

Flutter Homework

Last revision: 2024-09-04

The purpose of this document is to describe the Flutter homework objectives and assessment. It also provides some examples of applications that could be used as starting point/inspiration

The homework is individual

Objective:

Use Flutter to clone existing / concept apps and, by doing so, use/explore Flutter UI widgets and basic navigation options

Demo

The homework will have a demo in class - just show the functionality and answer questions (if any)

Delivery

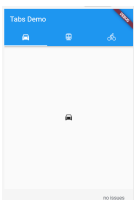
Code must be delivered via eLearning as it is an evaluation item, BUT the demo is an EVALUATION moment. As such, anyone is supposed to compile and run your project from your source code and the instructions in the code (e.g. in a readme file along with the code). MAKE SURE ALL DEPENDENCIES AND INSTALLATION DETAILS ARE INCLUDED

Submit them as a zip (please clean the Flutter project before "flutter clean") in the eLearning link

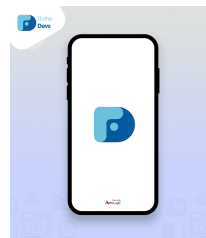
The application

The application should follow the features below. I suggest you select an existing application (e.g., Facebook) and try to mimic its UI behavior (your data/text/images can be static).

The application MUST have horizontal navigation i.e. slide/commute between different views at the same “logical level”



[Work with tabs](#)

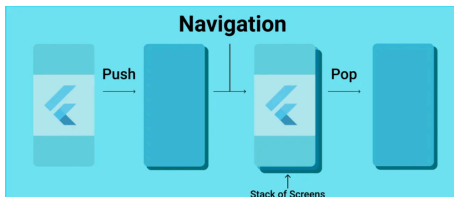


[Slidable Tile In Flutter](#)



[Use listviews](#)

The application MUST Have vertical navigation i.e. generic to detail view (pop and push views)



[Navigation and routing](#)

The application should be deployed on a device - in the browser is accepted but may imply penalization.

Assessment

The grid may suffer changes in terms of weight, but the factors are

- Is running: something running
- Running in device: running in an actual Android phone
- Provide horizontal navigation
- Provide vertical navigation
- Realistic or basic UI: using a realistic look or a plain UI
 - e.g. based on and similar to demo counter UI
- Realistic or basic resources: fully static data? or some adaptability?
 - e.g. have a list where you can add/remove dynamic items
- Extra:
 - Unexpected integrated features - sensors? Maps? Other that may be useful in the project

Delays in the demo will automatically have a 1 point in 20 regardless of the quality of the work.

Samples

<< TO BE COMPLETED >>