REPORT

LAP 2

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Introduction:

This lab report aims to present the outcomes of creating a cross-platform mobile app. The app's focus is to introduce Angela Yu, a proficient Flutter developer. The report will outline the app's objectives, the development approach employed, the achieved results, a discussion on cross-platform app development, and a conclusive summary of the lab's findings.

Objectives:

The primary goals of this lab are as follows:

To fabricate a cross-platform mobile app utilizing the Flutter framework.

To exhibit the process of designing and developing a straightforward informational mobile app.

To critically evaluate the merits and demerits of cross-platform mobile app development.

Methodology:

The app was meticulously crafted utilizing Flutter, an open-source UI toolkit. Dart, a programming language, was used to write the code. The app's user interface was constructed leveraging Flutter's widget-based architecture, ensuring compatibility with both iOS and Android platforms.

Results:

The app showcases Angela Yu's profile picture, full name, professional role, contact details, and biography. The user interface employs a harmonious teal color palette for an aesthetically pleasing appearance. Below, you can find a snapshot of the main screen of the app:

A screenshot of a computer

Description automatically generated

Discussion:

The development endeavor culminated in the realization of a fully operational cross-platform mobile app boasting an elegant and visually captivating design. Noteworthy advantages of cross-platform app development encompass code reusability, expedited development cycles, and the capability to target multiple platforms. Nonetheless, certain constraints, such as limited access to native features and the potential for performance bottlenecks in intricate apps, should also be acknowledged.

Conclusion:

To conclude, this lab effectively illustrates the development journey of a cross-platform mobile app utilizing the Flutter framework. The app introduces Angela Yu and furnishes insights into cross-platform app development's advantages and shortcomings.