

# **Planner Application**

**COSC 412**

**Fall 2020**

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# **Preface**

The purpose of this project is to create a planner that students can use to organize their class tasks goals. The website will not be limited to students, anyone should be able to customize this site to fit their needs. This application will save any important notes, tasks, or routines. The app will also contain a calendar, as well as the date and time. I believe this is an important application, as many college students admit that they are not organized. This application will organize all career and life essentials for a college student (or anyone) into one site.

The final product was not my intended end goal, but is what I was able to accomplish during this semester. Because of this, my project proposal document does not describe the actual completed product.

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# Revision Sheet

10/27/20:

- revised cloud service information
- specific schedule update
- Budget update

10/31/20:

- revised domain and hosting information
- updated WBS to be readable

11/1/20:

- updated website functions and preface

11/17/20:

- revised gantt chart

# **Introduction**

## 1.1 Overview

### 1.2 Deliverables

- Individual Project Meeting
- Final Presentation
- Documentation: SPMP, use cases, requirements, testing procedure

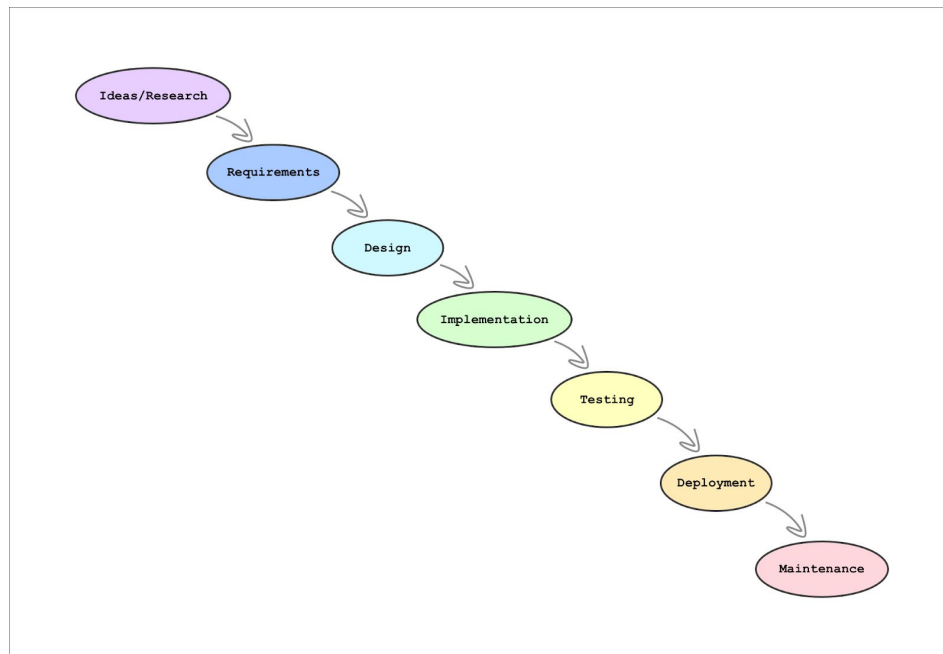
### 1.3 Evolution of SPMP

- SPMP will be updated throughout the semester when necessary
- View changes made on Revision Sheet page

# Project Organization

## 2.1 Process Model: Waterfall Process

- This model makes the most sense for a semester project



# Managerial Process

## 3.1 Management Objectives and Priorities

- Since I am my own client, I will be able to work on my own time. I will have meetings with my professor should I have any questions or concerns.

## 3.2 Assumptions, Dependencies and Constraints

- Assumptions/Dependencies
  - As a student, I am hoping to use firebase for free or low cost, as I currently have no plans to move forward with the project after this semester. Firebase will be used as a host, cloud storage, and database for my website.
  - I will be seeking guidance from my professor, as well as receiving advice from family members.
- Constraints
  - Time: I have until the end of November to finish a working prototype.
  - Money: As I stated before, I will use firebase to host the website, because it is low-cost.
  - Outsourcing: I need to research code that is applicable to this project, relating to planning and scheduling applications. I am not planning on making my database, so I will need to outsource that as well.

## 3.3 Risk Management

- I will be using GitHub to save all my past iterations of the project incase of any accidents or issues.

## 3.4 Monitoring and Controlling Mechanisms

- The schedule I have created will keep me on track to complete the application to the best of my abilities.

# Technical Process

## 4.1 Methods, Tools, and Techniques:

- Languages: HTML, CSS, Javascript
- Editor: VScode
- Library: React
- Database: Firebase
- Web hosting: Firebase
- Repository: Github

## 4.2 Software Documentation

- Documentation will include:
  - This SPMP (basic info)
  - Requirements
  - Test Skeleton
  - All versions of software will be uploaded to github repository

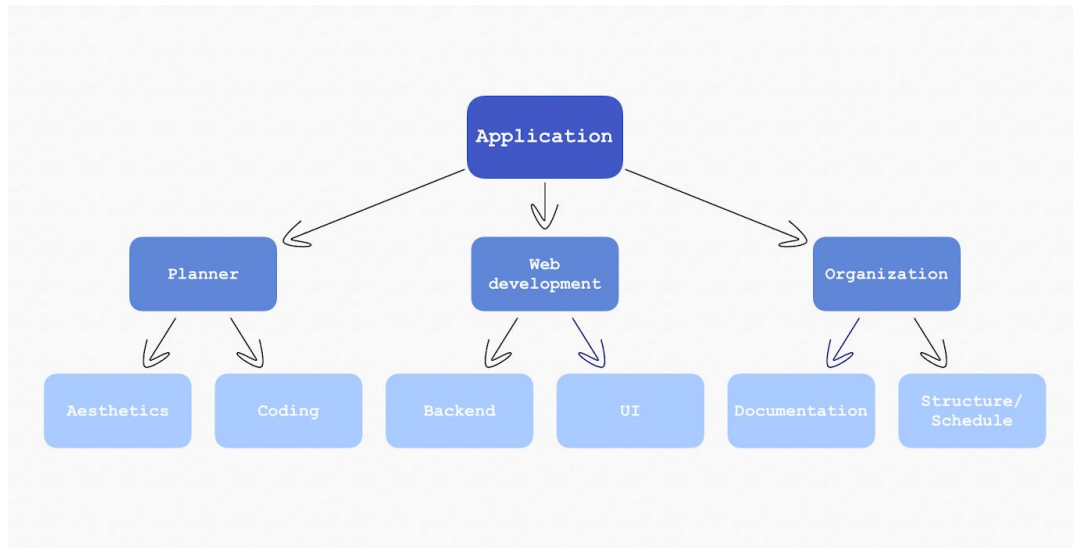
## 4.3 Project Support Functions

- This project will be presented as a working prototype. While the majority of the website will run smoothly, there might be a few bug issues
- I will run a test case to ensure that all aspects of the project work properly



## Work Elements, Schedule, Budget

## 5.1 Work Breakdown Structure



## 5.2 Schedule/Gantt Chart

[illegible]

I ended up taking longer than expected on some aspect of the project, which put me behind in other areas.

### 5.3 Budget

- Since I am a student, I would like to keep the cost of this project inexpensive. I am using developing tools that are free, and a relatively inexpensive hosting site.
- Total cost: under \$15