Team Coffee Prospectus

Our team consists of Alex Suriano, Brendan Koning, and Michael Veenstra. Alex Suriano has a strong background in Java and C/C++ with minor experience in many other languages. Brendan Koning has a strong background in Java and Python and is experienced with C, C++11, and Ruby. Michael Veenstra has a strong background in C/C++ and Java, with minor experience in other languages.

The project that our team has been assigned is Coffee Wizard. Coffee Wizard is going to be an Android App. The objective, as per the proposal from Uncommon Coffee Roasters, is to make an Android app that teaches the user how to brew the best cup of coffee. This includes teaching the user practical knowledge of the coffee extraction process, as well as in-depth descriptions/ instructions for a variety of common household coffee brewers. The instructions will be set up in such a way that the user is able to step through each individual step in the brewing process, along with tools, tips, timing and other information. Lastly, the app will offer links to the company for more information, questions, suggestions, etc. Most of the information in the app will be local with the only outbound processes being email submission and link to the website.

Required Features:
- Animations: Opening screenshot, Timer/Alarm (with sound notification)
- Icons: Timer, brew, dial-in FAQ
- Dial-In: Brew methods (several icons in following screen for selecting brew methods)
- Brew: Saved favorite methods
- Timer: Calculation based on results of brew/ dial in selections. Color coding for optimal time and ping for critical times
- FAQ: FAQs for coffee types and brewing process
- Toolbar: access to website, email, order form link

Optimal Features:
- Main menu: Besides the Brew functionality described above, a main menu page to give users the options to go to three different static text page.
- About Us
- Application Disclaimer
- John's Vision
- Timer Screen: Should show selection as well as a timer. Timer changes color based on the brew process status. Noise alert when next step needs to be started. Notification when to pour water
- Brew error checking- If something goes wrong, walk users through questionnaire to figure out where they went wrong and give user tips to fix style

Wish list (time allowed) Features:
- Available on tablets

- ○ Comments: Shouldn't be too difficult to format the app for tablet use.

- ● Including a volume option to change mechanics
  - ○ Comments: Have to clarify with customer. Whole pot, half pot, cup, etc.?
- ● Link to wholesale
  - ○ Comments: Need to clarify. Option to log into the website from app?
- ● Social Media Sharing
  - ○ Comments: I think Facebook would be the way to go. Ex: post on their timeline "I just brewed X using coffee brewer" Would be an easy way for user to share and promotion of app.
- ● Image Capture/ sharing
  - ○ Comments: Maybe have a way for users to upload pictures and send them in and have Uncommon choose one a week for a "Wizard of the Week" on Uncommon Instagram or Facebook

The technical growth aspect of this project will be working with Android development. None of us have had serious experience with Android development but we are all excited to learn. We have started by going through the tutorials for building a basic app on the Android Development website. To meet our customers wish list features, we will need to learn how to incorporate social media sharing through mobile apps.