React Native Take Home Assignment

The assignment is to develop a small React Native app. The requirements are described below.

It is not an exam, and the purpose of the assignment is to get an impression of how you are as a developer. If we decide to proceed, the React Native app will be used as the foundation for further talks. There might be many wrong ways to develop an app, but there are indeed also many right ways to do it.

Completing the assignment should not take more than four hours. It is not necessary to implement all functionality, and please prioritize completing a feature over a set of half baked features.

Functionality

The React Native app should be a simple todo app implemented in either JavaScript, JSX or TypeScript, and it is not required to use Realm nor MongoDB. It must be able to run on both iOS and Android.

Features in prioritized order: As a user I can ...

1. Create an item (with a short description) on my list of todos.
2. Mark an item as completed.
3. Edit the description of an existing item.
4. Delete an item from the list entirely.
5. Create another list of todos and select a list from my collection of lists.
6. Move an item from one list to another.
7. Synchronize lists and todo items between multiple devices.
8. Set a deadline on any of my items and clearly see when an item is overdue.

What we are looking for

We do *not* expect all requirements to be implemented in four hours.

For us, completeness includes:
- Clean and readable source code
- Consistent naming conventions and code style
- Clear architecture
- API documentation where it is appropriate
- Comments explaining trade-offs and alternatives

- Testable code which is suitable for Continuous Integration and/or automated test runners