UPlan

Mariana Baquero, Dana Feeney, Jonathan Raskauskas

Advisor: Vanessa Aguiar

Submitted in partial fulfillment
Of the requirements of CSC-431
Software Engineering course project

February 11, 2021

Preface

This is a proposal for the UPlan project for partial fulfillment of the requirements of a Software Engineering course (CSC431) project in the department of Computer Science at the University of Miami.

This proposal provides the scope and context of the project to be undertaken. It details the intended user group and the value that the system will have to them.

The intended audience of this document is the course professor and teaching assistants so that they can determine whether the project should be approved as proposed, approved with modifications, or not approved.

Table of Contents

1.0 Overview

1.1. Purpose, Scope and Objectives

The purpose of this project is to promote healthy time management habits among university students and young adults. UPlan will allow students to schedule every minute of their busy lives from school to work and beyond in an easy to use interface. This product will be especially useful for individuals that struggle with balancing school work, keeping a consistent fitness schedule, and maintaining relationships.

UPlan will be used on college campuses across the world, and can be accessed by students on a desktop or mobile device. For hardware, users will need a computer or tablet that has internet access or a smartphone and an internet connection. For software, the application will be accessible via web browser or on smartphones via a downloadable application.

1.2. Project description

Time management is a problem that all students encounter. Notoriously, college students have to balance their school, work, and social lives. The constant struggle of prioritizing one category over another leads to missed deadlines, a lack of consistency in staying healthy, loss of friendships, and a lot of frustration.

UPlan will feature a minute by minute planner with each task broken down into two categories: event and task, and then place them into either the user's calendar or the user's to-do list. UPlan will allow users to break down every moment of their life into these two groups. UPlan will automatically create a schedule based on the information given from the preset categories and will automatically remind the user when their task or goal is due.

Features:

- User Interface - Written by us
    - Dashboard/Home Page
        - Daily Task Summary
        - Weekly Task Summary
            - Week calendar block 7 day overview
    - Login Page
        - Log in
            - Username
            - Password
        - Create User
    - Create User Page
        - Username
        - Password
        - Email
    - Logout Page
        - Successfully logged out
    - Planner Page
        - Filter by Daily, Weekly, and Monthly
        - Add event to planner
    - To-do Page
        - New Task
        - Modify Task
        - Delete Task
        - Complete Task
        - Prioritize Task
    - Notification
        - Email & text notifications
        - In browser pop ups
- Login/Log off Capability - Written by us and Google Login API
    - Username
    - Password
    - Google Login
        - https://developers.google.com/identity/sign-in/web/sign-in
    - SQL Database to store username and password

- - Success messages when logged off
- Scheduling/Calendar - Written By Us
    - Ability to create planners
    - Easy task submission
        - Task broken down into two categories
            - Events
            - Tasks
        - Stored in SQL database
    - Task Attributes
        - Task Label
        - Description
        - Due Date/time
        - Location
        - Mark as Complete
        - Label (Home/Work/Friends/etc)
            - Will Automatically define work home and friends
            - Users will be able to create additional custom labels for tasks
- Reminders/Notifications - Written By Us
    - Reminders sent via pop up reminders in browser, email, or text
        - Time Based Notifications
            - Can be set for specific amounts of time prior to the deadline of a task