

Proposal

Dashboard

Isabelle Geller

Emmett Steven

Jordan Rodriguez

Rebecca Wagner

Noah Christensen

Alessio Buraggina

Raul Diaz

Advisor: Julio Perez

Chris Mader

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

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Preface

This is a proposal for the creation of a Dashboard 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 professors so that they can determine whether the project should be approved as proposed, approved with modifications, or not approved.

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1.1. *Purpose, Scope and Objectives*

The purpose of the project is to create a planner website containing details of student responsibilities, including day-to-day assignments, work schedules, and general to-do lists. The product will be delivered via a website containing a calendar and task manager. The intended audience is university and high school students. To access the product, a computer and wifi connection will be required. To create the Dashboard we will be using HTML, CSS/ SCSS, SQL, Javascript, React, and node.js. The reason for creating the project is to help busy students manage their day-to-day lives using modern technology. Google calendar and Apple calendars are limited by not connecting their calendar and list functions in one unified application. The product is also extremely adaptable and able to be used by businesses and other non-student individuals, particularly due to the time management function which will allow users to actively monitor their tasks.

1.2. *Project description*

The Dashboard will have the following features:

- login page (database will be created)
 - overview of Dashboard's functions
- calendar (existing programs will be used)
 - potentially connect with existing calendar software
- task tracker (the ability to add and remove tasks and countdowns until due dates, will be created)
 - list of tasks can be sorted by due date, subject, priority, or length of time (timer will be included)
- timer to alert when allotted time for task is complete (use start/stop timer function)