Identify a problem statement. Upload Pdf file containing problem statement, flow diagram and URL of github/gitcode for your own implemented code in selected subdomain.

Problem Statement 1:-

Create a Complete Static apk of Login/Signup Interface using java and Store, Retrieve and Update the data from Database like SQLite or Firebase and Consuming the API in apk.

Flow Diagram:

1. **Set up my workspace**

   This is the phase I already finished: Install Android Studio and DB Browser and created a project.

2. **Written my app**

   Now from the Workspace, Android Studio has provided me a variety of tools and intelligence to help me work faster, quality code, designing a UI, and created a resources for different device types and creating the database for retrieving, updating and inserting the data, and after Login Activity there is a API called whether.org which is consumed by apk for the weather Detection of any location by using the Retrofit Library. Activities: Signup, Login, HomeActivity

   Build and run

   During this phase, I have build my project into a debuggable APK package that I can install and run on the emulator or an Android-powered device.

   I can also begin customizing my build. For example, I can create build variants that produce different types of APKs from the same project, and shrink my code and resources to make this APK file smaller.

Debug, profile, and test

This is the iterative phase in which I have continued writing my app but with a focus on eliminating bugs and optimizing app performance. Of course, by creating tests helped me in those endeavors.

Github Link of the Project:-

https://github.com/Utkarsh-Gangwar/android-login-and-register-

Thank you