Full Stasis

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CST-451 Capstone Project Requirements Document

Grand Canyon University

Instructor: Professor Mark Reha

Revision: 2.0

Date: 4/18/23

**ABSTRACT**

This project is used is going to be used to color coordinated a person daily schedule with certain requirement in mind. These colors will be used to help people that have many different tasks in front of them get organized without letting their mental health plummet in response. This will include having specific color events that are not supposed to be moved or items that you do not have control over. For example, an external event or responsibility that was planned by someone else or has an expected attendance. This can be school, work, church, Jury duty, Items that are not able to be moved and if missed with have a negative effect. There will also be a section for items that should happen within a day this will be its own color and when your plan for the day is under the minimum you will be reminded your mental health can suffer in response. Using this part in combination should help those with busy schedules from getting burned out or overwhelmed by all the tasks in front of them. All it takes is some planning and determination and with this app it will be more assessable.

Summarize the entire project in 2-3 paragraphs, about 15-20 lines. The abstract should be enough for one to get an idea of what this project is about, what was the task, and what you accomplished. Briefly provide the broader context. Write this section only after the entire project is complete.

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| History and Signoff Sheet |

**Change Record**

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| --- | --- | --- |
| **Date** | **Author** | **Revision Notes** |
| 10/5/22 | Vincent Sanchez | Initial draft for review/discussion |
| 4/10/23 | Vincent Sanchez | Updated List for new device to be used with Capstone |
| 4/13/23 | Vincent Sanchez | Updated Wireframes of Design |
| 4/18/23 | Vincent Sanchez | Updated Flow Diagram to Match new flow |

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| **Overall Instructor Feedback/Comments** |

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**Integrated Instructor Feedback into Project Documentation**

Yes  No

**TABLE OF CONTENTS**

Functional Requirements and Nonfunctional Requirements User Story are in the following Excel: 4

Technical Requirements 4

Logical System Design 6

User Interface Design 7

Functional Requirements and Nonfunctional Requirements

A picture containing application

Description automatically generated

Technical Requirements

**Use Cases**

Describe the tools and technologies used in the project.

NOTE: Once the technical requirements have been completed, there may be situations where technologies or tools may need to be taken out of scope or changed, possibly due to technical challenges or timeline challenges. Any technologies or tools that are taken out of scope or changed once the project development has started must be approved by the mentor and instructor with justification as to why the functionality is being removed from the project. The following must be updated if any technologies or tools are taken out of scope or changed:

|  |  |  |
| --- | --- | --- |
| **Technology or Tool** | **Approval Date** | **Justification** |
| **Visual Studio Code 2022(1.72.0)** | **8/29** | **Visual Studio is the main editor that will be used for this project** |
| **ReactJS (18.2.0)** | **8/29** | **One of the most used Frameworks used for both Android and IOS** |
| **JSX (18.2.0)** | **8/29** | **This is the language that is used for React Native** |
| **Firebase (9.12.1)** | **8/29** | **A commonly used backend service used to store data using NoSQL** |
| **Draw.io (20.3)** | **8/29** | **This is a diagram service that is used for most of the drawing included in this project** |
| **MacBook Air 2020 (Late 2020 M1)** | **8/29** | **This is the device that is going to be used to write most of the code** |
| **iPhone 11 (IOS 16)** | **8/29** | **This iPhone will be used for the testing of the initial concept for the application as to determine if the compatibility is true for IOS** |
| **Samsung Z Flip 4 (Android 13)** | **8/29** | **This Z flip with be used for testing of the initial concept for the application as to determine if the compatibility is true for the current version of Android** |
| **Pixel 6A (Android 13)** | **8/29** | **This device will be used for the Capstone** |

Logical System Design

Provide a diagram of the logical architecture of the system.  
Diagram

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User Interface Design

Provide a sitemap and user interface design diagram for each user interface screen in the application, if not applicable, define the components of the project as described in the handbook.  
  
Diagram

Description automatically generated

Graphical user interface

Description automatically generated