ACADEMY (Flutter App)

Course Based Learning Management System

Developer Documentation

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1. Introduction

a. Welcome to the Academy Mobile application. Admin should pay a bit more attention while reading this documentation.

2. Prerequisites

a. For running the application, Admin has to fill some prerequisites. Like:

    i. Admin should have Academy Web Application hosted on a live server.

    ii. The web application must be in the **latest version always**.

3. Syncing Academy Flutter App with Academy Web App

a. If admin does have the Academy web application, he can sync the mobile app now.

b. Download the flutter app from codecanyon.

c. Install flutter on your platform using this link - https://flutter.dev/docs/get-started/install

d. Download the **Android Studio or VSCODE**.

e. Open the downloaded mobile app with **Android Studio/VSCode** ide.

f. Open the file name "constants.dart". Which is located at "**lib/**".

g. Move to line number **4**.

h. You will find a variable declared called "BASE_URL"

i. Provide your hosted academy application on the placeholder "your_application_url_will_be_here". Make sure it's inside the quotation marks. Lets say if your application is hosted on http://www.academy-sample.com, after entering your application url, it will look like this:

const BASE_URL = "http://www.academy-sample.com"

4. Build the application
    a. If you have done this good so far, You will find the build option on top navigation menu.
       Go to terminal. Run flutter build apk from terminal. It will build a release apk.

5. Distribution
    a. Manual Distribution
        i. If you have built it successfully, you will find the apk file inside : "**build/app/outputs/flutter-apk//app-release.apk**". You can distribute this application manually by hosting it on your server or somewhere else.

    b. Google Playstore
        i. You can host the application on Google Playstore as well. You will find tons of supporting videos and blogs on the internet like this
           https://www.youtube.com/watch?v=dR04ArAhxd4&ab_channel=GoogleDevelopers
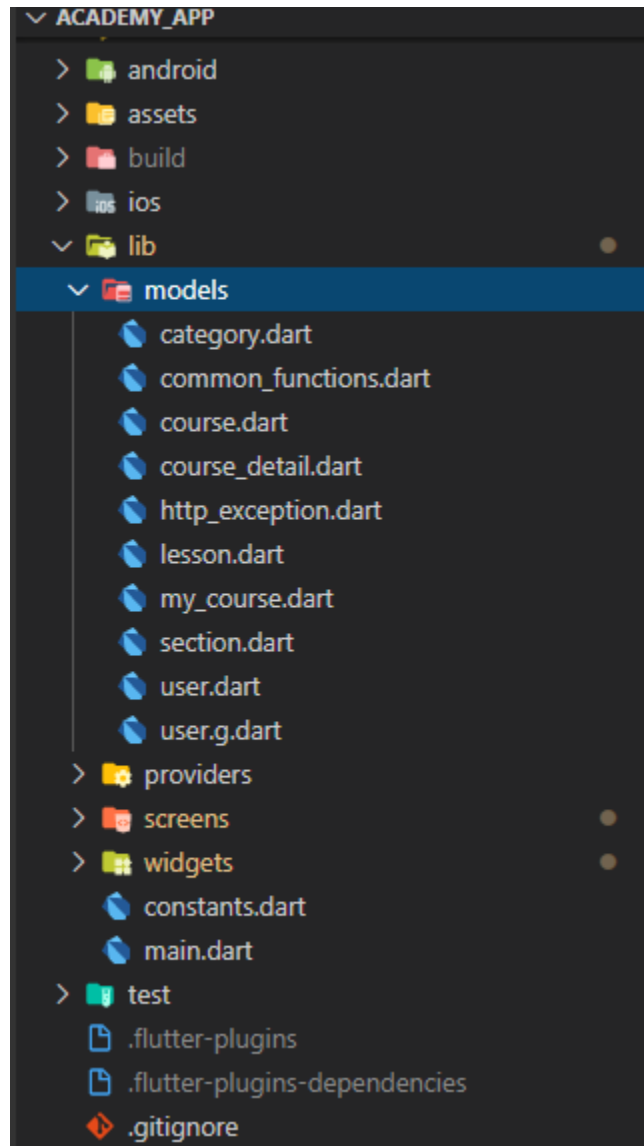   Follow which ever you feel easier.
    c. App Store iOS
        i. You can host the application on Apple Store as well. You will find tons of supporting videos and blogs on the internet like this
           https://www.youtube.com/watch?v=MxejThYFDdY&ab_channel=DarranKelinske
           Follow which ever you feel easier.

6. Source code Structure
    a. Here is source code structure of Academy Mobile Application.

All the screens we've used is in the screens folder. All the providers are
inside providers folder. All the widgets we've

used are inside widgets folder. providers are holding all the servers. Models is holding all the data models we've used here. Main.dart file contains all the routes. Android and ios folders contain android and ios related files respectfully. You can open the contents of ios folder from xCode in order to change app icons and splash screens. Related android content in in the Android folder.