Tenure Dossier

Point Park University

Jeffrey J. Seaman

Assistant Professor of Information Technology

Date: 11/1/19

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1 Scope Section

This is an incomplete version of my tenure dossier for the review process. This is only my second year as a full-time faculty member. This document will describe my background, teaching philosophy, educational leadership, teaching effectiveness, professional development, examples of course materials and student feedback.

a. Background materials

i. Background Materials

I've enclosed a letter requesting a performance review in consideration for feedback based on my second year here at the University.

Dear Tenure Promotion Committee,

As per the CBA requirements, I would like to request a performance review in consideration for tenure. Please review my digital dossier at
https://jseaman.it.pointpark.edu/jeffreyjseaman_dossier/

Sincerely,

Jeff Seaman, MIS
Assistant Professor, Information Technology
Point Park University

ii. Current Curriculum Vitae (CV)

I've enclosed a letter requesting a performance review in consideration for feedback based on my second year here at the University.

Education

- M.S., Information Systems, Robert Morris University, Pittsburgh, PA, May 2015
- B.S., Information Technology, University of Phoenix, Pittsburgh, PA, December 2007

- I have developed the curriculum and course for CMPS – 460 for Mobile Application Development. This course prepares students on how to develop mobile applications using progressive programing language, along with native langues for both IOS Apple and Android for Google. This course was introduced in the spring semester of 2019. For more information refer to the link on the website:
https://it.pointpark.edu/courses/cmps-460

- I have developed the curriculum and course for CMPS – 364 for NoSQL Databases. This course explores modern datatabases that do not strictly follow the traditional database dsign route. This is a new course that is currently being taught in the fall of 2019 semester. For more information on the course, please refer to the link on the website: https://it.pointpark.edu/courses/cmps-364

- I have re-developed the curriculum and course for CMPS – 160 Databases. The new course emphasizes the effective use of database management systems, and the use of all of the significant tools that you will use in the industry. This course was developed for both a 8 week online course, and 15 week on ground course. Please refer to the link on the website: https://it.pointpark.edu/courses/cmps-160

- I have proposed a change to two existing MBA (Master of Business Administration) courses, that are considered concentrations in Computer Science. I will be designing the curriculum and course for the two new courses. These two courses will be offered in the masters degree in Information Systems.

  1. Information Security – This course will reflect on Cyber Security related material.
  2. Information Project Management – This course will relate between business and IT related items in the project management space.

- As an Assistant Professor of Information Technology at Point Park University I currently teach or have taught the following courses:
  - Undegraduate:
    - Databases
    - Introduction to Programming
    - Web Design and Development
    - Advanced Programming
    - Data Structures
    - Mobile Application Development
    - NoSQL Databases
    - Problem Solving with Information Technology
  - Graduate:
    - Information Security – Future

        o   Information Project Management – Future.

Technical Skills

- 18+ years of experience of software development experience.
- 18+ years of experience of server administration
- 18+ years of experience of Database Administration
- Strong understanding of web development stack, including the following;
    - Operating Systems: Windows, MacOS, Linux, FreeBSD
    - Protocols: TCP/IP, HTTPS, SSL, FTP, SSH
    - Web Standards: HTML, XML, CSS, JSON
    - Web Servers: IIS, Apache, Tomcat, Nginx
    - Database: SQL Server, Oracle, MySQL, MongoDB, Hadoop
    - Programming and scripting languages: ASP.Net, Java, Python, JavaScript, SQL, C, Objective C, Swift, Cobol, HTML, CSS, PHP, Perl, Groovy, Visual Basic, PL/SQL, ColdFusion
    - Database Stored Procedure Development
- Other Related Software:
    - Git, GitHub, BitBucket, GitLab and Team Foundation Services
    - Amazon Web Services
    - Microsoft Azure
    - Firebase NoSQL
    - Virtual Box
    - VMWare
    - Studio 3T

Employment History:

- July 2014 – Present: Assistant Professor of Information Technology at Point Park University. I teach technical courses and I'm responsible for development of courses, both undergraduate and graduate level courses.

- March 2019 – Present: Application Security Engagement Manager Lead at PwC (PriceWaterHouseCoopers) I currently work in the SSLC (Software Secure Life Cycle) I currently work in the group that manages 7 different security software applications that is used to help protect software developers software source code. In addition to globally managing a team of 25 development operations engineers and software engineers that are located in the United States, Argentina, Ireland, United Kingdom, India and Austrailia.

- June 2016 – December 2018: Adjunct Professor at West Liberty University. I taught graduate level courses around computer information systems at the University online.

- July 2015 – December 2015: Adjunct Professor at Community College of Allegheny County. I taught undergraduate level courses around computer science.

- Jan 2016 – Jan 2019: Application Systems Manager at BNY Mellon. I was responsible for managing a team of software developers located in Pittsburgh, PA, New York, NY, and in India. I managed a software application service that organizations in the group utilized throughout the company.

- Nov 2010 – Dec 2015: Software Engineer Lead at PNC Bank. Servied as the technical lead on all projects includingthe team lead for the Senior Softare Engineers in the Enterprise Fraud Group. We developed software that was utilized to detect security and fraud breaches in the organization. I worked on a project with the Federal Bureau of Investigation (FBI) to help capture hackers who were stealing financial gain from the Bank.

- Aug 2009 – Nov 2010: Senior Software Engineer at Thermo Fisher Scientific. I was responsible for developing small and large robust applications that was utilized by different groups in the organization. These applications enhanced standard methods that were being utilized to perform the daily job duties.

- May 2008 – Aug 2009: Director of IT at Cellumen. I overseen all of the software development, Networking, Server Administration, Database Administration and overall IT job responsibilities of the computers, printers and network. Along with managing the vendors and developers and staff that reported to me. I had specialized in specialized software that communicated to machines that would scan scientific data from the testing that the Scientists would perform. This helped enhance and show where the drug that was being developed could be affective.

- July 2005 – May 2008: Database Administrator at Impact. Responsible for overseeing Database Administration of SQL Server 2000 and 2005. In addition to managing users, providing support and recommendations on the environment.

- April 2001 – July 2005: Software Developer at Comcast: Lead Developer responsible for developing automated procedures to enahance the performance of applications in the environment. Annually Comcast would raise prices on different packages and sub packages.

  Typically the changing of service codes and prices would take 3-4 months. Employees would work overtime during the week, and it was volunteer overtime on Saturday's for 6 8 hours per day. I helped designed an application script with my manager that would screen scrape the billing information, store the data in memory, and take the new list and prices, and apply the changes on the main frame system. We were able to take a process that would take over 2,500 hours of overtime, and minimize this down to under 2 hours in a single day, and the system didn't require any additional money. We were told that we saved the company 60,000 in overtime pay.

- Sept 1996 – April 2001: Founder and Owner at EZ Solutionz: I developed software applications for clients in the Pittsburgh, PA area and surrounding areas. In addition I offered computer and networking support from residential to commercial companies. I offered the building of computer systems and web hosting services.

Volunteer Experience:

- Jan 2017 – Present: Volunteer for Pittsburgh Schools 1-2 weeks annually to help perform maintenance for non-profit organzations.
- Jan 2016 – Jan 2017: Basketball Head Coach at Ringgold Area School District
- Jan 2011 – Apr 2016: Public Information Director at Ringgold Area Youth Soccer Association. I was responsible for managing all of the communications out to the public and internal. In addition to managing and developing the website and external applications for our customers.
- Aug 2009 – Aug 2016: Head Coach of Soccer at Ringgold Area School District
- Jun 1993 – Jun 2005: Volunteer Fireman at Ronco Volunteer Fire Department & Allison Volunteer Fire Department.

Awards:

- Employee of the month at Comast for Software Developer. "Based on the software applications and projects that I developed and implemented over a 30 day period"
- Received several promotions when I worked at PNC Bank. In the first 9 months of employment I was promoted from a Senior Software Engineer, to a Lead Software Engineer in charge of 7 Software Developers. I was informed from the CIO at the time that it was unique because nobody gets promoted that quickly

Professional memberships (Include Offices Held):

- Served as the Director of Information Technology for Ringgold Area Youth Soccer Organization from 2011 – 2016 (Volunteer position)
- Served as the organizer of the ASP.NET User Group in Pittsburgh, PA from 2010-2012 (Volunteer position)
- Served as the organizer of the Adobe User group of Pittsburgh, PA from 2008-2012 (Volunteer position)
- Served as amember of the Java and Good User Group of Pittsburgh, PA from 2010-2017
- Served as a liason between Community College of Allegheny County for Northgate High School. (I scheduled, and taught classes at Northgate in the Computer Science realm)

Professional growth activities

- I have attended 5 different workshops in 2016 and 2017 on how to become a better educator by improving teaching and listening skills.

- I attended a conference in Ann Arbor, Michigan in March 2019 on the new technology that is being offered in the education space, and how it can play a key role on new students entering college (2 day training)

b. Self-Evaluation

i. Statement of educational philosophy as it applies to her/his appointment at the University and how it has (or has not) evolved during the performance period under view; and

As a teacher, I think having the understanding of how to interact and obtain interest from your students is an important quality. This is a challenge and always changing as our students are introduced to newer technologies that can easily distract them from having that commitment that you are seeking from them in the classroom.

According to a study published in the Journal of Media Education. The survey looked at self-reported information from 675 undergraduate and graduate students in 26 states between the age of 18 and 22 years of age.

Forty-one percent of respondents said that they spent up to 10% of their classroom time using digital devices for non-educational purposes, and another 20% reported spending between 11% and 20% of class time on their devices. Only 3% said they do not use a device during class for non-class-related activities on a typical day.

About 90% of respondents said texting is their main distraction in classes. Other distractions included:

- About 75% of respondents said they sent email or checked the time;
- 70% used social media during class time;
- 40% surfed the Internet; and
- 10% played games.

*"Young people turn to digital media as an immediate way to relieve boredom and, sadly, the classroom is one of the environments in which they most commonly experience boredom," says Scott Campbell, an associate professor of communication studies at the **University of Michigan**.*

It is important to get the students interested in what is being taught at all times.There is keywords or phrases that can be used in order to gain interest in what you're speaking about compared to other distractions that can easily happen with technology and chatting with neighbors. I typically enjoy listening to

students interests and thoughts about technology and where they are, and relate what they know to the technology topic. The key is to make it interesting.

ii.   Explanation of reasons for which tenure is warrented

Currently I'm in my second year as an assistant professor of Information Technology and haven't served the adequate time that is required to be in a position to have the opportunity to be warrented a tenure role in the University.

I am deeply passionate about the university life an the personal development it affords. My first exposure to pedagogy and teaching occurred in my graduate studies, when I would help the professor in the classroom with our lessons. Seeing the explicit coordination efforts and structuring of the course ignited my interest in curriculum development and teaching at the highest level.

I have spent the past 19 years working in the industry learning the importance of having a solid educational background, and how it can have a positive impact on how you learn, follow and lead in the industry. Over the 19 years, I've had a lot of success, but hard work has gone into those good moments through out my career.

My background in the industry is mainly in software development, which includes programming principles, logic, algorithms, database management, analytics and a form of cyber security, which is relevant to instructing how to secure and prevent systems from being in a vulnerable state.

- o   Cosistent positive feedback from students enjoy my courses.
- o   I have taught over 15 different types of courses
- o   I have an extensive background in software development, database administration and cyber security.
- o   Playing an affective role here for creating new courses in software development and database areas.
- o   Helped change and design two changes to the existing courses that were offered in the Master's of Business Administration program that is dealing with a concentration in Information Technology.
- o   Volunteered for open house and other events at the University

c. Teaching

My courses are unlike classes that I had taken when I was in college. I develop the courses to be catered to students who get a taste of the industry. I treat the students as software developers, database administrators and other Information Technology positions. I want to give my students as realistic possibilities as working in the industry as possible.

I aim to create an equitable and inclusive classroom. I make my course content accessible by providing a variety of examples from different domains, and I try not to make assumptions about the background of my learners. I split my classes between lecture and lab. I provide the students with an understanding of examples that apply to the lesson that they're going to be learning for the current module.

I believe everyone can contribute, and we can all learn something from each other. Students help make me a better instructor based on feedback and the way the contribute in the classroom. I value collaboration and I am grateful for the contributions of my students and my critics. I openly seek for feedback, and acknowledge the impact of my mentors on my success. I stribe to be transparent in and directly with colleagues and students.

I believe excellence in teaching is constantly evolving, adapting, and improving. Just as I want my students to develop their critical thinking skills, I think we as educators must question whether our interventions are effective. I am data-driven and use evidence based design science techniques to dvelop and evaluate education initiatives. I recognize the limitations of measurement and value constructivist views of edvidence. I believe it is imperative to be authentic self as an educator, and to embrace my way of teaching makes me unique.

i.   Course Syllabi

My teaching philosophy is a manifestation of my core values: authenticity, equity, contribution, collaboration, transparency, improvement and evidence.

CMPS 114 Problem Solving with Information Technology
http://jseaman.it.pointpark.edu/jeffreyjseaman-dossier/CMPS114_DG.pdf

CMPS 160 Databases
http://jseaman.it.pointpark.edu/jeffreyjseaman-dossier/CMPS160_EA.pdf

CMPS 162 Introduction to Programming
http://jseaman.it.pointpark.edu/jeffreyjseaman-dossier/CMPS162.pdf

CMPS 260 Data Structures
http://jseaman.it.pointpark.edu/jeffreyjseaman-dossier/CMPS260_OAON.pdf

CMPS 262 Advanced Programming
http://jseaman.it.pointpark.edu/jeffreyjseaman-dossier/CMPS262_EA.pdf

CMPS 361 Web Programming
http://jseaman.it.pointpark.edu/jeffreyjseaman-dossier/CMPS361.pdf

CMPS 364 NoSQL Databases
http://jseaman.it.pointpark.edu/jeffreyjseaman-dossier/CMPS364_EA.pdf

CMPS 460 Mobile Application Development
http://jseaman.it.pointpark.edu/jeffreyjseaman-dossier/CMPS460.pdf

ii. Copies of examinations in such courses and samples of students work;

Most of my courses have a final project that may be either an individual or team effort. It requires weeks of working on the tasks at hand, and presenting your final output to the class towards the end of the semester.

CMPS 160 Databases:

Each team must provide a bi-weekly standup, showing and discussing what they have accomplished and is working on. This shows the students that they must keep up with the projects.

Application Database - Final Project Requirements Total Points: 1750

Please review the Database Design

Task Name	Description	Requirements	Points	Total Points
Bi-Weekly Task List	Create a task list, and keep it updated on a 2 week sprint. Will be required to review with the class bi weekly. Starting on 10/14/19.	Required to present a stand up meeting on 10/14/19. Details to follow on 10/7/19. Must be available at the start of the class, no exceptions.	20 Points Weekly	100
Bi-Weekly Stand Up	Standup, Explain what you're working on, what you are going to work on for the sprint, and any roadblocks	Must be on target with the requirements in the task list.	20 Points Weekly	100
Design Database	This will be your scripts that you use to create your database. Must be stored in a Repository. Will explain how to do that in Module 6.	Minimum of 12 tables	100 Points	100
Create EER Diagram	This will be a copy of your design stored in the same repository.	Minimum of 12 tables	200 Points	200
Create Database	The exectution of your schema scripts.		150 Points	150
Create Functions	The creation of functions for your application. Stored in the repository.	Minimum of 5 Functions	100 Points	100
Create Views	The creation of Views for your application. Stored in repository	Minimum of 7 Views	100 Points	100
Create Tables	The creation of Tables for your application. Stored in repository	Minimum of 12 tables	100 Points	100
Create Triggers	The creation of Triggers for your application. Stored in repository	Minimum of 5 Triggers	100 Points	100
Create Stored Procedures	The creation of Stored Procedures for your application. Stored in repository	Minimum of 15 Stored Procedures	300 Points	300
Final Presentation	This is a power point or something equivilent to it.	Must include a minimum of 8 slides	350 Points	350
Peer Review	This is something each person must perform on each member of the group.	Must complete on each person, provide it to your professor privately. Else lose a maximum of -50 points on this task	50 Points	50
			Total Points	**1750**

Design the database:

This will be a way to brainstorm ideas. The brainstorming of ideas can be on a piece of paper, word, excel etc;

Provide a sketch of what tables you want to develop, the data types that you are going to use, maximum length, how will each of the tables communicate to each other? What will be the common denominator for each table? How many tables will be able to communicate with each other?

Table Name	Field	Data Type	Description		Stored Procedure	Parameters	Data Type	Description
actor	actor_id	SMALLINT	Auto Incrementer		getMovieActorNames	firstLastName	Varchar(100)	Takes the first and last name, and parses the first and last to query the database.
	first_name	VARCHAR(50)	First Name of Actor					Allow no parameter to be passed to pull all names up. Using a conditional statement
	last_name	VARCHAR(50)	Last Name of Actor					
	showname	VARCHAR(50)	Alias Name. Stage Name		**Function**	**Parameters**	**Data Type**	**Description**
	created_timestamp	timestamp	Time Stamp when Created		getMovieLevel	boxOfficeRevenu	decimal(10,2)	Have the function pass in the amount for the box office revenue. If amount > 100000 something is returned.
	updated_timestamp	timestamp	Time Stamp when Updated					
	created_date	date	Date when Created		**View**	**Parameters**	**Data Type**	**Description**
	updated_date	date	Date when Updated		getFilms	Title	Varchar(255)	Gets the name of the film
					Trigger	**Parameters**	**Type**	**Description**
					getBoxOfficePricesBefore	None	BEFORE INSERT	Adds data to the transactional log before the data was utilize for the new day.

Create an EER Diagram

Enhanced Entity Relationship Diagram

(This will introduce all of your relationships, tables, data types, is the relations 1-1 or 1 to many relationships)
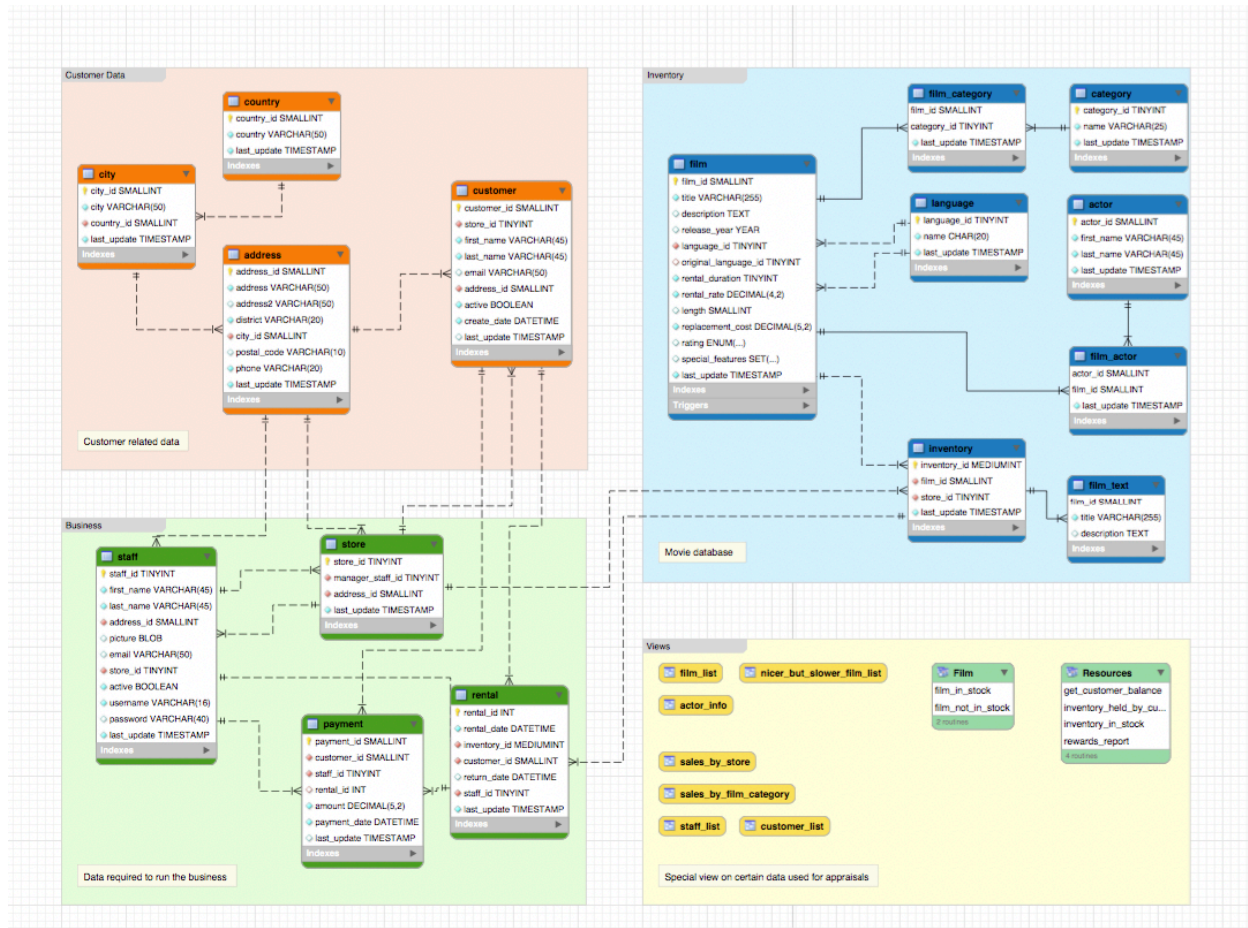
Greater Detail:

Film: has a relationship to each of these areas (film category, category, language, film actor, inventory)
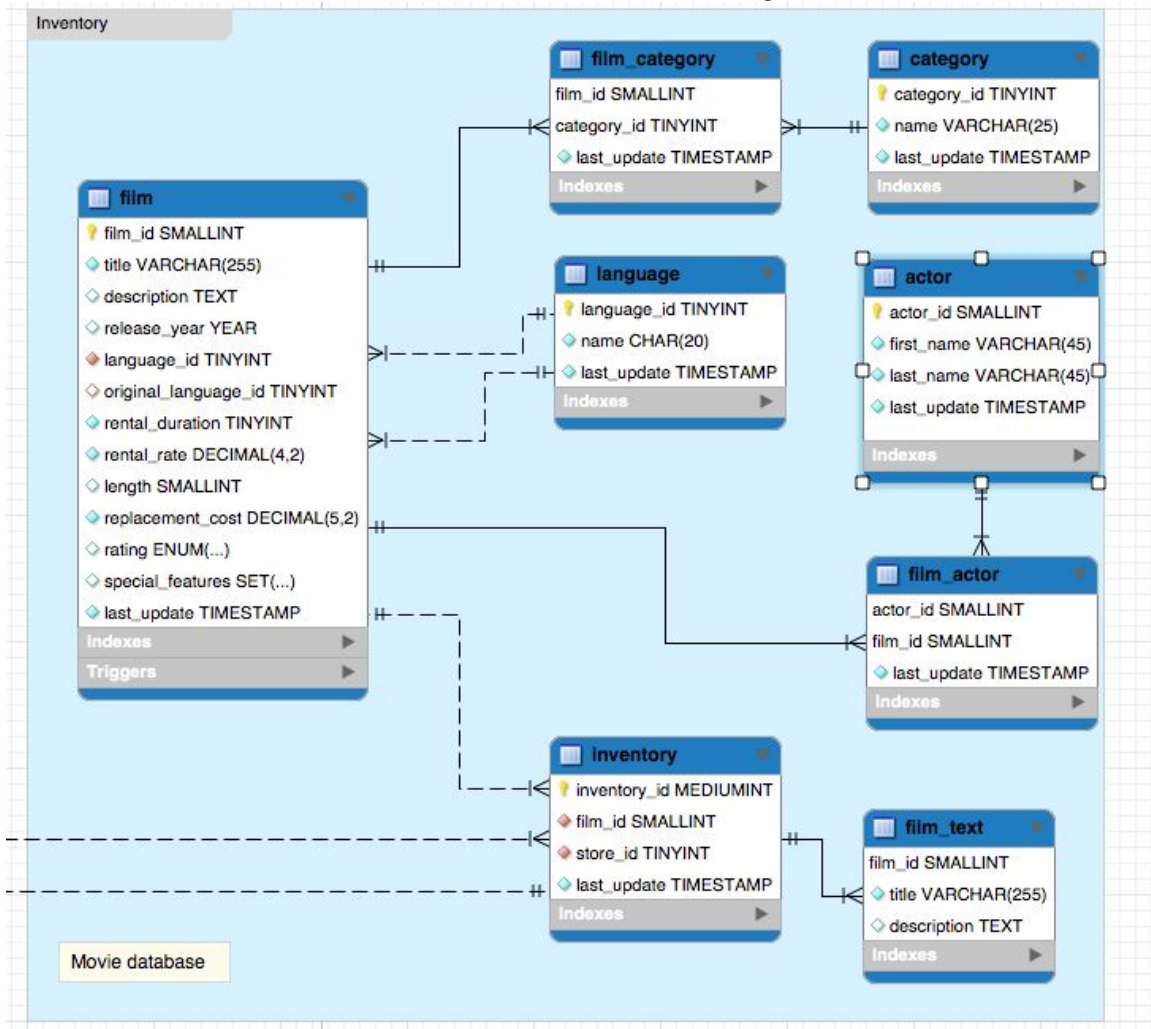
Create Database

Creation of the database based on the database design. Your team will use the SQL code that was generated to create the environment. You will save this source code. It will be used to create the database schema environment.

Create Tables

Creation of the database tables that reside with the creation of the schema environment.

Create Functions

Create functions that will be used in your application. All apps require a scalar function.

Create Views

A View is a subset of your data resultset. If you have data that you only want to query on the data range of 1/1/19 - 6/30/19 that is a view. It's a smaller set of data and much quicker return state.

Function	Parameters	Data Type	Description
getMovieLevel	boxOfficeRevenu	decimal(10,2)	Have the function pass in the amount for the box office revenue. If amount > 100000 something is returned.

View	Parameters	Data Type	Description
getFilms	Title	Varchar(255)	Gets the name of the film

Create Triggers

A Trigger is like a stored procedure that automatically runs when an event occurs in the database server. DML triggers run when a user tries to modify data through a data manipulation language (DML) event. DML events are INSERT, UPDATE, or DELETE statements on a table or view.

Stored Procedures

How is the web application going to communicate with the tables? Direct SQL ? (The answer is no, because that's a non-secure method) We will discuss that in Module 11 or sooner.

1. This application wants to perform a search. How does it do it? (Communicates with our API (Connected to the database) calls a stored procedure that does what?) Passes a parameter, that is a string value.

Think about why you need a stored procedure, brainstorm.

Result set:

The stored procedure queries the database table(s) to produce this result set.

Task List:

This is an example of the task list that should be created. This task list will be based on a bi-weekly review. You will present this list to the class every two weeks. This is part of your final project. (Details to follow)

ID	Task Name	Description	Hours	Duration	Due Date	Status	Percentage Completed	Assignee
1	Create a new Gitlab Account		2	1 day	10/3/19	In Progress	50%	Jason
2	Assign team members to GitLab		2	1 day	10/3/19	Completed	100%	Bob
3	Create a Slack Channel		2	1 day	10/5/19			Ralph
4	Assign team members to Slack		2	1 day	10/5/19			Charlie
5	Create a team name		2	1 day	10/7/19	In Progress	75%	
6	Define Application	What is the app going to be. What do you want to develop? Ticket App, Movie etc;	10	1 week	10/9/19	In Progress	25%	ALL
7	Design Layout	Splash Screen that everyone sees when app opens						
8	Screen 1 - Design searchbox	The textbox will identify a way for the user to search for any movie	2	1 day	10/11/19	Completed	100%	
9	Screen 1 - Design a button	Search for the movie	2	1 day	10/12/19	Completed	100%	
10	Screen 1 - Design a background	What is my screen going to look like. Images, and or background color, special design						

CMPS 460 Mobile Development:

An example of the final project that is due at the end of the semester for the Mobiel Application Development group.

Final Project

Course: CMPS 460– Mobile Development

Description:

Your application will be based on what we have learned in class. It can be any of the projects below and or something that you prefer is acceptable.

Requirements:

1. Develop a minimum of 2 screens
2. These types are required for objects, and anything else is optional. (Minimum of 5 different things we learned) < -- Objects
3. Android is different Activities, Cordova is different HTML pages, and IOS is different view controllers.
4. Use clean source code
5. Use a Legend in your assemblies
6. Comments for your methods and or other items.
7. Must be a GUI Interface

Required Projects: (Select a Project)

1. Stub Hub type of sports tickets
2. Uber type of application that allows users to book rides.
3. Restaurant Billing Management System
4. Bus Ticket Booking Management System
5. Payment Service (Like an Apple Pay or Android Pay)
6. Hotel Application System
7. Airfare Company (Like a Southwest)
8. Something of your choice

Additional Requirements

1. Provide a 5-7 Power Point Slide to present your project to the class.
2. Submit your code to GitHub

Submit Assignment

1. Submit your assignment to Final Project on Schoology
2. Submit your power point presentation to Schoology

Grading on the following;

1. Does your application compile with no errors?
2. Clean source code
3. Commenting on your program
4. Followed the Agile or Waterfall lifecycle
5. Does your application work efficiently?
6. Did you use any of the objects we learned?
7. Did you use any of the data types we learned?
8. Did you use more than 5 things we learned?
9. How was the presentation to the class?

CMPS 364 NoSQL Databases:

An example of the final project that is due at the end of the semester for the Mobiel Application Development group.

NoSQL Final Project

High Level Requirements
- NoSQL Database Environment
- List of a minimum of 3 different tables
- Provide a minimum of 3 different pages

Page Requirements
- **Resume Page**
    1. Photo of yourself on the page
    2. List your current job company, title, time frame that you have been there, and job duties that you handle.
    3. (If you do not have a job, then list a future job in Information Technology that you see yourself working for, the title, and job tasks)
    4. List your College Name, Start and Graduating date
    5. Did I mention (store the data in your NoSQL environment, and pull the data from your schema to place on the page)

- **Web Service Page:**
  This page you will use the best practices that you have learned with the NY Times and Weather on how to pull data together.

    1. Go to: https://rapidapi.com/
    2. Choose a web service of your choice
    3. Provide a page like the Weather API on Module 8
    4. Provide a text field, and a button to allow up to 3 different types of searches.
        - Example: https://rapidapi.com/api-sports/api/api-nba
        - Search on players last name
        - Search on stats on a player
        - Search on a standing of a league
        - Example of a page in our Module, but you will display the data on the page.

- **Input Form Page**
    1. Create a form with the following field requirements
        - First Name
        - Last Name
        - Address
        - City
        - State
        - ZipCode
        - Favorite place to eat at in Pittsburgh
        - What celebrities have you met or almost met
        - Favorite Vacation Spot
        - Bucket List Item
    2. Create a schema in NoSQL that provides these fields
    3. Provide error handling in your requests, display an error if it fails
    4. Provide a display message if the record was a successful save
    5. Provide two buttons (One for saving the data, the other for getting the data)

- **Other Requirements**
  1. **What are we looking for overall?**

     I am looking for you to develop a web page with Node.js, that uses our No SQL back end for obtaining data on 2 of 3 pages.

     The other page will be you consuming a RestFul API Service of your choice from Rapid API. This will follow the same process that we completed in Module 8/9.

     The other page is a resume of which you will use get commands on the loading of the page. It will get your data from your NoSQL environment and access your data results to render on the page.

  2. **Testing Framework:**
     - Write your NoSQL Insert statements that will be used for inserting data into the environment (show that it works on paper)
     - Write your NoSQL select statements that will be used for querying the data from the environment (show that it works on paper)
     - Provide test calls, showing that it can receive bad data results, and that your error handling can obtain this information.

  3. **Presentation Layer?**
     - Use Powerpoint or Google Slides
     - Show how your system works, or should work .

  4. **Source Code Repository**
     - Push your source code into Github

  5. **What is required in schoology:**
     - Push your test scripts for NoSQL and your Node.JS code all into GitHub
     - Provide your presentation link in schoology for the final project

  6. **When is this due?**

     Thursday, December 5 (Presentation)
     Friday, December 13 (All of your code and working project should be submitted by 11:59 PM)

7. Total Points of the project:

1,800 Points

Task	Description	Points
Setup Schema in NoSQL	Setup Schema in NoSQL	100
Develop Resume Page	Develop a resume page based on the specifics	250
Develop Web Service	Develop the web service to consume messages.	550
Develop Input Page	Develop an Input page based on the requirements	550
Create Presentation	Create a 3-5 page slide that explains your process.	100
Push Code to GitHub	Push your code to Git	50
Test Framework	Provide Test scripts	200
Total Points		1800

CMPS 262 Advanced Programming:

An example of the final project that is due at the end of the semester for the Mobiel Application Development group.

Final Project

Course: CMPS 262– Advanced Programming

Description:

Your application will be based on one of the potential applications that are listed below. Each group must do a different project.

Requirements:

1. Develop a minimum of 5 screens.
2. These types are required for objects, and anything else is optional. (Minimum of 5 different things we learned) < -- Objects
3. Provide Agile Presentation (Stand up, Retrospective and Sprint Planning Meeting)
4. Use clean source code
5. Use a Legend in your assemblies
6. Comments for your methods and or other items.
7. Must be a GUI Interface

Required Projects: (Select a Project)

1. Stub Hub type of sports tickets
2. Uber type of application that allows users to book rides.
3. Restaurant Billing Management System
4. Bus Ticket Booking Management System
5. Payment Service (Like an Apple Pay or Android Pay)
6. Hotel Application System
7. Airfare Company (Like a Southwest)
8. Something of your choice

Agile;

If you choose Agile the following is required for the project.

1. **Sprint Planning Meeting**: Purpose is to leverage any requirements/ analysis including the project charter that has been completed prior to this meeting. Agree upon terms for the project, Create stories for the project, define main users of the application, define roles of each team member (developer, qa, scrum master, and product owner)
2. **1 Stand Up Meeting** that will consist of one of the weeks of what you did the previous day, what you are going work on, and what road blocks that you may have. Example one of the roadblocks can be I have other classes to attend and my availability is low.
3. **Retrospective Meeting**: Explain the process, and any possible improvements
4. **Sprint Planning Meeting**: Validate and Task out user stories that have been added to the sprint backlog, generate questions pertaining to the backlog, SCRUM Master will facilitate meeting.
5. **Sprint Review**: Review with the client on what you have completed in your project. The Instructor of the class will be the client for each of the projects.
6. You are required to log all tasks for the project.
7. Create an estimated time allowed for each user in the group.
8. You are required to move your task to Started, In Process, and or Finished.
9. Your source code must be in your repository and commented through out your source code.
10. Provide a 5-7 Power Point Slide to present your project to the class.

Waterfall;

If you choose Waterfall the following is required for the project.

1. **Planning Meeting**: This is to discuss the priorities of the project, ownership of the tasks involved, and what roles will be involved.
2. **Presentation** Power Point and or Google Slides of your presentation.
3. Present the application via to the class as how it works, Use Power Point for 5-7 slides on a high overview of your application.
4. You are required to log all tasks for the project.
5. Your source code must be in your repository and commented throughout your source code. (means I want to see person a checked code in, person b checked in code, etc;)

Grading on the following;

1. Does your application compile with no errors
2. Clean source code
3. Commenting on your program
4. Followed the Agile or Waterfall lifecycle
5. Does your application work efficiently
6. Did you use any of the objects we learned
7. Did you use any of the data types we learned
8. Did you use more than 7 things we learned
9. How was the presentation to the class

CMPS 162 Introduction to Programming:

An example of the final project that is due at the end of the semester for the Mobiel Application Development group.

Final Project Requirements:
Course: CMPS 162 – Introduction to Programming

1. Develop a Website Application
2. Create a Team Name, and post on Slack
3. Develop an Application, that does something that you want it to do. Come up with something creative, but nothing insanely difficult.
   A) Movie Theater
   B) Pizza Company
   C) Uber (your uber type)
   D) Sports Franchise
   E) Something else that you prefer

4. Use up to 7 different techniques that we've learned throughout the semester.
5. Must have 5 different screens (5 Activities)

Presentation:
1. You must present your application via power point and or something else in front of the class on 4/15/19

Additional Requirements:

1. Create a new project in your existing git lab account. One member of the group must create, and add the others, including myself as a master to that single project.
2. Ensure that your source code has a trail with multiple people pushing code in and out of your repo.
3. Have one person in the group submit the final project, and include everyone's name in the project.

Peer Review:

1. Each person will submit a private review on their team member, that will be sent to the professor via Schoology

iii. **Copies of all student evaluations for prior six (6) years of full-time service or for all years of full-time service since last promotion, whichever is greater;**

Spring 2019 Online – CMPS 160 Database (Rating 4.38 of 5)

2	Amazing professor. He reached out to me whenever I was falling behind on class work, believed in me when no one else would. If you take this course, please make sure you do it through him!

Spring 2019 Ground – CMPS 162 Introduction to Programming (Rating: 4.58 of 5)

Faculty:	Jeffrey Seaman
Question:	Please take a moment, if you would like to make additional comments or suggestions. The faculty take what you have to say seriously and appreciate your participation in this survey.
Response Rate:	33.33% (1 of 3)

1	I came in only having a little bit of Java Experience, but I was rusty. Jeff did such a great job teaching the material for JavaScript. I enjoyed all of the lessons, the textbook was very well written and understandable, and also the projects we did for the course really applied everything we learned. I would definitely take another course with Jeff! I really enjoy coding in my free time now, and he is very industry knowledgeable.

Spring 2019 Ground – CMPS 460 Mobile Application Development (Rating 4.55 of 5)

Faculty:	Jeffrey Seaman
Question:	Please take a moment, if you would like to make additional comments or suggestions. The faculty take what you have to say seriously and appreciate your participation in this survey.
Response Rate:	66.67% (2 of 3)

1	Really enjoyed learning about native languages. It was a nice change from always doing Javascript here at Point Park.
2	Highly recommended

Fall 2018 Ground – CMPS 114 Problem Solving with Information Technology (Rating: 4.5 of 5)

Faculty:	Jeffrey Seaman
Question:	Please take a moment, if you would like to make additional comments or suggestions. The faculty take what you have to say seriously and appreciate your participation in this survey.
Response Rate:	50.00% (4 of 8)

1	Mr. Seaman was very flexible and workable. The course load was heavy but relevant to the course material. I have and will continue recommend Professor Seaman to future CMPS students.
2	Jeff always returned my emails right away and was very considerate and flexible. The assignments were not chosen by him, and were a little frustrating. I did not feel that they helped me in the class. He was extremely helpful.
3	Great guy, I enjoyed taking this class
4	A lot of busy work- but great Prof.

Fall 2018 Ground – CMPS 162 Databases (Rating: 4.7 of 5)

Faculty:	Jeffrey Seaman
Question:	Please take a moment, if you would like to make additional comments or suggestions. The faculty take what you have to say seriously and appreciate your participation in this survey.
Response Rate:	33.33% (2 of 6)

1	Very understanding, accommodating, and helpful professor. He is very focused on student success and leaves a lot of room for questions and 1 on 1 assistance.

iv. Description of the changes made in pedagogy or course content as a result of the candidate's review of such student input;

I am always improving the content, and or way that the content is delivered to students. I take the feedback that I receive from students serious, and see what I can do better to help them learn more efficiently.

I feel that my style of teaching can always use adjustments to improve the way it's delivered and how it's delivered.

My classes may seem simple to me, but when I put myself in the shoes of a young person, that concept can be much different. I have altered my environment to be laid back to a degree where students don't fear my lesson plans, and understand that I'm there to help them learn.

I've found that providing videos to my students has helped them enhance their learning experience. I've learned that some take notes, but forget the step by step lesson that I've provided. I will provide a series of videos to help them understand and to remember. Here is an example of a 4 videos at 20 minutes each, me walking through how to do something that was in our lab in class.

https://youtu.be/A8zwg4nG57U

v. Letters or recommendation from peers, colleagues, administrators;

This section discusses any student evaluations that have been provided in verbal feedback on the semester survey. At this time I do not have any recommendations from peers, colleagues, and administrators.

I currently do not have any recommendations from peers, colleagues and or administrators at this time. This will be provided in the future.

vi. Records of classroom visitation by colleagues;

Currently no classroom visitations by colleagues. This will be delivered in the future semesters moving forward.

vii.   Summary of advising responsibilities;

I am currently advising undergraduate IT students. Any related questions in the space, I help them with.

viii.   Advising philosophy;

I am here to help students with anything that they may have questions and or concerns about. For example the semester of 2019 Fall, I have a student that I do advise, but isn't in any of my current courses this semester. I will sit down and help him learn a new technology that we do not offer at the University, help him work on something that he's working on outside of the University and or another class.

I am here to help students. Even if they aren't my student and they have questions and or concerns about another class, I will sit down, listen and help them out.

ix.   Number of students advised (by semester)

Currently accoding to PointWeb, I am advising 23 students.

x.   Availability to students via posted office hours and / or other means;

I offer up to 6 hours per week to students to visit my office for one on one help with issues that they are facing with assignments, project and or questions that they may have.

There is a couple of ways to schedule a meeting. Schedule it online at my website, on the 13th floor in the hallway or in the lobby of West Penn on the large display.

Attached a screenshot below of the website
I have students visit my website jseaman.it.pointpark.edu

I'M JEFF SEAMAN

Appointment Scheduling

Change selection ⌄

Suggest a date and time
Duration: 30 minutes
Location: West Penn Hall 1306 (Map)

November 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
17	18	19	20	**21**	22	23
24	**25**	**26**	27	**28**	29	30

Available starting times for **Thu, Nov 21, 2019**

AM	PM
No AM times	4:00 PM
	4:30 PM
	5:00 PM
	5:30 PM

NOLOGY

Slack is a technology instant messaging tool that we use in the Information Technology space with our students. They use this tool to get in touch with me anytime or day.

There is many occasions that I will work with them on Slack to help out an issue, video conference and or other means. I have included an example of me working with a student on the weekend to help her with her homework. That's outside of office hours.

xi.   Summary of advising effectiveness

Academic Advising: I discuss about courses that they will need to graduate here at Point Park, when they will be available, and an understanding of what the course entails, and what to expect. I help them get prepared for that next step.

Career Advising: I continue provide support and help on preparing for applying for any internships that are available, have provided students who were graduating meeting invites with local recruiters and managers and director's who are hiring for local organizations that I have a relationship with professionally.

I've also provided professional recommendations for current and past students for scholarships, internships and or job opportunities in the technology space.

d. Service

i. Summary of activities in University governance and service, (i.e, committee memberships, extra-curricular activities, department functions, admissions assistance/recruiting);

This secontion includes activities at the University, services, committee memberships, admissions.

- I am serving on the external relations committee in the School of Busines

- I have written recommendation letters for students for job opportunities and internships

- I am an academic advisor to Information Technology Services

- I regularly attend open houses for undergraduate students, including the Pioneer Experience.

- I have served as a host for an event that contributed financial gain to students studying abroad in Ireland.

- I have recently been interviewed by undergraduate students during the 2019 fall semester for a project that they're working on for University Life course.

- I am serving as a public speaker for the Accounting Club in November of 2019, to discuss about how technology and accounting can coinside together in the work place.

- I attend events at local High Schools that allows Point Park University to market the school of business opportunities to students in high school.

ii.   Description of other services

- I am currently building a mobile application for both Android and IOS operating systems, that will allow students to be able to sign in and show that they have attended class. The application is using GPS coordinates to evaluate if the student is physically in the classroom v/s in a different location.

- I am currently working on organizing professionals in the industry to come in to talk to our computer science students. I am in the process of aligning up past co-workers, and or individuals that have made a splash in the industry to come in and visit the students.

  o Darell Hicks Jr. : He is going to be our first guest speaker. He holds a undergraduate and master's degree in Computer Science from West Virgina University. He has served as an Adjunct Professor of Computer Science at West Virginia University for over a decade, and has worked in the space that involves "secret" government contract work.

     Topic of discussion is being developed to have him present, I will put together questions for the students to ask, but in addition for them to ask their own questions.

  o Potentially Don Charlton: He is a classmate and former basketball teammate of mine from High School, who has a great story to tell. He came from nothing to the CEO of his own startup company in Pittsburgh, PA.

     A software development product called "The Resumator" and later renamed to "Jazz" a multi-million dollar corporation. He has been in many articles through out the Post Gazette, and nationwide media attention. He will be a great guest

- I participated in an interview with Point Park News with a discussion around Artificial Intelligence with Garrett Behanna, 4 Point News.
  https://youtu.be/TRKDM_wh_rM

e. Scholarship

i. Summary of scholarship(i.e. papers/projects presented; forums/scholaryly meetings/conferences attended, speaking, performance projects, publications, research activities);

November 20, 2019: I will be a guest speaker for the account club at Point Park University to discuss about " How Information Technology resides in an account space, and how opportunities exist in account with an Information Technology background"

Location: West Penn
Floor: 8th Floor
Room: 803
Time: 45 minutes in length

ii. Description of active memberships in learned socties/professional organizations;

Currently I'm a member of several technical clubs in the Pittsburgh area.

i.   Google Group: This group is unique and has backing of Google, and provides opportunities to meet and do some cross training in technologies at Google.

ii.   Microsoft Group: This is a programming group, where we introduce new technologies or updates in the technologies. It allows the community to stay in tact.

iii.   SQL Group: Another group that meets weekly to discus changes and new changes in the technology space.

iii. Any other relevant activities;

Outside of Point Park University I am involved with professional company called, PriceWaterhouseCoopers(PwC)**.** I work in the SSLC (Secure Software Life Cycle) that is responsible for providing secure software solutions to the organization globally. I serve as the Application Security Enginagement Manager Lead, which entails that I am in responsible for business operations, services team, and platform (DevOps) Engineering.

Currently I have Development Engineers, Software Engineers, and other technical individuals that report directly to me globally from Argentina, Uruguay, Ireland, UK, and throughout the United States.

As a leader in the technology space, it allows me to continue teaching indviduals in my group. It's a fun opportunity to have the opportunity to fill.

Thanks for your time,

-Jeff Seaman, MIS
 Assistant Professor of Information Technology
 Rowland School of Business