

Requirement:

Writing a TODO application include 3 screens:

- All: Showing both complete and incomplete Todo.
- Complete: Showing complete Todo.
- Incomplete: Show incomplete Todo.
- Having a Bottom navigation bar to switch between the above screens.

Business logic:

- Having an “Create task” UI to create a new Todo.
- Each Todo has a checkbox, to change its status between complete and incomplete.
- When interacting (Create task or Change task’s status), the UI (Todo list, checkbox) must be updated.
- If you can handle saving and updating Todo tasks in the local database, it will be a plus.

Technical:

- **MUST HAVE** unit tests. Automation testing is our culture. We would mark the assignment as failed if you don’t submit the assignment with **meaningful** unit tests.
 - References
 - <https://flutter.dev/docs/cookbook/testing>
 - <https://codelabs.developers.google.com/codelabs/flutter-app-testing>
 - Having widget tests and integration tests is a plus.
- You can use any architecture you want, but the architecture must describe 3 layers: Presentation layer, Domain (Business) layer and Data Access layer.
- Use appropriate data structures.

- The assignment can be implemented with either Dart (Flutter) or a native iOS/Android language.