A) Project Name

Team Name: Sunshine Boys

Project: SB Weather

B) Group Members

Jeremy Persaud N01338636

Nathaniel Hedman N01112536

Robert Miller N01364182

Gagandeep Saini N01305833

C) Repository link

GitHub Link:

https://github.com/NatHed/Sunshine-Boys-Project

D) Project Description

The sunshine weather app is designed to show readings from a separate hardware device. The hardware will read temperature, air pressure and humidity from its local environment and send it to a server for the app to fetch. The app will display the readings from the server and allow users to update readings in real-time.

E) Group Contributions

Group Member	Contribution (%)
Gagandeep Saini N01305833	30%
Jeremy Persaud N01338636	30%
Robert Miller N01364182	20%
Nathaniel Hedman N01112536	20%

What each person did in detail.

Work Completed: Gagandeep did the coding and design of the UI (login page, registration page, reset password page, splash screen, database to save the information, overflow (3 dots), logout button with the logic behind it and button logo, refresh button with the logic behind it and button logo. All the database coding was done by me. I also added a progress bar for the login button. Added toast messages to some of screen above for example register failed, login successful, etc. Created a Gmail account for our project and linked it with firebase. Worked on settings activity and added brightness seek bar with permissions, Version name, check for update function for the app. Did shared preferences for the login page/registration page. Helped make the French file and with translating strings file. Created landscape for the screens. Added styles which contained the action bar remover command for the login screen, password screen, register screen. I helped Jeremy little bit with the dark mode because when we combined our project the dark mode stopped working. Made an icon for the app and put it on the app icon. I also added things like username, email, password and confirm password restrictions. (username cannot have numbers, email must an email format with @ etc, password must have 7 characters, should contain 1 upper case and a special character (@#$%*&), and the confirm password must match). I also added a style to the register button when its clicked it changes colors. For the summary doc I did the part a,b,g. Made all the drawables.

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. Created all the fragments for the bottom navigation tab. Moved old activity-based app into a fragment based one. Implemented toolbar functions.

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.

F) Peer Review

G) App instructions

The app begins with a logo display, then goes to the login screen. If you wish to create an account there is a link to do so. Enter your email address, your name and a password for your account. If you already

have an account and forgot the password, click the forgot password link. Enter the email registered to your account and you will receive an email to reset the password. When you login, the app is straight forward. You can view data readings on the home page or read a little about the group in the about us page. The top toolbar allows you to either refresh the readings, or logout from the app. In the settings tab, you can change the app into night mode or regular mode by clicking a toggle. The user can also check for an update with the update button.

Account to login to app:

Email: hakisharifi@gmail.com

Password: Haki1@@@