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MAD Ex 5

Aim: To apply navigation, routing, and gestures in a Flutter app.

Theory:

Navigation, routing, and gestures are essential for building interactive and user-friendly Flutter applications. Navigation allows users to move between screens using the Navigator widget, which manages a stack of routes. Routing can be implemented using named routes or direct push and pop methods. Named routes help in organizing navigation, making the app structure more manageable.

Gestures enhance user interaction by detecting taps, swipes, and drags using the GestureDetector widget. Common gestures include tapping for button clicks, swiping for navigation, and pressing for additional actions. Flutter's built-in gesture recognition makes UI interactions smooth and intuitive.

By effectively implementing navigation, routing, and gestures, Flutter apps become more dynamic, resulting in seamless transitions and an enhanced user experience.

Conclusion:

Implementing navigation, routing, and gestures in a Flutter app enhances user experience by enabling smooth screen transitions and interactive controls. The Navigator and named routes simplify navigation, while the GestureDetector widget allows intuitive touch interactions. Properly integrating these features ensures a seamless, responsive, and user-friendly app.

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