

Take Home Assignment 1

12 February 2021 11:16

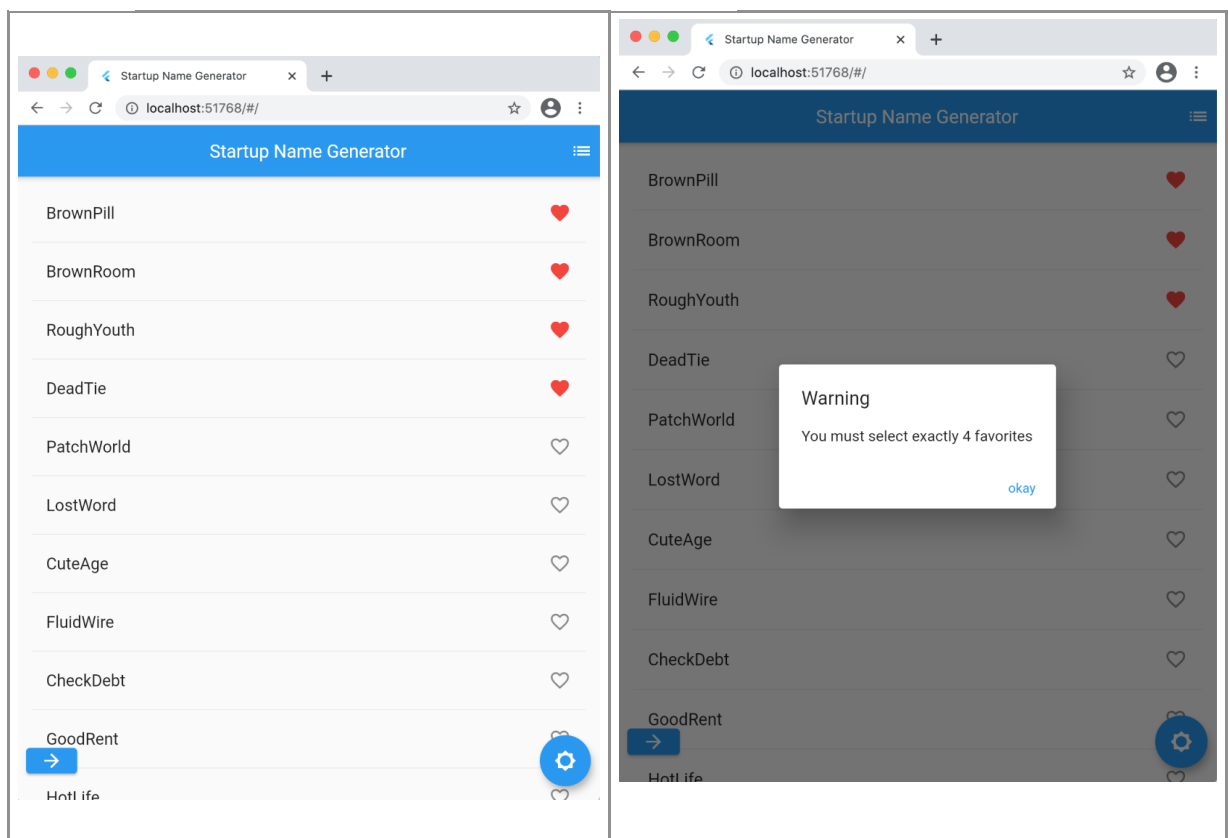
Total points: 15.

In this take home assignment, you will use all the concepts of Flutter that have been covered in previous lab assignments. In addition, you will make use of passing values between screen and some basic animations.

In this assignment, you will develop a two-screen web app.

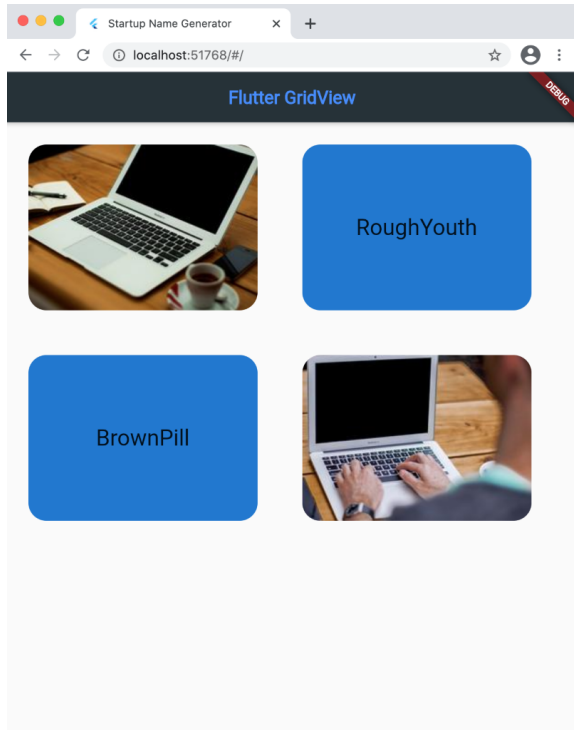
First screen:

- Just like the first Lab assignment, the first screen will show a scrollable list of words from which you can select your favorites.
- The functionality to switch themes (dark/light) must also be present.
- In addition, a button must be placed on the bottom – clicking which will take you to the second screen.
 - At the button click, your app must check if exactly 4 favorites were selected. If not, an Alert dialog must pop-up with a corresponding message.



Second screen:

- The second screen must receive the list of 4 favorites selected in the first screen.
- It will have 4 rectangular elements – 2 rows, 2 columns.
- Each rectangular element will support a flip-animation on click/tap.
- On the back side, each rectangular element will be assigned one of the favorites received from first screen.
- On the front side, each rectangular element will be show some image. All 4 images must be different.
- The animation must occur individually on each rectangular element.
- Place a button at bottom of second screen that navigates back to the first screen.



Demo of the app:

<https://drive.google.com/file/d/1Q7qvEd1SLFjAw3MYA5htvSupJ49akeE/view?usp=sharing>

Deadline:

Sunday Feb 21 11.59 pm. (9 days)

How to submit:

Record a video of your app (just like the demo video I have provided). Upload the video on your IIITN account Google Drive and share the link. DO NOT record the video using smartphone. It will not be accepted. The demo video can easily be recorded using Zoom/WebEx by sharing screen and recording.

The link to Google Drive video must be pasted into the assignment submission on Moodle.

What to submit:

All the code inside main.dart

Important: Make a copy of your main.dart file. Rename the copy in the format of your roll no BT19XXYY.txt. Use you actual roll no. Upload the renamed file.

- Include your name and roll no at the top of your BT19XXYY.txt file (only) in the form of comments. Please DO NOT upload any other file. Please DO NOT zip your file – simply the renamed main.dart