

Spring 2020 Project: Student to Career Visualization Tool

Capstone Weekly Status Report

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<https://github.com/dep7/CS475-SPR20-SeniorProject>

REPORT WEEK 1 (JAN 20- JAN 26)

A. Weekly Accomplishments

- a. Worked on the proposal during time allowed. Professor gave us some changes that were needed to for the proposal.
 - 1. Put Gantt chart on separate page with orientation landscape
 - 2. Make the activities and Gantt chart more detailed
 - Adding in the midterm project launch
 - 3. Separate the problem statement section into Introduction and Problem Statement
- b. During Class time we took advantage of the leftover time and began working on requirements.
 - 1. Jake made a word document for us to brainstorm some possible requirements for the system.
 - 2. Team collectively went into the document and worked on brainstorming high level requirements
 - 3. Team collectively went into document and broke down the high-level requirements

B. Problems/Issues

- a. No Current Issues

C. Next week's planned work

- a. Continue to refine the functional requirements
- b. Look into database and data to populate it
- c. Make a repository to store, update, and keep track of work

A. Time log

Jake: 4.5 hrs, Joshua: 4.5 hrs, Danielle: 6.0 hrs. Total: 15.0 hrs

REPORT WEEK 2 (JAN 25- JAN 31)

A. Weekly Accomplishments

- a. Worked on the first set/draft of functional requirements.
 - 1. Focuses mainly on the requirements for the database in order to get started creating the database and assembling the fake data that will populate the database.
- b. Made a Git Repository for all documentation, code, and project information.
 - 1. Link: <https://github.com/dep7/CS475-SPR20-SeniorProject>
 - 2. No current information has been uploaded yet.
- c. Started assembling the Functional Requirements Project Documentation

B. Problems/Issues

- a. No Current Issues

C. Next week's planned work

- a. Continue to refine the functional requirements
 - 1. Expanding on the requirements for the other parts of the project (like webpage, graphical features, etc.)
 - 2. Refine the requirements of the database requirements
- b. Get requirements approved by Dr. Dimitoglou (for the database, specifically)
 - 1. To get started on the database creation and the formulation of the fake data with the approved requirements.
- c. Look into database attributes and design
- d. Formulate of fake data

D. Time log

Jake: 5 hrs, Joshua: 5 hrs, Danielle: 5 hrs. Total: 15.0 hrs

REPORT WEEK 3 (FEB 1- FEB 7)

A. Weekly Accomplishments

- a. Drafted up the UI design for the Student Visualization Tool.
 1. Reviewed it as a group and discussed any possible changes that needed to be made to the design.
 2. Specified that on the search page, that if the user does not supply certain information then there will be a default or that there will be graphics that remain empty for the user.
 - a) SQL statements will be made to take care of the exceptions.
 - b) There will not be a search section for the name of the students.
- b. Updated the requirements based on the UI design that was drafted up
- c. Looked into the things needed to set up environment for starting development work.
- d. Uploaded UI design picture to the Git Repo.
Link: <https://github.com/dep7/CS475-SPR20-SeniorProject>
- e. Attributes for the fake data that we will make was thought out based on the search page that was designed. The attributes that will be currently needed are:

Name	Type	Description	Parameters/Notes
Name	Char or VarChar	Name of the student	Data that we as the developers will only be using
DOB	Date	Date of Birth of student	
isInGradSchool	Boolean	Did the student go to Graduate School post-graduation?	If true, enter name and major of Graduate School
gradSchoolName	Char or VarChar	Name of Graduate School	Only asked if isInGradSchool is true
graduateMajor	Char or VarChar	Major that the student pursued in Graduate School	STEM Choices will be set and be chosen through drop down*
Major	Char or VarChar	Major that the student graduated with	STEM Choices will be set and be chosen through drop down*
Minor	Char or VarChar	Minor that the student graduated with	STEM Choices will be set and be chosen through drop down*
graduationDate	Date	The date the student graduated	
isEmployed	Boolean	Did the student work post-graduation?	If true, enter name of employer, date of employment and salary
employmentDate	Date	The date the student was hired	Only asked if isEmployed is true

employerName	Char or VarChar	Name of the company the student works for	Only asked if isEmployed is true Choices will be set and be chosen through drop down*
salary	Double	How much the student is making at employer	Only asked if isEmployed is true

*If the choice is not found in the list then, other shall be selected.

B. Problems/Issues

- a. No Current Issues

C. Next week's planned work

- a. Continue to refine the functional requirements (continued from last week)
 1. Expanding on the requirements for the other parts of the project (like webpage, graphical features, etc.)
 2. Refine the requirements of the database requirements
 3. Get them into a formal document
- b. Uploaded requirements document to the Git Repo.
- c. Get database requirements approved by Dr. Dimitoglou (continued from last week)
- d. Make changes that were discussed to the Search Page UI
- e. Formulate of fake data based on the attributes that are listed above
- f. Create the shell of the database without adding the data in
- g. Once database requirements are approved, create the data with updated attributes and load into the database.
- h. Get environment set up for start of development (by Monday)
 1. Download Composer, PHP, and Laravel
 2. Download Wamp Server

D. Time log

Jake: 3 hrs, Joshua: 3 hrs, Danielle: 3.5 hrs. Total: 9.5 hrs

REPORT WEEK 4 (FEB 8 – FEB 14)

A. Weekly Accomplishments

- a. Finished and Uploaded to Git Repo the Display Page UI Mockup and refined the Search Page UI Mockup
- b. Project set up and running on a local server
- c. Started assembling fake data for the database
- d. Started assembling the Functional Requirements Project Documentation
 1. Introduction Section – except the Assumptions and Constraints section was completed.
 2. System Summary Section – the equipment being used section was completed.
 3. Began placing the function requirements into the document. (The document has not been placed on the Git repo yet)

B. Problems/Issues

- a. No Current Issues

C. Next week's planned work

- a. Get requirements approved by Dr. Dimitoglou (for the database, specifically)
- b. Environment Setup
- c. Fake Data assembled for use on Friday Feb. 21
- d. Find some visuals for the display page

B. Time log

Jake: 5 hrs, Joshua: 5 hrs, Danielle: 5 hrs. Total: 15.0 hrs

REPORT WEEK 5 (FEB 15 – FEB 21)

A. Weekly Accomplishments

- a. Refined the Mockups for the User Interface
- b. Started assembling fake data for the database
- c. Completed majority of the Functional Requirements Project Documentation
 1. All diagrams are done and in the document
 2. Only section that is not complete is the Use Case tables
 3. **The document has not been placed on the Git repo yet**
- d. Looking through Laravel tutorials
- e. Put a PowerPoint presentation together to begin entering data that needs to be presented for the Midterm (March 3-5)

B. Problems/Issues

- a. No Current Issues

C. Next week's planned work

- a. Get requirements approved by Dr. Dimitoglou (for the database, specifically)
 1. Waiting for the document to be complete to send.
- b. Finish the Fake Data and Create the database
- c. Begin the development of the Student Shift website
 1. Basics like the headings, logo, tabs, etc.
- d. Continue adding to the presentation.

C. Time log

Jake: 3 hrs, Joshua: 6 hrs, Danielle: 8 hrs. Total: 17.0 hrs

REPORT WEEK 6 (FEB 22 – FEB 28)

Jake submitted the report for this week in a separate document

REPORT WEEK 7 (FEB 29 – MAR 6)

D. Weekly Accomplishments

- a. Completed the Functional Requirements Project Documentation
 1. Updated the diagrams
 2. Only section that is not complete is the Use Case tables
 3. **The document has not been placed on the Git repo yet**
- b. Continued to assemble the PowerPoint presentation with the different diagrams and information for the Midterm Presentation – mostly complete besides screenshots and the url of the webpage
- c. Decided to discard the use of Laravel and only use WAMP Apache Server
- d. Successfully uploaded the created Database to WAMP Apache Server (took a lot more time than we expected)
- e. Discussed that we would do all the development on the WAMP Server and then will migrate the final product over to the Pluto Server
- f. Updated the requirements for the database
- g. Worked on development of the UI – need to add in visualizations

E. Problems/Issues

- a. No Current Issues

F. Next week's planned work

- a. Update the requirements that are in the Functional Requirements Document and then get requirements approved by Dr. Dimitoglou
- b. Get at least one visualization/graph working with the data that is in the database (proof of concept)
- c. Continue adding to the presentation.
- d. Continue to work on the development of the UI

D. Time log

Jake: 6 hrs, Joshua: 7 hrs, Danielle: 8 hrs. Total: 21.0 hrs

REPORT WEEK 8 (MAR 21 – MAR 27)

This week was the week right after spring break (MAR 7 - MAR 20) where we had to get ready for the midterm presentation. Work was done over spring break to ensure that work was completed in time for the midterm presentation. Note: Hours reflect some time that was spent over break.

- A. Weekly Accomplishments
 - a. Updated and Finished the PowerPoint for the Midterm Presentation
 - b. Each person recorded their part of the audio for the Midterm Presentation
 - c. Assembled the PowerPoint and Audio into a video file
- B. Problems/Issues
 - a. No Current Issues
- C. Next week's planned work
 - a. Continue to add data into the database to make the graphs a little more diverse and better.
 - b. Add in more graphs and visuals to the site—maybe update the search bar
 - c. Take any comments and criticism regarding our Midterm presentation and apply it.
- D. Time log
Jake: 23 hrs, Joshua: 25 hrs, Danielle: 22 hrs. Total: 70.0 hrs

REPORT WEEK 9 (MAR 28 – APR 3)

- A. Weekly Accomplishments
 - a. Looked at the comments and criticism from Midterm presentation
 - 1. Began answering the questions
 - b. Discuss the changes that need to be made and how we will implement and change them
- B. Problems/Issues
 - a. No Current Issues
- C. Next week's planned work
 - a. Begin to implement the said changes that were discussed
 - b. Talk about the changes that will need to be made.
- D. Time log
Jake: 5 hrs, Joshua: 5 hrs, Danielle: 5 hrs. Total: 15.0 hrs

REPORT WEEK 10 (APR 4 – APR 10)

A. Weekly Accomplishments

- a. Looked at the comments and criticism from Midterm presentation
 - 1. Began answering the questions
 - 2. Made some changes to the project
- b. Formulated list of company names and graduate schools
- c. Formulated more student information data
- d. Began drafting ideas for improving the layout of the UI
- e. Began looking into other graphs and visuals for the UI

B. Problems/Issues

- a. No Current Issues

C. Next week's planned work

- a. This upcoming will be much in the same as this week; however, we will try and get the answered questions to Professor Dimitoglou.
- b. Update and Add more documentation

D. Time log

Jake: 15 hrs, Joshua: 10 hrs, Danielle: 12 hrs. Total: 37.0 hrs

REPORT WEEK 11 (APR 11 – APR 17)

A. Weekly Accomplishments

- a. Made the physical changes to the project based on the comments and criticism from Midterm presentation
- b. Sent in the answered questions to Professor Dimitoglou.
- c. Began updating and adding more documentation
- d. Added more data to the database
- e. Updated and began changing the design of the UI

B. Problems/Issues

- a. No Current Issues

C. Next week's planned work

- a. Continue Updating the UI and documentation

D. Time log

Jake: 10 hrs, Joshua: 6 hrs, Danielle: 5 hrs. Total: 21.0 hrs

REPORT WEEK 12 (APR 18 – APR 24)

- A. Weekly Accomplishments
 - a. Adding more documentation
 - b. Fixed some bugs and issues in the UI
- B. Next week's planned work
 - a. Continue Updating the UI and documentation
 - b. Add in the Administration Page on the UI
- C. Time log

Jake: 3 hrs, Joshua: 5 hrs, Danielle: 3 hrs. Total: 11.0 hrs

REPORT WEEK 13 (APR 25 – MAY 1)

- A. Weekly Accomplishments
 - a. More people information has been added into the database
 - 1. 100 entries currently in database
 - b. Had a Zoom Call on 4/28 at 2:00pm to discuss what was going on, any issues, what is in progress, and what is still needing to be done.
 - c. Development of the Administration Page has started for updating the database
 - d. Decided to keep the "minors" column in the database
 - e. Documentation is being updated to reflect the changes in the project
 - f. Had Zoom Call 5/2 at 3:00pm to discuss week plan and what everyone is doing to wrap up the project
 - g. Working on the sign-in page for administrators to get access to the updating of the database and site.
- B. Next week's planned work
 - a. Waiting on the completion of the data to update the features on the UI
 - b. Adding in more entries into the database
 - c. A user manual or guide will be drafted and reviewed
 - d. Scheduled another Zoom Call for the following week.
 - e. Send out final database for the site
 - f. Work on administrator page and adding more features to the UI
- C. Time log

Jake: 6 hrs, Joshua: 5 hrs, Danielle: 7 hrs. Total: 18.0 hrs