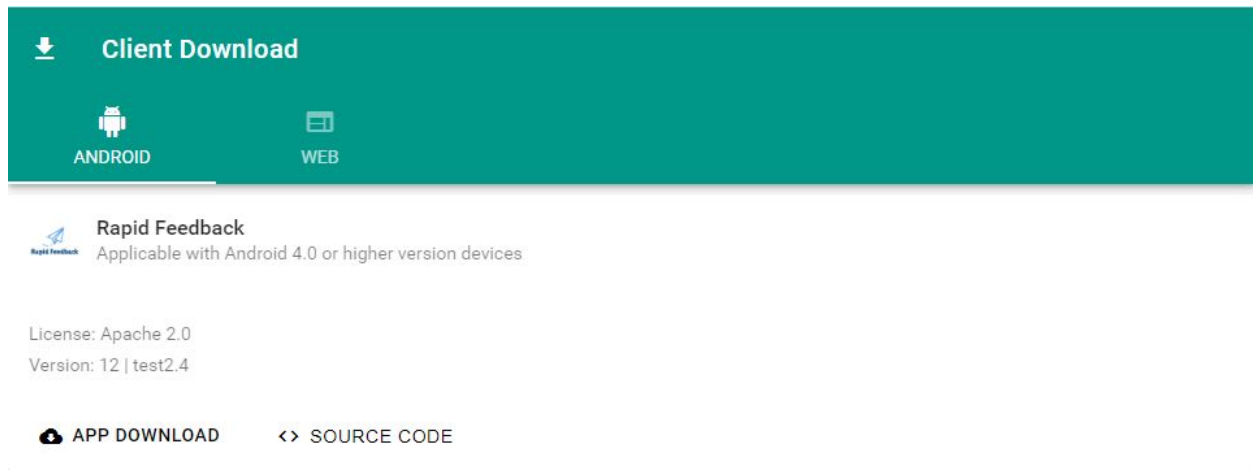


Deployment Documentation

RapidFeedback Android Application

Client Application Distribution

The application will be distributed via a website where the user will have to [opt-in for installing unknown apps](#) on their android device.



We will also email the APK to the client as an additional measure.

Another way to distribute the client application is through the Google Play Store (<https://support.google.com/googleplay/android-developer/answer/113469?hl=en>).

Client Deployment

```
git clone https://github.com/SnowAndStrawberry/COMP90082-Rapid-Feedback.git
```

The front-end code is ideally developed using Android Studio (<https://developer.android.com/studio>).

This IDE will allow for easy building and deployment of the APK file.

Should you want to deploy without the IDE, you will have to:

1. Install the Android SDK.
2. Build the project using the gradlew.sh or gradlew.bat wrapper found under the VERSION1 folder; e.g. ./gradlew.sh

Important: Make sure to change the host address in the file
VERSION1/app/src/main/java/main/CommunicationForClient.java before building.

```
public CommunicationForClient(AllFunctions functions) {  
    host = "INSERT IP ADDRESS OF BACKEND .WAR FILE";  
    client = new OkHttpClient();  
    this.functions = functions;  
}
```

Server Deployment

```
git clone https://github.com/xiyang2333/82Project-backend.git
```

The application server was developed on an AWS EC2 instance and deployed using Tomcat7
(<http://tomcat.apache.org/>).

The project folder contains these two scripts:

1. [install.sh](#): Installs and runs Tomcat7 in the project directory and moves the server folder into the /usr/local directory. This script should run once.
2. [back-end.sh](#): Run this script to build the back-end .war file, this should create "RapidFeedback2_war.war" in the project directory and copies it and rapid-feedback.html into the Tomcat server directory. This script should run every time you rebuild the project.

The application distribution page can be accessed through:

```
YOUR-IP-ADDRESS:8080/webpage/rapid-feedback.html
```

Address of backend .war file:

```
YOUR-IP-ADDRESS:8080/RapidFeedback2_war/
```

The client APK file should be kept in this directory after installing the Tomcat server (can be changed by editing the rapid-feedback.html file):

```
apache-tomcat-7.0.104/webapps/downloads
```

Additional Information

Make sure to have the Java SDK installed in your work environment.

The back end can be deployed in other ways with other servers, using Tomcat is simply a suggestion.