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Moodmie support

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# Introduction

This document will explain how to use the moodmie project on your own mobile device and what necessary steps you need to take to ensure a successful run.

# Necessary Software and Instructions

## Android Studio

Link: <https://android-developers.googleblog.com/2021/07/android-studio-arctic-fox-202031-stable.html>

The specific version used for this project development is the Android Studio Arctic Fox version. Please ensure that you download the appropriate version to ensure optimal compatibility. Android studio will be used to edit the source code sections where the URL needs to be changed to your machines own xampp server address and python flask server. If you will be running everything on the cloud, then you can provide a normal URL as well, although you will have to adjust the file paths yourself for your own specific environment.

Once you have android studio opened, open a new project using search for project/folder and locate the Moodmieapp folder and inside it choose the app folder. This will open the entire project directory. The Java classes that will require changes for the URL are listed below (make sure you read comments for help):

* Login
* changePasswords
* FacialRecommendations
* InputRecommendations
* camInput
* DashBoard
* SignUp

Once that is done, on your android device, enable developer mode and turn on USB debugging (for newer devices also enable Install apps via USB). Connect your phone to your machine and after a few moments it should appear at the top middle of the android studio panel. Hit the green arrow icon which means run, this will start the gradle build and install the app on the phone.

## XAMPP Server

Link: <https://www.apachefriends.org/download.html>

The specific version of XAMPP server that was used for this project is the 7.4.29 / PHP 7.4.29. XAMPP is used to start an Apache server to run the PHP files necessary for the project. Once you have installed the xampp server. Make sure to move the moodmierecommenderphp folder into the htdocs directory inside the xampp directory. After that, run your xampp control panel and you should see two buttons next to Apache and MySQL that should say start. Press on both and it should turn green. Go to your browser and type localhost or your machines local ip address.

The xampp dashboard should come up. Navigate to the phpMyAdmin panel. Once the panel loads up, go the import section and choose the moodmie.sql file inside the database folder. This should import the entire database for user and movie data onto the server. Keep the server running. Instructions are also present inside the folders for both database and moodmierecommednerphp.

## Python and Visual Studio Code

Link: <https://code.visualstudio.com/download>

VS code will be the IDE which will be used to run the python files for the backend.