

CS 320 Course Project Final Report

for

Calendar App

Prepared by

Group Name: Team Pi

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|  |  |
| Date: | December 14, 2020 |
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# Introduction

## Project Overview

Students who struggle with time management would greatly benefit from this application. This product is meant to help students organize their time into blocks of 15-minute increments. The student can put in their work, school, and other obligations for the week to have a simplified timetable to follow. In the application they can add their homework/test/quizzes due dates/times as well as notes about the assignment.

When a student creates a new event, they can add start/end time and date. They can also add where the event is at if they wish. In the documentation for schoolwork the student can record how long it took them to complete the assignment. The program can add those average times for the week and can give feedback on where to focus studying. If there is improvement in the amount of time taken on an assignment it can give positive feedback.

## Definitions, Acronyms and Abbreviations

TT: Time Taken

GUI: Graphical User Interface

## References and Acknowledgments

# Design

## System Modeling

## Calendar Description automatically generatedInterface Design

# Implementation

## Development Environment

This project was developed on IntelliJ and tested on IntelliJ. Then the app was tested manually by adding or changing things in the app and testing the GUI.

## Task Distribution

Ramsay: Developed app and tested app, helped with documentation.

Caylin: Documented progress and kept documentation. Contributed to landing page

## Challenges

There were features that were left out due to time constraints. There was also a team member who did not participate at all in the project and the whole project had to be done by two people.

# Testing

## Testing Plan

1. Test to see if all the buttons work on the app
2. Test the month array to see if month button worked correctly.
3. Test to see if the year button works correctly by changing the year.
4. Test to see if events are added correctly on the selected day.

## Tests for Functional Requirements

When testing the buttons on the app all worked. When pressed all the listeners responded correctly. The month and year buttons also worked correctly, and you can select a different month and year. When the month and year changes the weeks adjust correctly as well comparing to the calendar in iCal. Testing for events adding correctly, asserted that a date matched the date to the created event date.

## Tests for Non-functional Requirements

Testing to make sure notes that were added to an event did not get altered. When tested the text was not altered and was asserted the same string when compared to the string in the event.

## Hardware and Software Requirements

Hardware: No requirements other than any computer that can run the latest version of Windows or iOS

Software: Mozilla Firefox version 71.0

# Analysis

Milestone 1:

Ramsay:

Caylin: 4 hours

Milestone 2:

Ramsay:

Caylin: 5 hours

Milestone 3:

Ramsay:

Caylin: 4 hours

Milestone 3 took the most time to complete. Caylin accidently corrupted the file she was using to create the calendar and start over. Luckily Ramsay had a version that worked and completed the project from his work. Some features were left out due to this and the database requirement was left out as well since the project requirements changed.

# Conclusion

When working on this project we all learned about deadlines. That even if there is a deadline that seems far away it is better to work on the project in chunks rather than waiting until the last minute. We also learned that work is easier when you communicate with your team effectively.

Appendix A - Group Log

The team met about two weeks before each milestone was due and then checked in a week later to make sure that the team did not need extra help.