

Who: Chris Leung, Brian Larson, Zach Vargas, and Chase Springer

Title: Conversion Mobile App

Description: An app that has conversion formulas stored on it and a calculator for use in conversions.

Vision Statement: Provide everyone with the means for calculating all forms of measurement. Give anyone the ability to perform complex math by themselves.

Motivation: In the sciences, we work with a lot of different types of measurement and calculations and it would make life as a student much easier if simple conversions were easily available.

Risks: Some of us haven't worked on mobile development, new to most of the tools used this semester, we haven't worked together very often

- **Mitigation Strategy:** Know people that work in mobile, there is a mobile app makers club that some of us can participate in, learn and research tools used in this course

VCS: We will use Github.

<https://github.com/ChaseSpringer/ConversionMobileApp>

List of Requirements:

User Requirements			
ID	Description	Agile Sizing	Priority
UR - 01	As a user, I want to be able to see all classes of measurement immediately so that I can select one.	3	High
UR - 02	As a user, I want to be able to see all the conversion formulas under the selected class so that I can convert values correctly.	5	Critical
UR - 03	As a user, I want to be able to use a conversion calculator on the app so that I can perform conversions quickly.	20	Nice-To-Have
UR - 04	As a user, I want to be able to navigate between classes of measurement so that I can quickly switch between conversions.	1	High

UR - 05	As a user, I want to be able to provide feedback so that the app can get better.	1	Medium
UR - 06	As a user, I want to be able to appreciate the visual appearance of the application so that I enjoy using it.	2	Low

Functional Requirements

ID	Description	Agile Size	Priority
FR - 01	As a developer, I want the conversion formulas in a database so that it's easy for the app to retrieve them.	2	Medium
FR - 02	As a system admin, I want to be able to read feedback quickly and easily so I can update the development team on our new project priorities.	2	Medium
FR - 03	As a developer, I want to easily add more conversion formulas so that it transitions seamlessly without having to reformat.	5	High
FR - 04	As a developer, I want to use Xcode so that it will run on all iPhones.	1	Critical

Non-Functional Requirements

ID	Description	Agile Size	Priority
NFR - 01	As a user, I want the text to be easily readable so I can use the app easily and understand it.	2	High
NFR - 02	As a user, I want the app to run in different languages so that I have options for my language.	20	Nice-to-Have
NFR - 03	As a user, I want to expand on the conversion formulas for examples or descriptions so that I can understand the formula better.	5	Low

Methodology: Agile

Project Tracking Software: Trello

<https://trello.com/b/KuvX4aB4/conversionmobileapp-project>

Project Plan:

