

Milestone 4

Implementation of The Features - Phase 2

CS-427 : Fall 2023 : Team 11

Member Details

Name	NetID	GitHub ID	Role
Ratul Saha	ratuls2	ratulsaha778	Manager
Chua Swee Kwang	skchua2	Sweekwang	Tech Lead
Yue Yue	yueyue4	Luna-4314	Developer
Justin Williams	justin50	juswil	Developer
Felicia Liu	liu318	FeliciaLiuLiu	Developer
Arindam Chakraborty	arindam4	arintheone89	Developer
Farhan Qadir	fma6	farhanqadir122	Developer
Jonatan Ramirez-Marroquin	jramir83	jramir83	Developer

Distribution of Implementation work

Tasks

1. Implement Weather, Map Button and remove the show map (Ratul) (Farhan)
 - a. Need to modify RecyclerViewInterface
2. Check if Champaign, Chicago, New York, Los Angeles, and San Francisco is in the City List, else need to be added with their long and lat. (Maybe shift to the top so that we can click it easily) (Felicia, Ratul)
3. Retrieve weather information. (Make API Calls) (Justin) (Luna) (Ratul)
4. Display weather information. (Jonatan)
5. Convert the UTC time to city local time. (Arindam) (Farhan)
 - a. **timezone** Shift in seconds from UTC
 - b. **dt** Time of data calculation, unix, UTC

6. Implement an interactive map. (Wes)
7. Prepare deliverables. (Luna) (Ratul)

API Services Used

Weather: <https://openweathermap.org/current>

Custom call URL for a city:

<https://api.openweathermap.org/data/2.5/weather?lat=40.116421&lon=-88.243385&appid=b53484e2a4a9b0f815372c00b8590e8d>

Map: <https://developer.android.com/reference/android/webkit/WebView>

Custom call URL for a city (Google Map API with embedded iframe):

<https://maps.google.com/maps?q=> + {city latitude} + "," + {city longitude}"&t=&z=15&ie=UTF8&iwloc=&output=embed"

Github Repo

Team project github repo location: <https://github.com/Sweekwang/CS427-f23-team11/tree/main>

Weekly Status Report

Updated weekly status report:

<https://github.com/Sweekwang/CS427-f23-team11/blob/main/README.md>

Github Activities

Team members' github repo activities can be seen here:

<https://github.com/Sweekwang/CS427-f23-team11/activity>

Application Execution Video

Our demo is on this Google drive link:

https://drive.google.com/file/d/1GVTpL_mxNI4lCGXWajZKBnCK79u_x4k0/view?usp=sharing