**Software Project Management Plan**

**College Alternative Resource Website**

**Individual Project: COSC 412-103**

**Deja Hamilton**

**10.16.2020**

**Table of Contents**

1. Introduction
   1. Project Overview
   2. Project Deliverables
   3. Evolution of the Software Project Management Plan
   4. Definitions and Acronyms
2. Project Organization
   1. Process Model
   2. Organizational Structure
3. Managerial Process
4. Management objectives and priorities
5. Assumptions, dependencies and constraint
6. Technical Process
7. Methods, Tools, and Techniques
8. Software Documentation
9. Work Elements, Schedule, and Budget
10. Budget
11. Schedule
12. How Change Will Be Managed
13. Work Breakdown Structure

Software Project Management Plan

**1 – Introduction**

In the individual project, a student must design and implement a web-based product that is researched and proven to have a viable technology need. This program must not use the help of pre-building assistance software such as Wix.com, Shopify, and Wordpress.com to construct their project. This project must not provide information that is static or in other words “Hard-coded”.

1. **Project Overview**

This project will fulfill a business need in which it will provide information on the alternative options to college. A user will be able to browse the links on the page in which will lead them to different pages that give them information from vocational schools and what they offer, consistently updated scholarship information, free college options and resources helpful in the professional world.

1. **Project Deliverables**
2. Topic Proposal 09.06.2020
3. Design Review Meeting 10.16.2020
4. Tool Selection Review Meeting 10.16.2020
5. Software Project Management Plan 10.16.2020
6. Selected Software Process
7. Managing Change
8. Project Schedule (Gantt Chart)
9. **Evolution of this document**

This document will be updated the more the project progresses along the way. There may be changes to the following sections:

1. **Definitions, acronyms, and abbreviations –** Updated along with process.
2. **Technical Process** – As the project becomes clearer on details, the more information will be added to this section (i.e…Tools and Software Documentation).
3. **Schedule** – Timing on deliverables or deadlines may be subject to change depending on circumstances approved by teacher.
4. **Definitions, acronyms, and abbreviations**
5. SPMP – Software Project Management Plan

**2- Project Organization**

1. **Process Model**

The Incremental Development process model will be used for this project. This will allow for the basic requirements of the project to be completed and then once functional after initial cycle, time for improvements and changes to the product will provide enhancement features to the web project for further learning opportunities.



1. **Organizational Structure**

Deja Hamilton will solely be responsible for all aspects of this project from the planning, requirement specification, analysis, source code, test plan, updating, communications to the teacher and deliverables.

**3- Managerial Process**

1. **Management objectives and priorities**

Deja Hamilton will serve as manager and ensure that the project deliverables and final product is delivered on time and of the highest quality upon given requirements. Deja will consistently keep up with the dates of deliverables and ask the client or teacher upon further clarifications on the product.

1. **Assumptions, dependencies and constraint**

In this project, there are some factors that may affect the progression of the project phases. These factors are listed below and therefore will be take care accordingly and efficiently (Due dates of project/presentations are included):

* Other class periods times and assignments conflicts
* New to web-based product construction therefore, will need to spend more than a couple hours constructing the process and becoming familiar with terminology.
* Project Proposal – 9.6.2020
* Design Review, Tool Selection, and SPMP meeting will be scheduled the last day of grace period – 10.16.2020
* Get APIs for contents – 10.22.2020
* Create a Contact Us Contact Form – 10.30.2020
* Formatting/Designing – 10.30.2020
* Custom Links to certain pages – 11.7.2020
* Final Individual Project Deliverables Due – 11.18.2020
* Testing Period – 11.22.2020
* Completion of Milestone -11.23.2020
* Upload all files to Repository – 11.23.2020
* Final Presentation Submission Due Date – 11.23.2020
* Final Individual Project Presentations Due – 11.24.2020 – 12.1.2020

**4- Technical Process**

1. **Methods, Tools, and Techniques**

This project will be implementing the incremental development process model, and tools such as Visual Code studio, bootstrap, Namecheap, Firebase, Monster API, scholarship API’s from Chegg and a Vocational School search API will be utilized to obtain the information on schools, jobs and scholarships along with having a location for my website to be hosted. All new tools will be updated to this section upon progression of this project.

1. **Software Documentation**

Upon further progression into the project, Software development will be documented and added to this section consistently. Documentation on links to vocational school resources information, updated scholarship information, free school options and professional development resources.

**5- Work elements, Schedule, and Budget**

1. **Budget**

There is no budget associated with this web-based project.

1. **Schedule**

Deliverables are to be completed in a timely matter.

1. **How Change Will Be Managed**
   * + 1. This document will record all new changes and be reviewed before submission in order to confirm functionality and features of the product.
       2. When a change is added to the product and approved to not be harmful to functionality of the product and consistent with requirements, it will be recorded on this document.
2. **Work Breakdown Structure**

