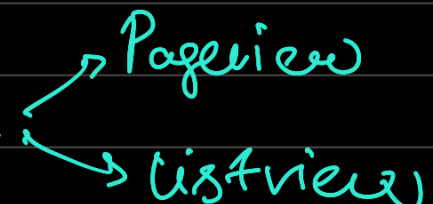


inheritance

widgets : Stateless & stateful

Reusable widgets

Theme data

builders like  Pageview  
listview

Page controller

dependencies

PubSpec

init state() setstate()

Media Query.

Expanded

Scrolling widgets

How I used oops like principles in the design.

Asynchronous like future await async

Controllers models

nested json

How api calls are made

Gesture detector

Progress indicators.

# Routing

Quick Craze is an online food ordering application that was built using flutter. It integrates essential features like user authentication, real time cart, order history management and address handling with Google maps api integration. This app is based on MVC architecture combined with repository pattern ensuring a clear separation of concerns. The Get package is used for state management, routing and dependency injection which helped in maintaining clean code.

The repository pattern is used extensively across the app where repos like auth repo, cart repo, location repo which abstract the data handling logic, such as api communication & local storage operations. This ensures that controllers only focus on handling business logic but not on data retrieval or storage. For example, auth controller handles the user authentication logic, delegating token storage and api calls to auth repo. Similarly, cart controller manages cart while cart repo ensures persistence of cart data using shared preferences.

The Getx state management system streamlines the reactive programming by enabling controllers to

update the UI elements automatically when the state changes. This eliminates the need for manual state handling and makes the app more expressive.