10 FLUTTER

INTERVIEW

QUESTIONS

and Answers

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1.

What is Flutter?

Flutter is an open-source UI software development toolkit created by Google. It is used to build natively compiled applications for mobile, web, and desktop from a single codebase.

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2.

Explain the Widget Tree in Flutter.

In Flutter, everything is a widget. The widget tree represents the hierarchy of widgets in a Flutter application, where each widget is responsible for part of the user interface.

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3.

Stateful vs. Stateless Widgets in Flutter.

Stateless widgets are immutable and don't change over time, while stateful widgets can change dynamically during the lifetime of the application.

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4.

What is the 'BuildContext' in Flutter?

BuildContext is an object that points to the location of a widget in the widget tree. It is required for various operations, such as navigating between screens or showing dialogs.

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5.

Difference between 'hot reload' and hot restart' in Flutter

'Hot reload' updates the code on the fly without restarting the entire app, preserving the app's state. 'Hot restart' restarts the app, losing the state but applying the code changes.

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6.

What is the 'Pubspec.yaml' file used for in Flutter?

Pubspec.yaml is a configuration file where you define the dependencies, assets, and other settings for your Flutter project. It's used by the Dart package manager, Pub.

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7.

How does Flutter handle device orientation changes?

Flutter provides the OrientationBuilder widget and the MediaQuery class to handle orientation changes. Developers can rebuild specific parts of the UI when the orientation changes.

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8.

What is the purpose of the 'setState' method in Flutter?

setState is used to notify Flutter that the internal state of a StatefulWidget has changed. When called, it triggers a rebuild of the widget tree, updating the UI.

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9.

What is the 'Flutter Doctor' command used for?

Flutter Doctor is a command-line tool that checks your Flutter installation for common issues and provides suggestions to fix them. It ensures that your development environment is set up correctly.

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10.

Explain the concept of 'widgets binding' in Flutter.

Widgets binding is the connection between the Flutter framework and the underlying platform (Android or iOS). It provides an interface for managing the interaction between the framework and the platform-specific code.

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