

Objective

Create a web application using ReactJS with the below problem statement.

Problem statement

Create a to-do application where the following functionalities are present -

1. User can create, delete and edit a to-do.
2. They should also be able to mark a to-do done and vice-versa.
3. They should be able to create a to-do under a bucket. The user has the flexibility to name this bucket according to his/her choice.
 - a. All the existing buckets the user has created should be given as options, next time the user tries to create a new bucket.

Tech stack

1. **Frontend:** React, Redux, React Router, Redux Middleware's (e.g. Thunk)
2. **Backend:** Optional (Django preferred)
3. **Database:** Optional (MySQL preferred)
4. Any additional stack/tools as per your preference.

Deliverables

The following can be delivered using GitHub or a zip folder.

1. Codebase: React and backend (if any)
2. MySQL DDL queries (if any)
3. Great to have - unit test cases