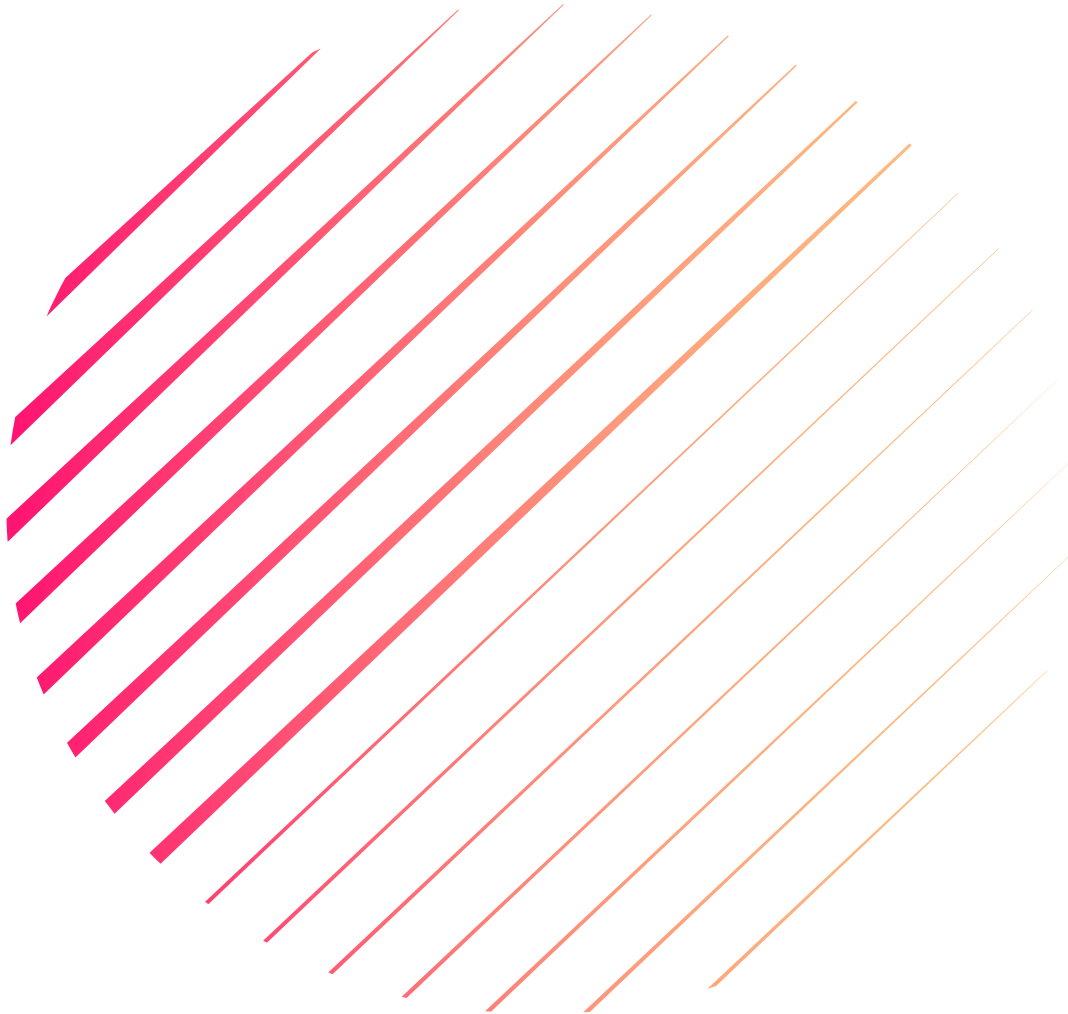


Mental Health Diagnosis

Faculty of Information and Communication Technology



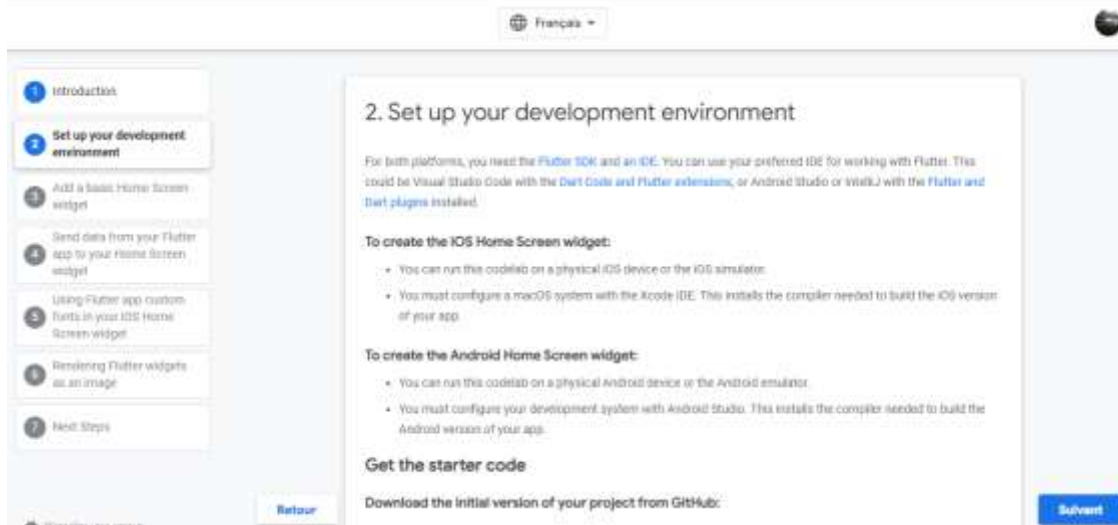
03/02/2024
PMH

Gokhool Diren
Mr Shiam Beehary

Task 1

Adding a Home Screen widget to your Flutter App

We'll create a home widget app to display quick information on the phone screen. We'll follow the code lab instructions and utilize codes available on GitHub to build the app for the home widget demo.



Get the starter code

Download the initial version of your project from GitHub:

From the command line, clone the GitHub repository into a flutter-codelabs directory:

```
git clone https://github.com/flutter/codelabs.git flutter-codelabs
```

After cloning the repo, you can find the code for this codelab in the flutter-codelabs/homescreen_codelab directory. This directory contains completed project code for each step in the codelab.

Open the starter app

Open the `flutter-codelabs/homescreen_codelab/step_03` directory into your preferred IDE.

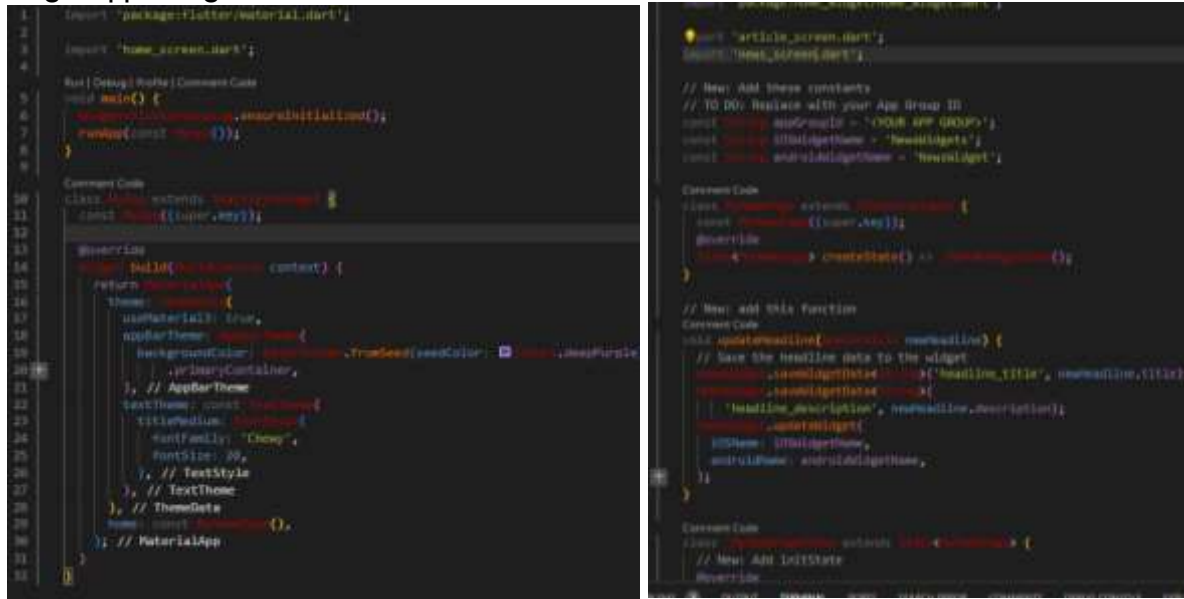
Install packages

All required packages were added to the project's pubspec.yaml file. To retrieve the project dependencies, run the following command:

```
flutter pub get
```

Regrettably, I faced a series of obstacles while attempting to utilize the homescreen codelab. Despite my best efforts, the functionality of this resource fell short of expectations, leaving me frustrated and disappointed. Moreover, my journey with the GitHub codes from Flutter codelabs proved equally challenging. I encountered numerous issues along the way, from compatibility issues to errors during the cloning process. Even after multiple attempts, the repository failed to clone successfully, forcing me to explore alternative methods. Ultimately, I resorted to manually cloning the repository to proceed with my project. Though these hurdles tested my patience and perseverance, they also presented valuable opportunities for learning and growth in navigating complex technical environments. unsuccessful, prompting me to resort to manual cloning.

In the lib folder, four pages were created to facilitate various functionalities within the application. Firstly, the main.dart file serves as the entry point and orchestrates the overall structure of the application. Secondly, the Home_screen.dart file is designed to display the home screen of the application, providing users with a central hub from which they can navigate to other sections. Thirdly, the Article_screen.dart file is dedicated to presenting detailed articles or news pieces to users, offering them in-depth information on specific topics. Lastly, the News_screen.dart file serves as a platform for users to browse and access available news articles, serving as a central repository of news content within the application. Through these distinct pages, users can seamlessly navigate and engage with the diverse range of news content offered by the application. home widget appearing on the home screen of the emulator



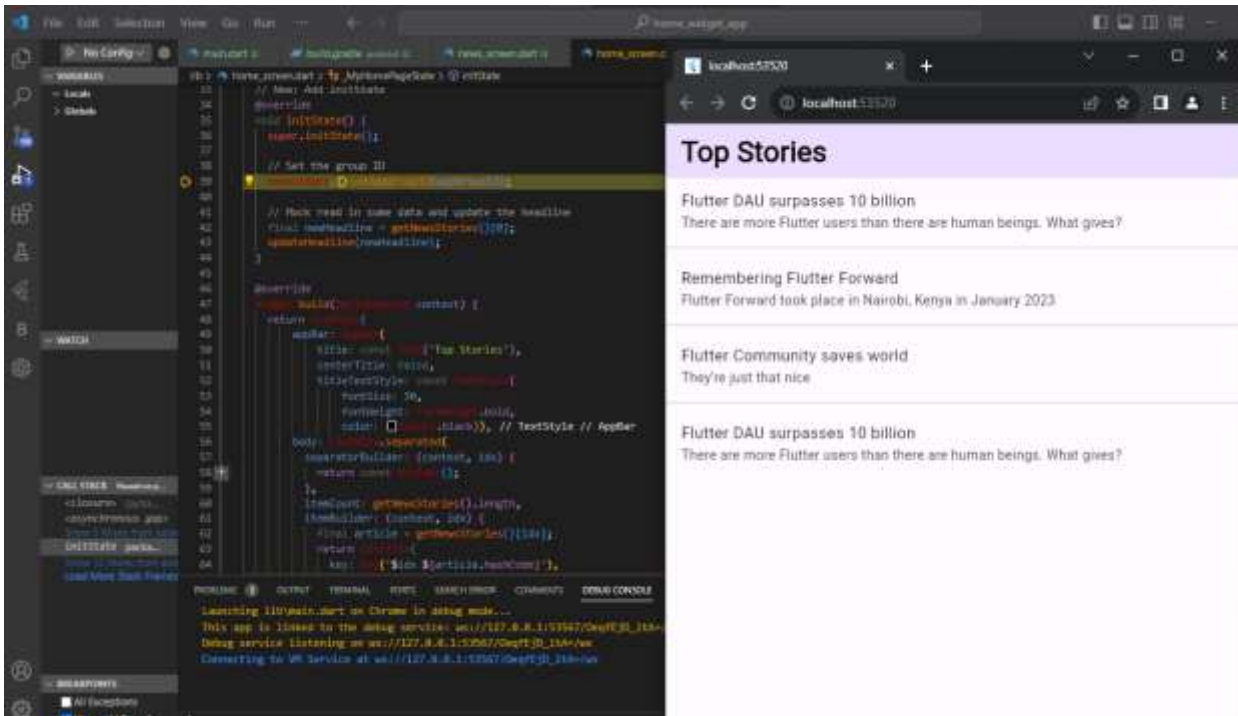
```

1 import 'package:flutter/material.dart';
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3 import 'home_screen.dart';
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5 void main() {
6   runApp(MyApp());
7 }
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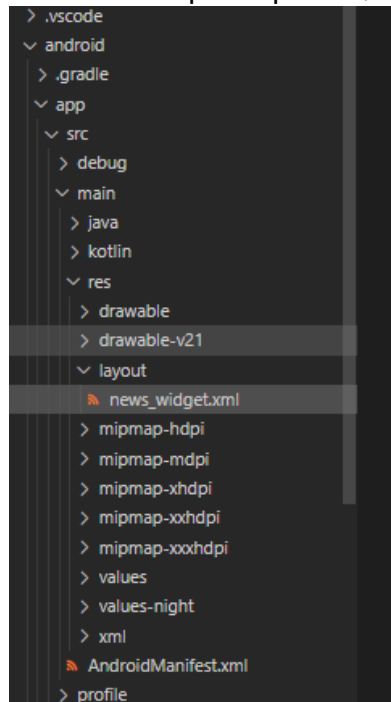
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Testing

In conducting a comprehensive assessment of the news application, I engaged in rigorous testing to evaluate its functionality, usability, and overall performance. Throughout the testing process, I focused on navigating various features and functionalities, paying close attention to user interface responsiveness, content accessibility, and overall user experience. The app's main components, including the Home_screen, Article_screen, and News_screen, were thoroughly examined to assess their effectiveness in delivering news content to users. From the initial launch to browsing through news articles and accessing detailed information, the app demonstrated commendable stability and efficiency. The intuitive interface and smooth navigation contributed to a seamless user experience, enhancing the overall appeal and usability of the application. In conclusion, based on the testing outcomes, the news application exhibits strong potential to meet user needs and expectations effectively, positioning it as a reliable platform for accessing current news updates.



- I. Following the setup process, the next step involves creating the layout folder within the res folder, located at android/src/main/layout. Within this layout folder, we proceed to create a new file named news_widget.xml. This file will serve as the layout resource for the news widget, providing the necessary structure and design elements for its visual presentation. By organizing our resources in this manner, we ensure a systematic and efficient development process, facilitating easy access and management of layout files within the application.



```

<TextView
    android:id="@+id/headline_title"
    style="@style/Widget.Android.AppWidget.InnerView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:background="@android:color/white"
    android:text="Title"
    android:textSize="20sp"
    android:textStyle="bold" />

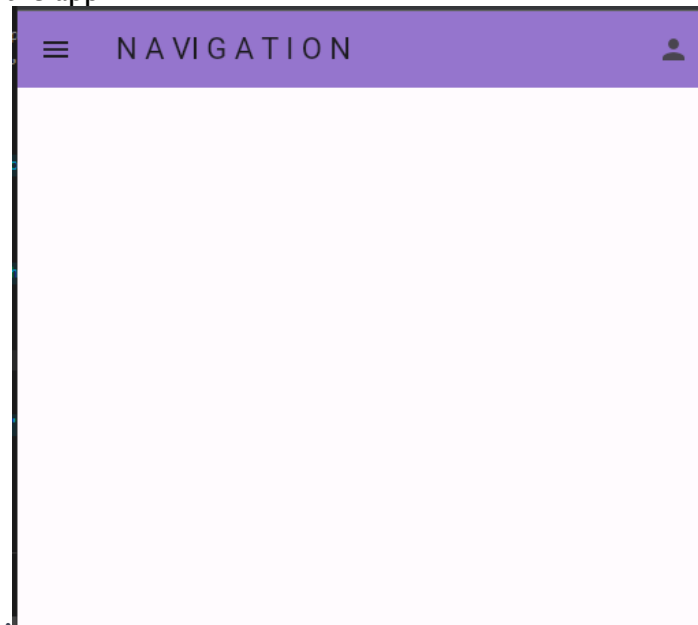
<TextView
    android:id="@+id/headline_description"
    style="@style/Widget.Android.AppWidget.InnerView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/headline_title"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="4dp"
    android:background="@android:color/white"

```

After adding all the necessary dependencies and updating the required files, the next step is to run the app. By initiating the app, we can test the changes made and ensure that the updates are functioning as intended. Running the app allows us to evaluate its performance, identify any potential issues or errors, and verify that the new features or modifications have been successfully integrated. This crucial step in the development process enables us to iteratively refine and improve the app, ensuring its readiness for deployment to users.

Task-2

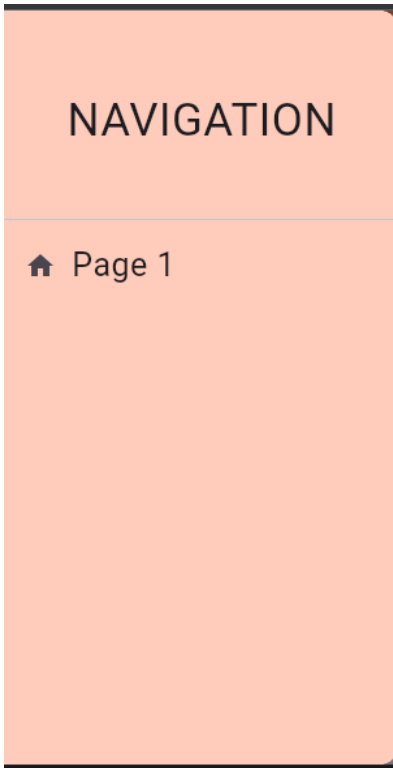
Employ the Dart files provided to create a multi-screen application in Flutter. Integrate routing and tab navigation for smooth transitioning between different screens, ensuring a user-friendly experience throughout the app



To enhance user interaction in our Flutter application, we'll implement a menu icon that, upon being pressed, will trigger the opening of a drawer widget. This drawer widget will provide additional options or navigation within our app.



Next, we'll introduce a new page named "first_page.dart" to our Flutter application. Within the menu, we'll include options corresponding to different pages, each representing a distinct location within our app. These pages will be organized as items within a list, facilitating easy navigation for users.



In this update, I've included an additional page to our menu list, thereby enriching the navigational options available to users within our application. This expansion of the menu not only broadens the scope of accessible content but also enhances the overall usability and depth of the user experience. With the introduction of this second page, users now have an increased array of destinations to explore, fostering greater engagement and interaction with our Flutter application.

