TaskManagerApp Android Studio Installation

Downloading and Installing Android Studio:

1. Open a web browser and navigate to the official Android Studio website (https://developer.android.com/studio).

2. Click on the "Download" button to download the latest version of Android Studio for Windows.

3. Once the download is complete, locate the downloaded file and double-click on it to start the installation process.

4. Follow the on-screen instructions provided by the Android Studio installer.

5. Choose the desired installation options and select the components you want to install. Make sure to include the Android SDK and the emulator.

6. Click "Next" and then "Finish" to complete the installation process.

Opening the "ADHDTaskManagerApp" Project:

1. Launch Android Studio by double-clicking its icon on the desktop or searching for it in the Start menu.

2. If this is your first time opening Android Studio, it may prompt you to import settings or install additional components. Follow the on-screen instructions as necessary.

3. Once Android Studio is fully launched, you will see the Welcome screen. Select "Open an existing Android Studio project." (Figure 1)

4. In the file browser window that appears, navigate to the location where you have the "ADHDTaskManagerApp" project stored.

5. Select the project folder and click "OK" to open it in Android Studio.

Syncing Gradle Files and SDK:

1. After opening the project, Android Studio may need to sync the Gradle files. Wait for the process to complete. If there are any errors, follow the on-screen instructions to resolve them.

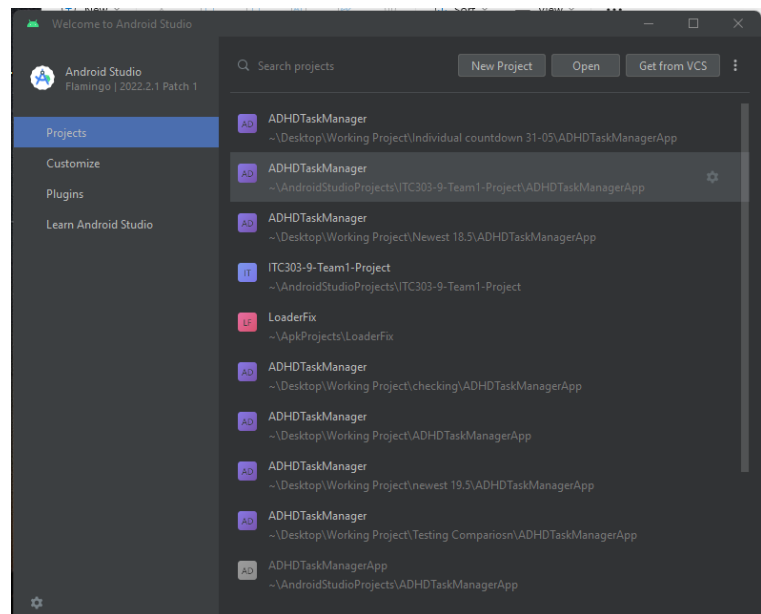2. Once the Gradle files are successfully synced, proceed to configure the Android SDK.

Figure 1

3. Click on the "SDK Manager" icon in the toolbar or go to "File" > "Settings" > "Appearance & Behavior" > "System Settings" > "Android SDK."

4. In the SDK Manager window, select the appropriate SDK version for your project. Make sure to install the required Android versions and any other SDK components necessary for the project. (Figure 2)

5. Click "Apply" and wait for the SDK components to download and install.

6. Ensure to sync projects with gradle files

Installing the Emulator in SDK Settings:

1. With the SDK Manager still open, navigate to the "SDK Tools" tab.

2. Check the box next to "Android Emulator" to select it.

3. Click "Apply" to initiate the installation of the Android Emulator component.

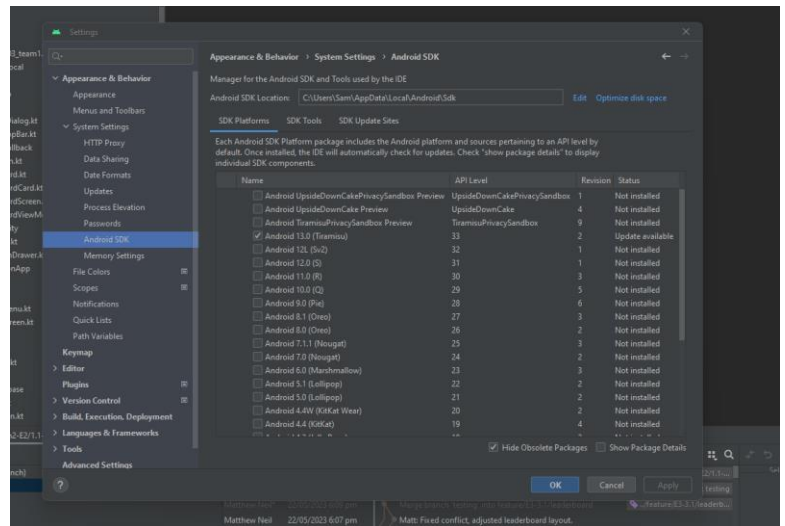4. Once the installation is complete, close the SDK Manager window. (Figure 3)
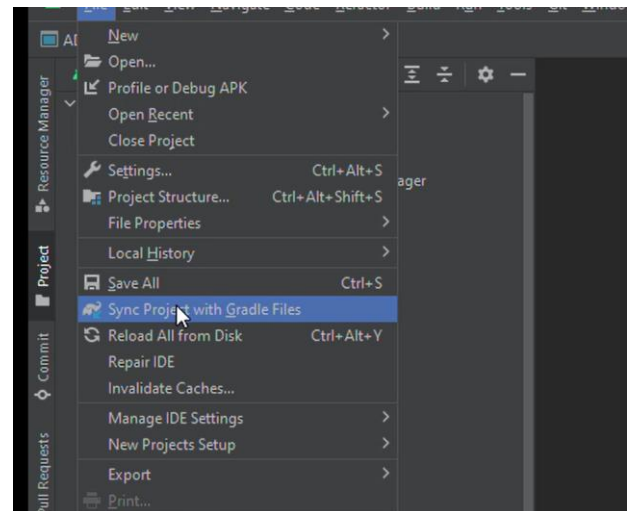
Figure 2

Running MainActivity in the Emulator:

1. Ensure that the emulator is configured and set up correctly.

2. In Android Studio, navigate to the toolbar and locate the "AVD Manager" icon. Click on it to open the Android Virtual Device (AVD) Manager.

3. If you haven't created an AVD yet, click on the "Create Virtual Device" button and follow the on-screen instructions to set up a virtual device.

4. Once the AVD is created, select it from the list of available virtual devices and click the "Play" button to launch the emulator.

5. After the emulator boots up, go back to Android Studio.

Figure 3

6. In the toolbar, you should see a dropdown menu with the available deployment targets. Select the emulator device you just launched. (Figure 4)

7. In the project explorer panel, navigate to the "ADHDTaskManagerApp" project and expand it.

8. Open the "MainActivity" file, which is usually located in the "app> java> com.csu_itc303_team1.adhdtaskmanager>Mainactivity directory of the project.

9. Right-click on the "MainActivity" file and select "Run" from the context menu. Alternatively, you can use the keyboard shortcut Shift+F10.

10. Android Studio will build the project and launch the application in the emulator.

11. Wait for the emulator to start and for the application to install and launch. This process may take a few moments.
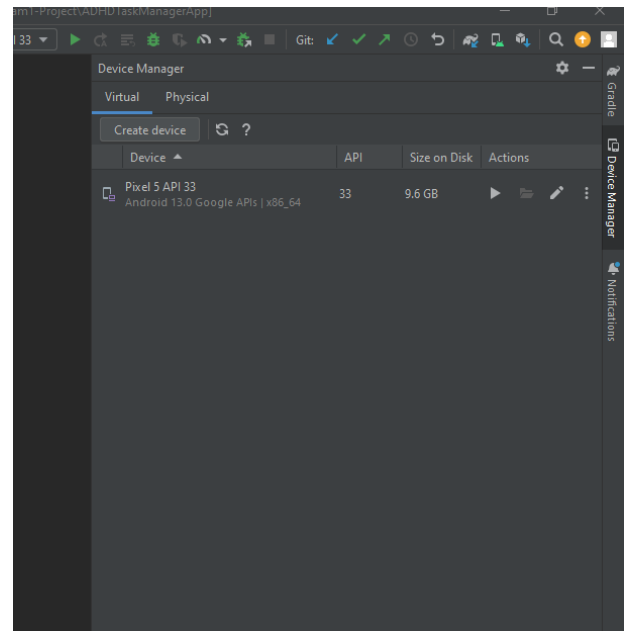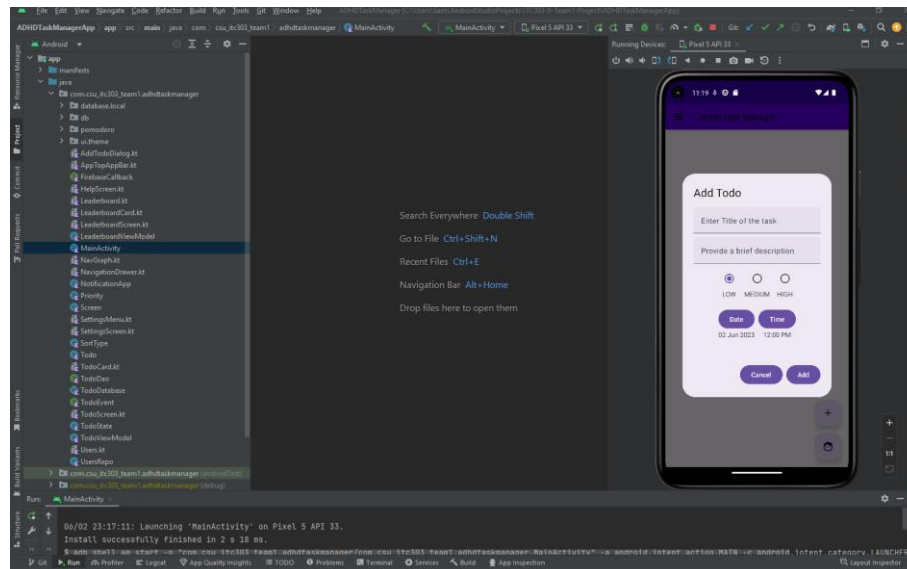

Figure 4

Figure 5