



FULL STACK DART DEVELOPER TEST

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This test has been designed to assess the following areas:

1. Basic Flutter app development
2. Basic Backend development
3. Test driven development

FLUTTER APP

The objective of this task is to create a To-Do list application. The app should provide basic functionality: view items, view a single item, create item, edit item, delete item.

Each To-do item should have a title, optional due date, and an optional description.

We expect an app that is easy and intuitive to use. You do not spend too much time on creating a flashy UI.

BACKEND

There should be a backend REST API with CRUD support for managing a user's To-Do list items. You don't need to implement authentication however the backend should support multiple users each with their own To-Do list. To facilitate this you can use hard coded user ids.

We would prefer if you did not use cloud based solutions such as Firebase for the backend.

TESTING

Please implement a range of tests covering front and back end functionality. Full test coverage is not required.

SUBMISSION

Please submit a link to a public Git repository containing all files along with a README explaining your architectural choices and the reasoning behind your use of third party packages.

Your submission is to be emailed to: **chirag@magic.fit**