

# Software Project Management Plan

CSUN Dashboard

15th September 2022

White Volley Girls

Computer Science Dept/CSUN

Edmund Dantes

# Revisions

Version	Primary Author	Description of Version	Date completed
1.0	Christian Jarmon	Initial Version	21st September
1.1			
1.2			
1.3			
1.4			
1.5			

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# 1. Introduction

## 1.1 Project Overview

### Purpose

*Purpose for this project, can re use stuff from project presentation.*

Create a utility/tool for CSUN students to effectively plan their CSUN semesters/years via defragmentation of information that goes into making such plans.

### Scope

*Scope for this project, can re use stuff from project presentation.*

The final product will be used by CSUN Students and Advisors to display CSUN information

### Assumptions and constraints

We will assume the user has a HTML5 capable browser

- Chrome 8+
- Firefox 4+
- Safari 5.1+
- Edge
- IE 11
- Opera 12.1+

## 1.2 Literature Review

- For the database design, it has been determined MySQL would be best in terms of cost-effectiveness as it has an unconditional free option.<sup>1</sup>
- Other free options for relational databases have been reported as not having support for reporting features or has questionable documentation.

*What have you researched on the project? Don't forget footnotes For example:*

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<sup>1</sup> "Popular Databases Comparison." *Databases 24/7*, <https://databases247.com/>. [Accessed: 17 September 2022]



## 2. Project Organization

### 2.1 Roles and Responsibilities

Team Member	Roles	Email
Christian Jarmon	Lead Engineer Backend Programmer	christian.jarmon.147@my.csun.edu
Nima Shafie	Backend Programmer	nima.shafie.374@my.csun.edu
Michael Balian	Lead Frontend Designer	balianmichael@gmail.com
David Huezo	Frontend Designer	david.huezo.574@my.csun.edu

### 2.2 Tools and Techniques

- ReactJS - Website design and development
- Flask - Web Server for hosting API
- MySQL - Database for storing info about Professors
- Github/Git - Version Control

## 3. Project Management Plan

### 3.1 Tasks

Task#/Phase	Task Description	Date
Gather Catalog	Get information about every class in every subject regarding Subject, Catalog Number, Description, and their Prerequisites and Corequisites.	29th October
Gather Professor Information	For every professor in every subject get their First and Last Names, along with office locations, emails and websites, and their phone number.	29th October
Gather Financial System Info	Learn about how tuition and financial aid is calculated for every student.	5th September
Create SQL Schemas	Figure out how SQL tables will be organized and if any indexing or optimization techniques are needed.	20th September
Develop Prerequisite Parsing Algorithm	Parse prerequisite strings from class descriptions to display meaningfully to the user.	3rd October
Develop Class Accessibility Model	Build algorithm to rate a class's accessibility in terms of its prerequisite requirements	3rd October
Develop Class Probability Model	Build algorithm to determine chances of being able to enroll in a specific class based on its accessibility, user input registration date, the time of the class, and its professor.	3rd October
Design Web Planner	In ReactJS, design the web planner interface for user's to plan their schedule	24th October
Design Class Viewer	Design page to explore and discover classes from catalog.	24th October
Design Professor Viewer	Design page to view and discover professors.	24th October
Integrate Account Functionality	Integrate account creation for the end product for users to save their information.	31th October

## 3.2 Assignments

Date	Deliverables/Progress
9/25/22	Progress Report #1
9/25/22	Project Presentation
9/25/22	Progress Report #2
10/2/22	Software Project Mgmt Plan (SPMP)
10/9/22	Progress Report #3
10/16/22	Software Requirement Spec (SRS)
10/23/22	Progress Report #4
11/3/22	Progress Report #5
11/10/22	Software Design Document (SDD)
11/20/22	Progress Report #6
12/4/22	Progress Report #7
12/11/22	Progress Report #8

### 3.3 Timetable

WBS NUM BER	TASK TITLE	TASK OWNER	START DATE	DUE DATE	DURATION	PCT OF TASK COMPLE TE	PHASE ONE												PHASE TWO																	
							WEEK 1					WEEK 2					WEEK 3					WEEK 4					WEEK 5					WEEK 6				
							M	T	W	R	F	M	T	W	R	F	M	T	W	R	F	M	T	W	R	F	M	T	W	R	F	M	T	W	R	F
A	Data Aggregation & Modelling																																			
A.1	Gather Catalogs	Christian J	8/30/22	8/30/22	0	100%																														
A.2	Gather Professor Information	Christian J	8/30/22	8/30/22	0	100%																														
A.3	Research Financial CSUN Infrastructure	Christian J	8/31/22	9/3/22	3	100%																														
A.4	Create SQL Schemas	Nima S	8/30/22	9/16/22	16	100%																														
A.5	Develop Prereq Parsing Algorithm	Christian J	9/18/22	9/30/22	12	20%																														
A.6	Develop Accessibility Model	Christian J	9/18/22	10/5/22	17	0%																														
A.7	Develop Probability Model	Christian J	10/2/22	10/9/22	7	0%																														
A.8	Integrate Account Functionality	Nima S	10/7/22	10/9/22	2	0%																														
B	UI/UX Design																																			
B.1	Design Web Planner	Michael B.	9/18/22	10/30/22	42	5%																														
B.2	Design Class Viewer	Michael B.	9/18/22	10/30/22	42	5%																														
B.3	Design Professor Viewer	Michael B.	9/18/22	10/30/22	42	5%																														
B.4	Integrate Frontend and Backend	David H.	9/18/22	10/30/22	42	0%																														
C	Deliverables																																			
C.1	Progress Report #1	Team	9/11/22	9/11/22	0	100%																														
C.2	Project Presentation	Team	9/4/22	9/11/22	7	100%																														
C.3	Progress Report #2	Team	9/25/22	9/25/22	0	100%																														
C.5	Software Project Mgmt Plan (SPMP)	Team	9/11/22	10/2/22	21	100%																														
C.4	Progress Report #3	Team	10/9/22	10/9/22	0	0%																														
C.6	Software Requirement Spec (SRS)	Team		10/16/22	44206	0%																														
C.7	Progress Report #4	Team	10/23/22	10/23/22	0	0%																														
C.8	Progress Report #5	Team	11/3/22	11/3/22	0	0%																														
C.9	Software Design Document (SDD)	Team		11/10/22	44230	0%																														
C.10	Progress Report #6	Team	11/20/22	11/20/22	0	0%																														
C.11	Progress Report #7	Team	12/4/22	12/4/22	0	0%																														
C.12	Progress Report #8	Team	12/11/22	12/11/22	0	0%																														
C.13	Software Test Plan (STP)	Team		12/11/22	44261	0%																														
C.14	Project Presentation	Team	12/8/22	12/15/22	7	0%																														



[illegible]