

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