



# 120 Flutter Interview Questions

## part - 6

#flutterdaily



Sayed Abdulaziz

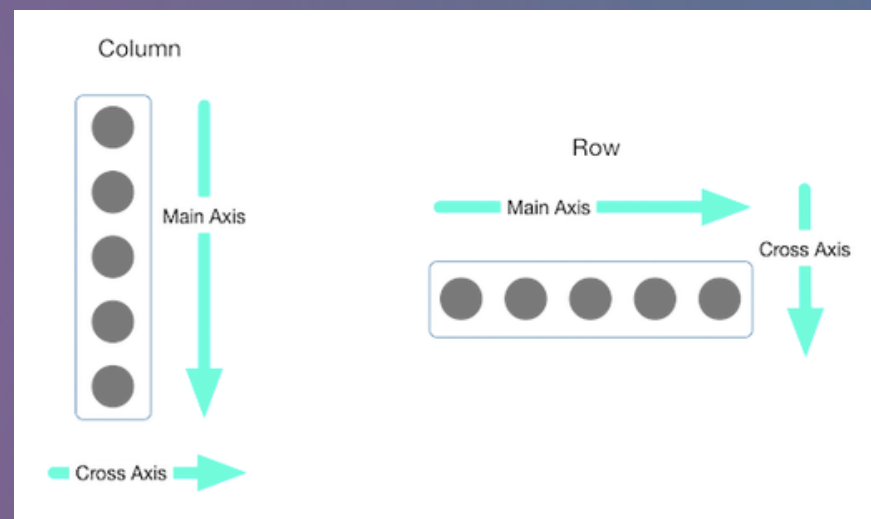


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## 51) Explain what `mainAxisAlignment` and `crossAxisAlignment` are?

The `mainAxisAlignment` property of a Row or Column widget is used to align the child widgets along the container's main axis. The main axis of a Row is horizontal, and the main axis of a Column is vertical.

The `crossAxisAlignment` property of a Row or Column widget is used to align the child widgets along the container's cross-axis. The cross-axis of a Row is vertical, and the cross-axis of a Column is horizontal.



## 52) Explain what the `setState()` method does?

The `setState()` method is a built-in method in Flutter that allows you to update the state of a `StatefulWidget`.

When a user interacts with a `StatefulWidget` (e.g. by tapping a button), the widget's state may need to change. For example, a button's text may change from "Like" to "Unlike" when pressed.

The `setState()` method is used to indicate that the widget's state has changed and that the widget should be "rebuilt" or "redrawn" on the screen with the updated state. The `setState()` method takes one argument, a callback function specifying the changes to be made to the widget's state.



## 53) How does Flutter handle storage and database management?

Flutter provides a built-in sqflite package for storing data locally on the device. It provides a way to store and retrieve data in a SQLite database. Additionally, there are other popular packages such as hive and shared\_preferences that provide more advanced features for storing and managing data.



## 54) How can we implement Splash Screen?

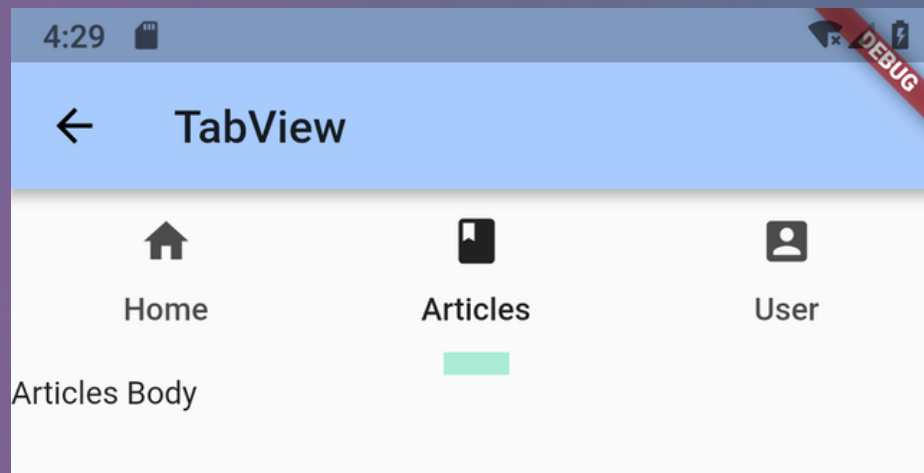
To implement a splash screen in Flutter, you can use the SplashScreen package. It provides a simple way to show a splash screen while your app is loading. You can customize the splash screen by providing a background color, logo, and text. Alternatively, you can create your own splash screen by using the Stack widget and placing an Image widget as the background, and then using a FutureBuilder widget to wait for the app to be initialized before navigating to the next screen.





## 55) How can we implement a TabBar?

To implement a TabBar in Flutter, you can use the TabBar widget. It provides a simple way to show a tab bar at the top of the screen containing navigation links or other options. You can customize the tab bar by providing different icons and labels for each option. Additionally, you can also use the Tab widget to create a more structured and customized tab bar.



## 56) How can we implement a Firebase Authentication in Flutter?

To implement Firebase Authentication in Flutter, you can use the `firebase_auth` package. It provides an easy-to-use API for using Firebase Authentication in your app. You can use it to authenticate users using different methods such as email and password, phone number, and more. Additionally, you can also use other packages like `google_sign_in` or `flutter_facebook_login` to implement Firebase Authentication feature in your app.



## 57) How can we implement a Firebase Cloud Storage in Flutter?

To implement Firebase Cloud Storage in Flutter, you can use the `firebase_storage` package. It provides an easy-to-use API for using Firebase Cloud Storage in your app. You can use it to upload and download files, handle progress, and manage files in the storage.





## 58) How can we implement a Firebase Cloud Firestore in Flutter?

To implement Firebase Cloud Firestore in Flutter, you can use the `cloud_firestore` package. It provides an easy-to-use API for using Firebase Cloud Firestore in your app. You can use it to read and write data to the Firestore, handle events such as changes in the data, perform complex queries and operations, and manage collections and documents in the Firestore.



## 59) How can we implement Push notifications with Firebase Cloud Messaging in Flutter?

To implement push notifications with Firebase Cloud Messaging (FCM) in Flutter, you can use the `firebase_messaging` package. It provides an easy-to-use API for using FCM to send and receive push notifications. You can use it to register the app with FCM, subscribe to topics, and handle incoming push notifications.



## 60) How does Flutter handle app localization and internationalization?

Flutter provides a set of internationalization (i18n) and localization (l10n) libraries that can be used to support different languages and cultures in the app. These libraries provide support for loading localized strings, formatting dates, times, and numbers, and handling right-to-left languages.



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