

Saira Alam

Term Project

Weather app-

This is a simple weather application. Its features are that the user can search for the temperature, and current conditions of any location in the world. The user will also receive a notification in the morning that reminds them to check the weather.

The code features the Main activity class which handles the toolbar search and calls the fragment. The Receiver and Service class are used in order to create the notification which works even if the app is not open. City Preference class uses shared preferences and saves the default location. RemoteFetch is used to fetch the data and the fragment updates the textfields with the information.

Just code topic	Module name	App feature
-Shared Preferences		Shared Preferences was used to save the user's preferences for city.
Alarm Service		The Service is used to build the notification.
Notification		A notification is delivered at a specific time to the user's phone even if the app is not clicked.
Broadcast Receiver		The Broadcast Receiver is used for the notification. The receiver starts an intent.
Fragments		. In the fragment, the textfields used to display the weather information are declared. The ttf file that was used to get the icons is also declared. The getJSON function from RemoteFetch class is called. If it returns the value 200 then it will invoke the renderWeather

		function. If not, an error message will be displayed. The renderWeather function is the one that updates the values of the text fields with the data that was received.
Permissions		The Internet and screen orientation permissions were set.
JSON		Data was retrieved in JSON format