

sdmay19-34: Context-Aware Clothing Recommendation

Week 2 Report

September 17 - September 25

Team Members

Ethan Wiczorek — *Lead Developer*

Will Parr — *Communications/Meeting Facilitator*

Christian Ehlen — *Lead Quality Assurance Engineer*

Nicus Hicks — *Head of Report Development*

Tyler Witte — *Software Project Manager*

Nickolaus Eaton — *Hardware/FW Project Manager*

Summary of Progress this Report

Over the past week, we've once again focused completely on software, since it is the almost all of our project. Weather APIs were researched, AWS/Firebase has been looked into, and work on a React Native app has begun. For general housekeeping, the repo has been set up and Trello is being used.

Main points of research:

- Weather apis
 - OpenWeatherMap, <https://openweathermap.org/api>
 - Dark Sky, <https://darksky.net/forecast/40.7127,-74.0059/us12/en>
 - Google awareness api, <https://developers.google.com/android/reference/com/google/android/gms/awareness/package-summary>
 - Backends
 - Firebase
 - Amazon Web Services
 - AWS Appsync
 - MongoDB
 - DreamSpark
 - App development
 - Native iOS and Android
 - React Native, our choice
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Pending Issues

Upcoming issues continue to be the issues looked into for the past few weeks, which is how to successfully combine information from multiple sources into one resource. We have found a number of APIs, but eventually they will need to be implemented. Additionally, we are still deciding on a database.

Plans for Upcoming Reporting Period

In order to combat the possible upcoming issues, an AWS and firebase backend are being set up for testing. Additionally, the React Native app continues to be developed, and libraries are being researched to collect the data in one place. Ideally, by next week, rough individual tests will be running or close to running. Additionally,

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Ethan Wieczorek	<ul style="list-style-type: none"> • Made a list of foreseeable future issues • Researched and documented possible solutions for foreseeable future issues <ul style="list-style-type: none"> • Researched libraries to help with database connections in react • Worked on the project plan 	7	9
Will Parr	<ul style="list-style-type: none"> • Assigned tasks to everyone • Set up trello board for task tracking • Researched weather api for a tech stack decision <ul style="list-style-type: none"> • Helped with firebase set up • Worked on project plan • Setup git repo with branches for team dev structure <ul style="list-style-type: none"> • Lead the design plan meeting 	8	11
Christian Ehlen	<ul style="list-style-type: none"> • Set up a firebase database to compare to an AWS database <ul style="list-style-type: none"> • Worked on the project plan • Researched technologies to connect a firebase to ReactJS 	5	6.5
Nicus Hicks	<ul style="list-style-type: none"> • Set up SQL database for early testing <ul style="list-style-type: none"> • Researched React Native 	5	6
Tyler Witte	<ul style="list-style-type: none"> • Worked on Project plan • Researched React Native • Worked to learn new techniques with React Native. 	5	6.5
Nickolaus Eaton	<ul style="list-style-type: none"> • Implemented an AWS DynamoDB instance in order to compare it against Firebase. • Collaborated on design plan and project workflow <ul style="list-style-type: none"> • Worked on project plan 	5	6.5

Gitlab Activity Summary

Nothing to report.