Fullstack (React Web + NodeJS) - Practical Test

Duration - 4 Hours

- You need to develop a wallet application to track expenses using
    - ReactJs
    - NodeJs
- You can refer to wireframes but feel free to add extra features and modifications.
- In the home page, the user should see a list of expenses initially.
- The user should be able to create expense records with the following user inputs. (it can be a modal or new page)
    - Title
    - Description (Optional)
    - Date
    - Category
    - Amount
- Each expense populated should be editable and deletable.
    - While deleting an expense, a confirmation popup should be shown to the user
    - All the fields should be *editable* in the edit mode
- In the home page, the user should be able to filter out expenses using categories. (*Single Selec*t)
    - Categories list
        - Food
        - Household
        - Social Life
        - Transportation
        - Health
        - Miscellaneous
- No need to implement or consider following features (**Out of scope**)
    - Manage authentication (Login/Signup)
    - Manage authorization

Additional Features (*mandatory for SE's and above*)

- The user should be able to view a summary of expenses in a dashboard page with a bar chart.
    - The Bar chart should summarize data based on categories **for the current month.**
    - Bar Chart (x-axis -> Category, y-axis -> the total amount spent on each category)
- Filtering and dashboard data calculation should be done through the **back-end**.

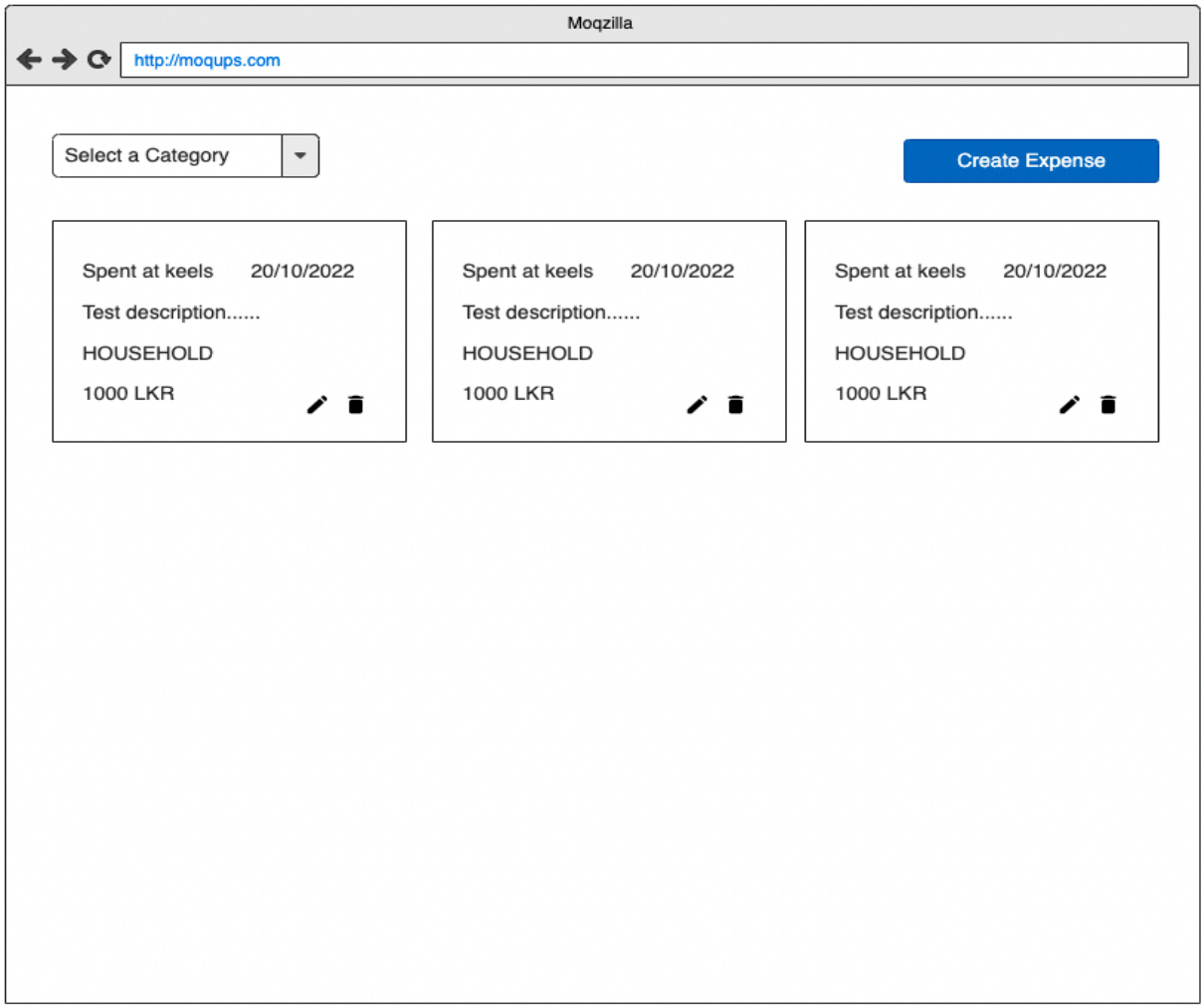
React Scope

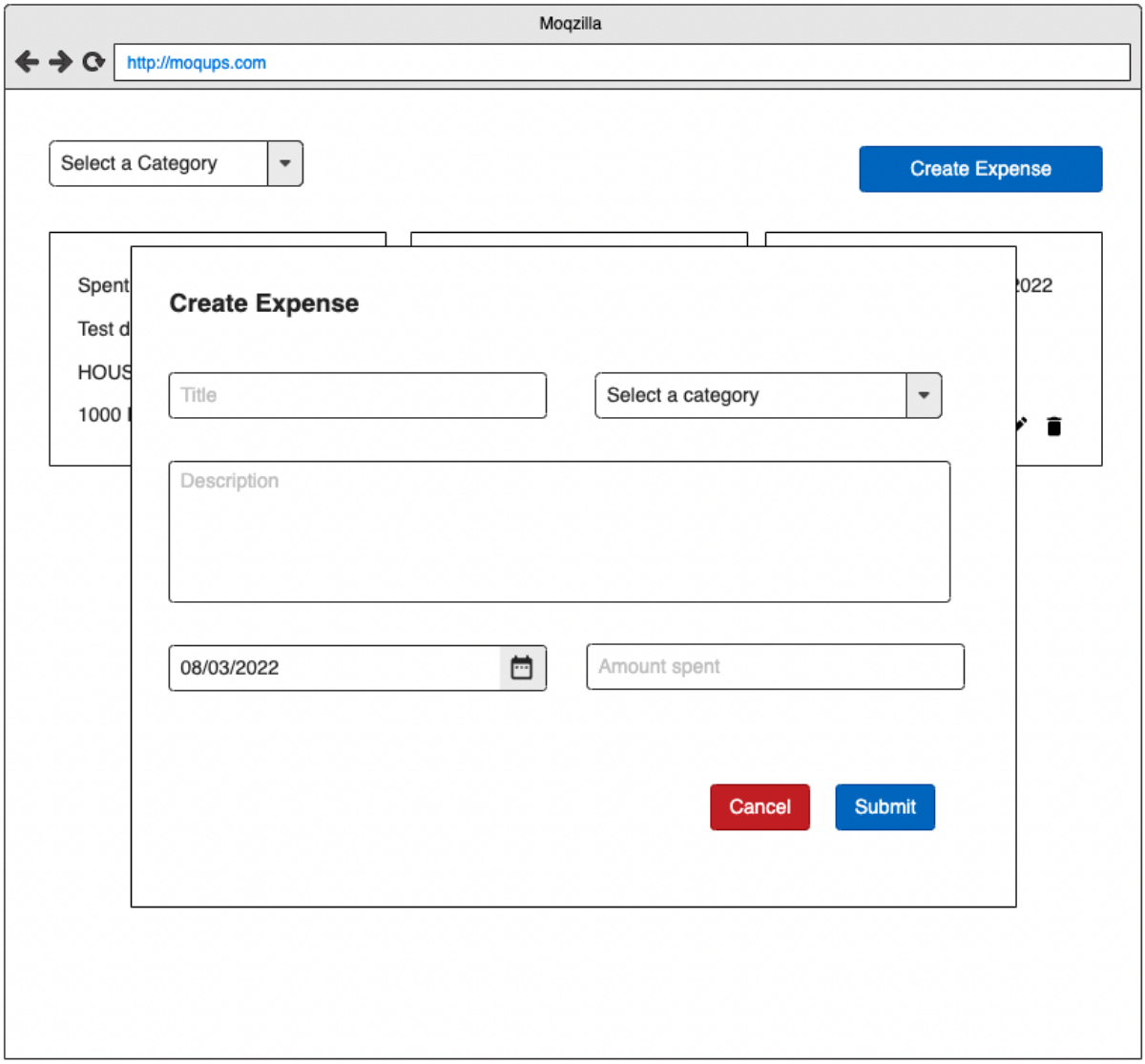
- Use state management mechanism - Redux, Saga, Thunk or Context API
- You can use any library - Material, Styled, AntD, lodash, moment, React Router
- (Preferred) - Use react hooks
- (Preferred) - Use TypeScript
- Create a README.md file and explain “How to run in development”

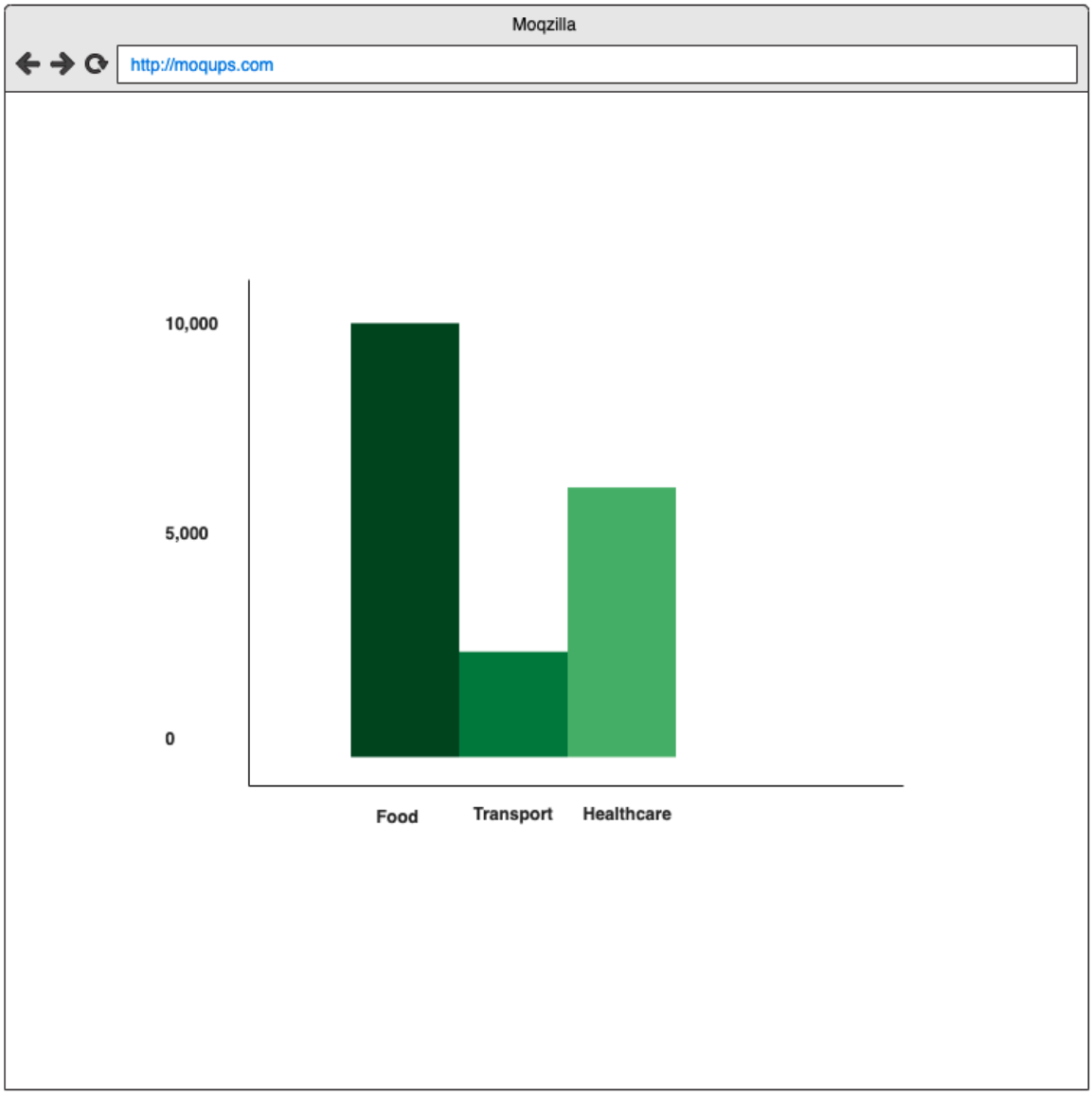
NodeJs Scope

- Use proper server-side validations
- Use best practices
- Use any database like mongodb, mysql, file or in memory db. (Preferred in-memory database like - LokiJs, sqlite)
- (Preferred) - Use TypeScript
- Create a README.md file and explain “How to run in development”

Wireframes




Moqzilla
http://moqups.com
Select a Category
Create Expense
Spent
Test d
HOUS
1000
2022
Create Expense
Title
Select a category
Description
08/03/2022
Amount spent
Cancel
Submit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Food
Transport
Healthcare