Cross Platform Application Development

Project : Momento

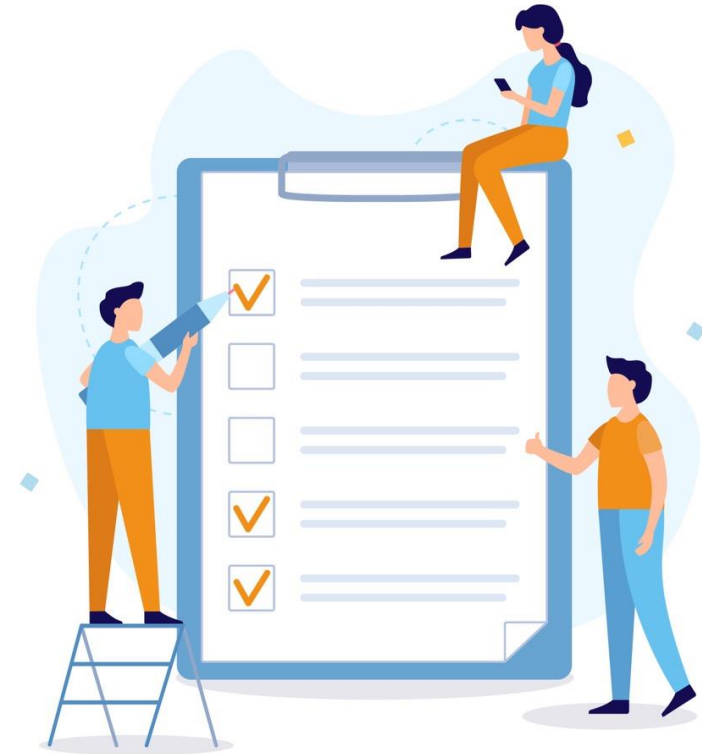## Section - B

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Momento

- Momento is a "To-do tasks tracker" Cross-Platform application built using Flutter and Firebase to keep track of your to-do tasks.

- The main objective of Momento is to help the users to manage their tasks and time efficiently.

- With this app, you can list and categorize all your tasks at single place, track them and ensure that you doesn't miss any important tasks or appointments.

Features of Momento

- Google Sign in

- Sign up via Email Id / Phone number

- Create / Edit / Delete a To-do task

- Categorizing the tasks

- Mark done / not done tasks in the list

- Filter the To-do tasks by category

- Change theme (light to dark and vice versa)

Tech Stack

- **Flutter** : Flutter is an open source mobile UI framework created by Google which allows us to develop cross platform applications.

- **Dart** : Dart is a programming language designed for client development, such as for the web and mobile apps. It is developed by Google and can also be used to build server and desktop applications.

- **Firebase** : Firebase is a platform developed by Google for creating mobile and web applications.

- **Cloud Firestore** : Cloud Firestore is a cloud-hosted, NoSQL database that your iOS, Android, and web apps can access directly via native SDKs.

- **Firebase Auth**: Firebase Authentication aims to make building secure authentication systems easy, while improving the sign-in and onboarding experience for end users.

Deployment

- **Firebase Hosting**
  - With Firebase hosting we will deploy our Flutter web application build to a specific domain.
  - There are two ways to achieve deploying our release bundle:
    1. We can manually upload our project to firebase hosting using firebase CLI commands.
    2. We can also make use of GitHub actions, so that every time we push our code to GitHub it automatically gets deployed to firebase hosting.
  - In our project, we will be using GitHub actions to automatically deploy our flutter build to firebase hosting.

Thank You