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EXP 5

AIM: To apply navigation, routing and gestures in Flutter App.

Description :

1.GestureDetector -> Detects taps on the text "Sign up here."On tap, it navigates to the RegistrationPage using a global navigation service (locator<NavigationService>()).The text is styled using CustomText.

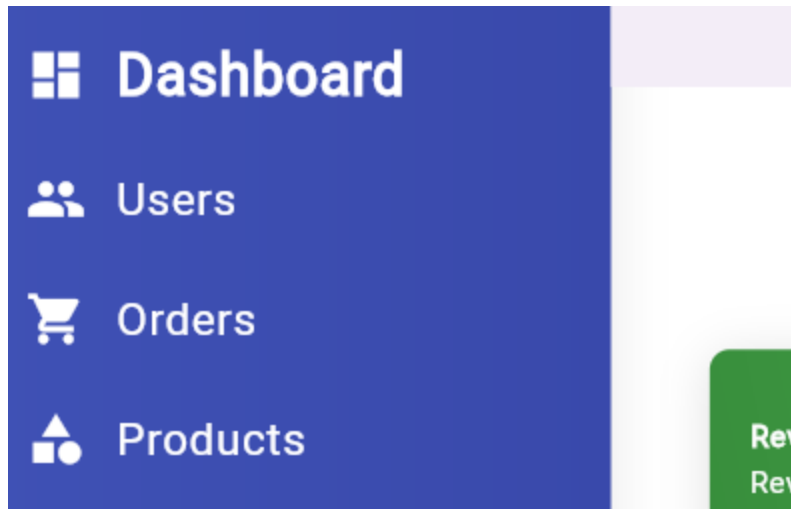
2.Route Management (generateRoute function) -> This function dynamically routes pages based on a given route name.

Checks the requested route (settings.name).Returns the corresponding page using `_getPageRoute`.

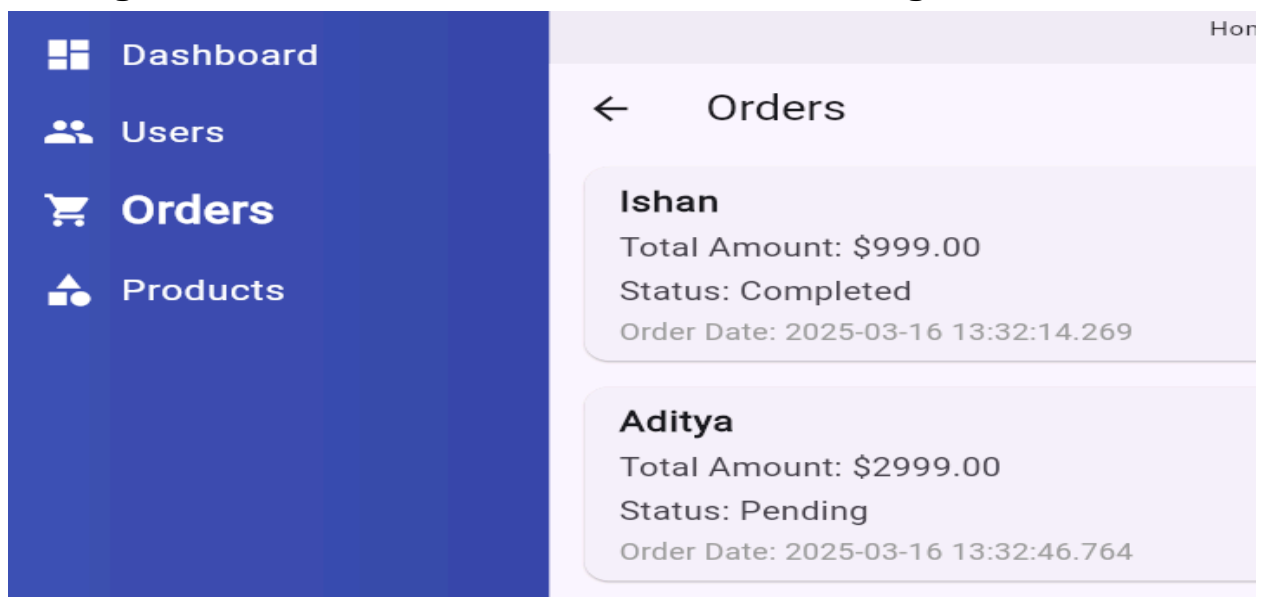
If the route is not found, it defaults to LoginPage.

Wraps a widget (page) inside a MaterialPageRoute. Ensures smooth navigation between pages.

Screenshots:



Clicking on the Orders button takes user to the Orders Page



Conclusion:

In this experiment, we implemented navigation, routing, and gesture detection in a Flutter app. Using Flutter's Navigator and route system, we enabled smooth transitions between screens. Gesture detectors were used to respond to user interactions like taps and swipes. This showcases how Flutter supports intuitive app navigation and interactive user experiences.

Github Link:

https://github.com/VedantDhoke/flutter_store/blob/main/lib/pages/login/login.dart

https://github.com/VedantDhoke/flutter_store/blob/main/lib/routing/router.dart

