Setting Up Flutter Development Machine

Setting up

First Set up the following tools

- Visual Studio Code setup

- Flutter
- Android studio
- xCode

Building the app

- Get the correct branch from SmartGit (you may create a new branch from here)
- Download the corresponding Google Play upload key from Android App Keystore
- Place the .jks in a folder such as '~/keystore/'
- Create a file in `project folder/android/` called key.properties and write in the file

```
storePassword=<password>
keyPassword=<password>
keyAlias=key
storeFile=<file path to .jsk file>
```

- In Visual Studio Code, choose the device you will run the code and start debugging by pressing `Run > Start Debugging` or pressing F5

> ⚠️ If you fail to build to ios try right clicking on the `ios folder` and choose `Open in Xcode` Make sure that the account is correct to sign the project, and the correct device is selected on the top to build the code.

> ⚠️ If you are using an Apple Silicon Macbook and face build errors with CocoaPods try installing ffi with
>
> ```
> sudo arch -x86_64 gem install ffi
> ```
>
> then re-install dependencies with
>
> ```
> sudo arch -x86_64 gem install ffi
> ```
>
> see Running CocoaPods on Apple Silicon (M1) - stackoverflow

Possible Problems and Issues

Have a look at the articles for Flutter at our Staff Wiki

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