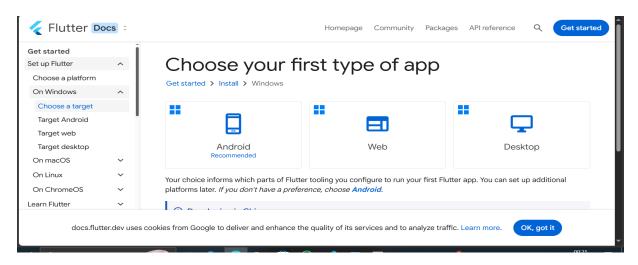
MAD & PWA Lab Experiment 01

Aim: To install and configure the Flutter Environment

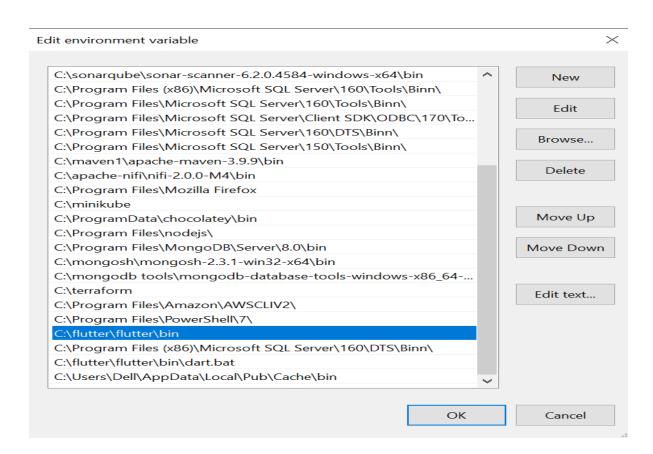
Theory:

Flutter is an open-source UI toolkit from Google used for building cross-platform apps. Setting up Flutter involves installing the SDK, configuring environment variables, and setting up an IDE like VS Code or Android Studio.

Step 1: Download the installation bundle of the Flutter Software Development Kit for windows. To download Flutter SDK, Go to its official website https://docs.flutter.dev/get-started/install, you will get the following screen.



- Step 2: Next, to download the latest Flutter SDK, click on the Windows icon. Here, you will find the download link for SDK.
- Step 3: When your download is complete, extract the zip file and place it in the desired installation folder or location, for example, C: /Flutter.
- Step 4: To run the Flutter command in regular windows console, you need to update the system path to include the flutter bin directory. The following steps are required to do this:
- Step 4.1: Go to MyComputer properties -> advanced tab -> environment variables. You will get the following screen.
- Step 4.2: Now, select path -> click on edit. The following screen appears



Step 4.3: In the above window, click on New->write path of Flutter bin folder in variable value - > ok -> ok -> ok.

Step 5: Now, run the \$ flutter command in command prompt.



Name: Mohit Kerkar Div: D15C Roll No: 23

Now, run the \$ flutter doctor command. This command checks for all the requirements of Flutter app development and displays a report of the status of your Flutter installation.

Step 6: When you run the above command, it will analyze the system and show its report, as shown in the below image. Here, you will find the details of all missing tools, which required to run Flutter as well as the development tools that are available but not connected with the device.

Step 7: Install the Android SDK. If the flutter doctor command does not find the Android SDK tool in your system, then you need first to install the Android Studio IDE. To install Android Studio IDE, do the following steps.

Step 7.1: Download the latest Android Studio executable or zip file from the official site.

Step 7.2: When the download is complete, open the .exe file and run it. You will get the following dialog box.



Conclusion: A properly configured Flutter environment enables smooth development, testing, and deployment of apps like the Society Profile app.