Semester Technical Project Proposal

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1. Project Description

I plan on using this project to solve my problem of not having a portfolio site for potential employers to visit in order to learn more about me as a potential employee. This project aims to create a website for employers to visit and have a satisfying experience while learning more about my course work, personal work, and professional work. After visiting this site, the user should have a solid understanding of me as both a person and a worker.

2. Application Design

The design of this web application is meant to be extremely simple and user friendly. The main intention is to have one central webpage that users can navigate to and learn about me and my work. Due to this focus on simplicity, the site will consist of only one main page that contains all the data that needs to be presented to the user. This simplicity also adds to the scalability and maintainability of the application.

This application will be built using jsp, html, and css to handle the front end presentation to the user. The back end will be supported by servlets, using a local tomcat server to test the application. Finally, the data that needs to be pulled for presentation to the user will be stored in xml files.

3. Tools Used

Many different tools will be used in the development of this project. Visual Studio Code will be my IDE of choice when creating and editing jsp, html, and css files. Altova will be used when forming my xml files. To keep track of all these files and manage the

version control I will be using git. All files will be uploaded to the Github repository I made for this project. Finally, the final product of this project will be tested on a local tomcat server.

4. **Project Timeline**

April 12th: Gather all of past projects and work experience and compile into Github repositories.

April 19th: Create xml document containing data needed to show users this work experience.

April 26th: Create front end jsp, html, and css files to present this data to the user.

May 3rd: Finishing touches and submission.

5. **Risk Assessment and Mitigation**

There are three main risks that come with the development of this project: falling behind on deadlines, scope creep, and the possibility of accidentally publishing my personal information. To mitigate the first risk, I will make sure I keep up with the project timeline detailed in section 4. To ensure I don't fall into an issue with scope creep, I will prioritize making the application as simple as possible. This will also add to ease of use for the user. Finally, to ensure I don't accidentally publish any personal information, I will review all of my work before uploading it to ensure that everything contained within those files is fit for public consumption.