

Team Name: Sunshine Boys

App Name: Sb Weather File:

Summary

Names: Gagandeep Saini N01305833, Jeremy Persaud N01338636, Nathaniel Hedman N01112536
Robert Miller N01364182

Scope: Developing an app for our Hardware Project. Our project measures temperature (TMP 102), Humidity (DHT22), Barometer (Adafruit DPS310 Precision Barometric Pressure / Altitude Sensor)

Work Completed: Gagandeep did the UI (login, registration, reset password, splash screen, database to save the information, overflow (3 dots), logout button and button logo, refresh button and button logo. Worked on settings activity and added brightness seekbar with permissions, Version name, check for update function for the app. Did shared preferences for the login page/registration page. Helped with translating strings file.

Jeremy Persaud – did the home page which displays the temperature, humidity, air pressure, and wind speed in an implemented cardview. Used RecyclerView to create the scrolling list. Added settings activity and a switch with logic to toggle to dark mode. Added shared preferences for night mode switch. Helped with shared preferences with the login page/registration page. Helped with translating strings file.

Nathaniel Hedman – Created the contact us page. Uses onClick events to allow users to contact the group directly from the app by clicking icons. Added bottom navigation bar linked home activity, about us activity and contact us activity. Helped with translating strings file.

Robert Miller - Created the about us page and the logos being used in our application. Organized github by adding branches to the project. Tried to add a runtime permission dialog box but it was not working.

Work Remaining: - Add weatherpage activity to show average temperature and average humidity and within a timespan of a month. Creating appropriate tests for the app **functions**.

Git Strategy: We are using a shared repository that all our files are being pushed onto. Each member pushed their major changes to the repository and discussions happened weekly.

GitHub Link: <https://github.com/NatHed/Sunshine-Boys-Project.git>

Tool used: I used firebase database to pull the login info, save registration info, reset password, the reset password is run/linked with the database (sends the reset email, saves new password). I used the plugins and dependencies that were necessary to connect my app to the database.

<https://firebase.google.com/>