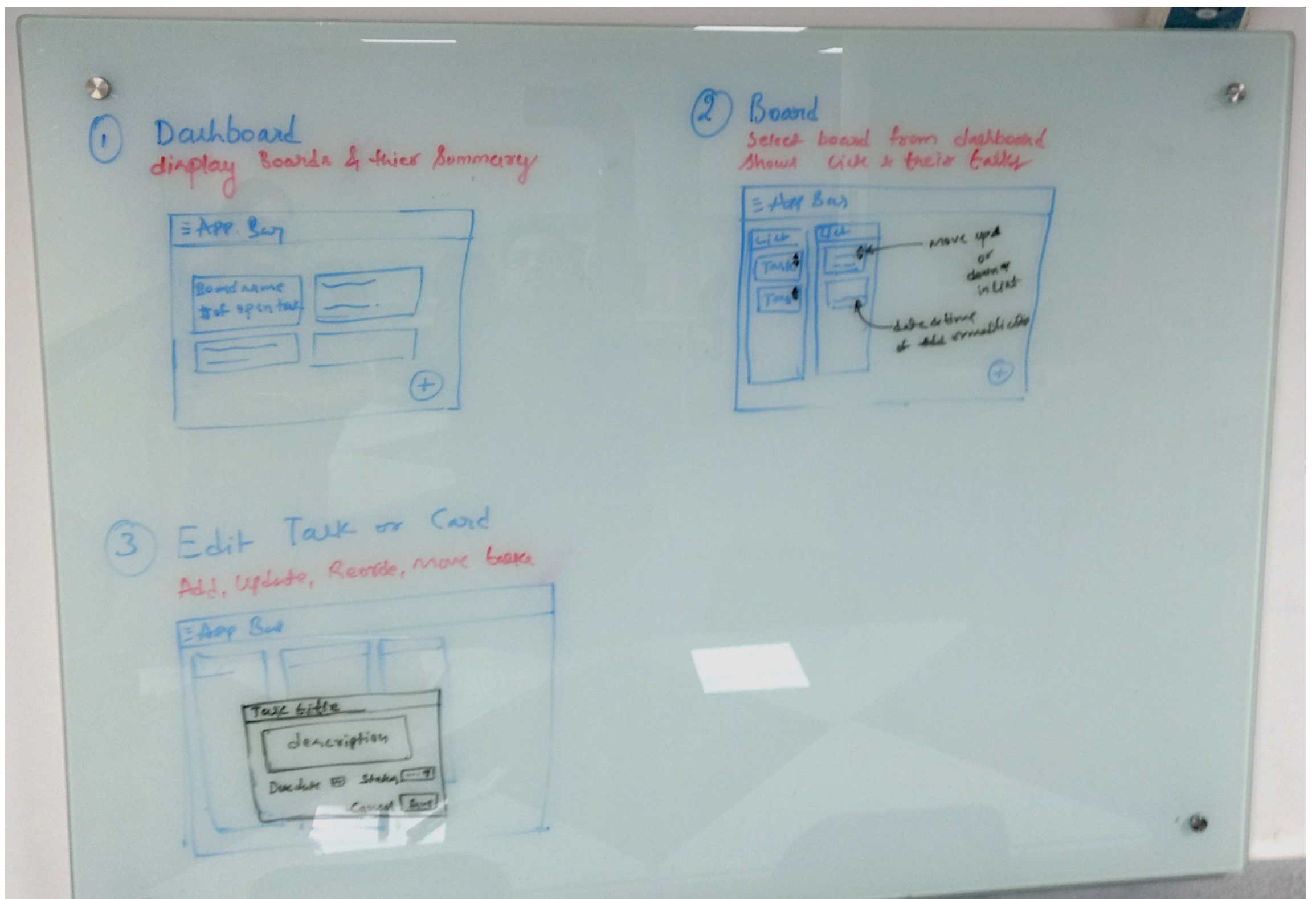


Assignment - 1 (mandatory for each individual participant)

- Design & Build a dynamic web app in using NodeJS & ReactJS
- Expected to take 10 to 12 hrs of time on this
- **this should be completed by EOD 6th Feb 2018**
- Will be reviewed during the workshop session

Functionality

- Kanban board or Agile board for adding lists of tasks (as a card) i.e., hierarchical visual structure like below, where each has its own operations Board - Lists - Tasks or Cards
- Maintains different lists like Backlog, Doing, Done
- Tasks or Cards are added, updated, removed dynamically from any list
- Tasks or Cards have order or sequence within a list, which can be re-ordered or modified
- Lists also can be dynamically added, updated, removed, change the position
- Tasks or cards will have description
- Views can be like below



Instructions

- Use NodeJS, ExpressJS & GraphQL stack for developing backend
- Use No-SQL database for persistence
- Use ReactJS with Redux & GraphQL
- Both ReactJS app and Backend must have Unit & Integration or E2E test cases, covering relevant scenarios
- Application should be dockerized
- Bonus points for supporting undo & redo operations on the Board
- Bonus points for demonstrating design clarity

Submitting your assignment

- Submit with reference to Github Repo links via email
- The repo must contain README.md, clearly explaining how to build, configure & run the application
- Document Design, APIs, Events & Deployment any other details of the app in README.md or as Wiki of the repository

Reference Implementation

- [Trello app](#) is a very good reference for this