2019 2020



Project Proposal - Rough Draft

Company: The Deconstructors

Submitted to: Todd Breedlove

Submitted by:

Version: 0.1

Email:

Date: Oct/21/2019

LEGAL NOTICE

All actions performed by the users of products created by UNDER DECONSTRUCTION are the sole responsibility of the user. Releases of products created by UNDER DECONSTRUCTION are “as is” and guarantee only what is stated in the release notes for the version it is released under.

COPYRIGHT NOTICE

© Copyright UNDER DECONSTRUCTION. 2019-2020. All rights reserved. All original work created in collaboration with its products is intellectual property belonging to UNDER CONSTRUCTION. Distribution or reproduction of any copyrighted works without written permission from UNDER DECONSTRUCTION is prohibited.

REVISION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Authors** | **Company** | **Version** | **Date** | **Filename** | **Comments** |
| Michael Remley  Codey Winslow  Kacey Balabin  Jared Glasser  Jihyuk Chung | Deconstructors | 0.1 | Oct/21/2019 | Deconstructors  \_Project  \_Proposal  .docx | Rough Draft |

SIGNATORY PAGE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Author: Michael Remley Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Author: Codey Winslow Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Author: Kacey Balabin Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Author: Jared Glasser Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Author: Jihyuk Chung Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Reviewer: Todd Breedlove Date

TABLE OF CONTENTS

[LEGAL NOTICE i](#_Toc22860616)

[COPYRIGHT NOTICE i](#_Toc22860617)

[REVISION HISTORY i](#_Toc22860618)

[SIGNATORY PAGE ii](#_Toc22860619)

[TABLE OF CONTENTS iii](#_Toc22860620)

[1. INTRODUCTION 1](#_Toc22860621)

[**1.1** **PURPOSE** 1](#_Toc22860622)

[**1.2** **SCOPE** 1](#_Toc22860623)

[**1.3** **INTENDED AUDIENCE** 1](#_Toc22860624)

[2. PROJECT MANAGEMENT 2](#_Toc22860625)

[**2.1** **CHANGE MANAGEMENT PROCEDURES** 2](#_Toc22860626)

[**2.2** **THE DECONSTRUCTORS TEAM, TIMELINES, AND DOCUMENTATION** 2](#_Toc22860627)

[3. SYSTEM GENERAL DESCRIPTION 3](#_Toc22860628)

[**3.1** **PROBLEM STATEMENT** 3](#_Toc22860629)

[**3.2** **PERSPECTIVE** 3](#_Toc22860630)

[4. PRODUCT REQUIREMENTS 4](#_Toc22860631)

[**4.1** **FUNCTIONAL** 4](#_Toc22860632)

[**4.2** **PERFORMANCE** 7](#_Toc22860633)

[**4.3** **RELIABILITY** 7](#_Toc22860634)

[5. USER PROFILES 8](#_Toc22860635)

[6. APPENDIX A – GLOSSARY OF TERMS 9](#_Toc22860636)

[7. APPENDIX B – CHANGE REQUEST FORM 10](#_Toc22860637)

1. INTRODUCTION
   1. **PURPOSE**

The purpose of this document is to propose the design and implementation of the [product] application. The section and subsections following are dedication to defining and describing the format of this document or the intended design plans.

* 1. **SCOPE**

The scope of this document is limited to project management, general system discussions, and a description of the product requirements which will describe in limited detail the intended design features and functionality. Also, includes is the specific functionality of modules and otherwise discrete functionalities that may later be added to the system.

* 1. **INTENDED AUDIENCE**

The intended audience of this document includes everyone, including children and any third party interested in this project.

1. PROJECT MANAGEMENT
   1. **CHANGE MANAGEMENT PROCEDURES**
   2. **THE DECONSTRUCTORS TEAM, TIMELINES, AND DOCUMENTATION**
2. SYSTEM GENERAL DESCRIPTION
   1. **PROBLEM STATEMENT**

Develop a product that streamlines activity planning in a social context. This product should allow quick and easy creation of schedules for recreation or responsibility with optional collaboration. This will come in the form of a mobile app, and it should be designed in an open enough way to allow the user to use it in a way that fits them best.

* 1. **PERSPECTIVE**
     1. **History / Background / Prior Releases**

[product] encompasses features that have existed in many organization software products over time, but this app will be able to bring more focus to the planning process that those could not. Other apps that attempt to serve the same purpose follow more of a spreadsheet-like design which is not the direction [product] will go.

* + 1. **Relation of Development to Existing Systems**

[product] will not be built upon any existing system.

1. PRODUCT REQUIREMENTS

This section serves the purpose of detailing all requirements the final product must meet upon launch. The functional requirements are grouped by broad areas of requisite and detailed further in subgroups. They describe the features within the app we want to deliver directly to the user.

* 1. **FUNCTIONAL**

1. **Login**

A method to enter identifying information for personalized use of the application. These methods described below show the many ways in which one may tailor their experience from the first click.

* 1. Local Database  
     Our local database will contain information for users that wish to solely use our application without connecting to Facebook, or Google, but would still like to use our online service. (Users may still connect to their favorite social platform in later settings)
     1. Username and Password entry via textboxes
  2. Google  
     Using the Google login method allows one to sign into our application via Google services and provides access to any Google contacts, or otherwise useful features that pertain to the many social aspect of our app.
     1. Google embedded login button
  3. Facebook  
     Using the Facebook login method allows one to sign into our application via Facebook services and provides access to any Facebook friends, or otherwise useful features that pertain to the many social aspect of our app.
     1. Facebook embedded login button
  4. Offline option  
     Allows the option of bypassing all online features, whether that be to test the application and its features before signing up, or to purely use the app as an activity planner.
     1. Offline login button
  5. Sign-up  
     Provides users that have not yet signed up to our local database and do-not wish to use any of the other login options.
     1. Sign-up button
     2. Prompt for data entry
        1. Username
        2. Password
        3. Email (optional)

1. **Activity Bank**
   1. Custom Activities
   2. Geological activities
   3. (Stretch) Tags
2. **Cloud Activities**
   1. Cloud Storage
   2. Cloud Communication
3. **Plan Construction**
   1. New Plan
   2. Edit Plan
   3. Delete Plan
   4. Duplicate Plan
4. **Plan Visualization**
   1. Time Centric Presentation
5. **Friends**
   1. Add Friend
   2. Remove Friend
   3. Friend Group
   4. Messaging
6. **Collaborative Planning**
   1. View Friend Plans
   2. Group Plan
   3. Share Plan
   4. Request to Join
7. **Geo Capability**
   1. View Friend Location
   2. Local Activities
   3. Attach Location to Activities
8. **(Stretch) Plan Generator**
   1. Generate Using Tag Structure
9. **Notifications + Reminders**
   1. The system will have a notification and reminder system
      1. The system will notify the user of upcoming events through push notifications
         1. The system will use the android’s native push notifications and banners
      2. The users will be able to disable messaging notifications
10. **Settings**
    1. The system will have a settings tab containing app preferences
       1. The system will allow the user to edit how they are reminded about upcoming events.
    2. The system will have a privacy tab containing privacy preferences
       1. The system will give the user choice to always be online & discoverable
       2. The system will allow the user to edit privacy settings
       3. The system will allow the user to disable private messages
    3. The system will have a cloud tab containing save preferences
       1. The system will give the user choice to save plans to the cloud
       2. The system will give the user choice to share plans with friends
11. **Graphic User Interface**

The application’s main interface and button layout

1. The system will display login page
2. The system will have adjustable time frames for selected activities
3. The system will have visual aids for constructed schedules and plans
4. **Installer**
   1. Create Installer for android devices
      1. (Optional) Add ability to change language
   2. (Optional) Create a Website for PC users
5. **Error Handling**
   1. Create custom error module
6. **Platform**
   1. Android Studio development
   2. Application and server code written in Kotlin
   3. Database management with SQL Server
   4. **PERFORMANCE**

The application will operate some minor loading time primarily due to database access for the user, network communication, and location information. Anytime the application needs to load data, it will display a loading symbol so that the user understands what is happening.

* 1. **RELIABILITY**

Software reliability is without doubt, one of the most important aspects in software. There will be software reliability tests to measure the application’s ability to function. The goal is to maintain 98% reliability based on: 1 - (number of failing cases / total number of cases under consideration).

1. USER PROFILES

The users of [Product] are everyone who are interested in a new application to manage and organize their localized activity alone or with friends or colleagues.

1. APPENDIX A – GLOSSARY OF TERMS

[Product] – The proposed project, which is and planner application for everyone to help manage daily life and localized activities better.

1. APPENDIX B – CHANGE REQUEST FORM

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date Requested: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Description of Proposed Change:

Reason for change:

Comments: