

## Project management application (Reference application- Trello)

Creating a project management application to manage the project by tracking it's tasks at granular level.

1. The application will have multiple boards, where each board will signify different projects.
2. Each board will have multiple lists which will signify different steps (ToDo, In-Progress, Done) of the project.
3. Each list will contain different cards signifying low level tasks.
4. Each card will be either assigned to a user or it will remain unassigned.

### Requirements

- User: Users should have a name, email address.
- Board: Board should have an id, name, members of boards, lists
- List: Each list should have an id, name and cards.
- Card: Each card should have a id, name, description, assigned user
- The application will be able to create/delete boards, add/remove people from the members list and modify attributes. Deleting a board should delete all lists inside it.
- The application will be able to create/delete lists and modify attributes. Deleting a list should delete all cards inside it.
- The application will be able to create/delete cards, assign/unassign a member to the card and modify attributes.
- The application will be able to move cards across lists in the same board
- Cards should be unassigned by default, and a user will be able to assign a user to it.
- Ids will be auto-generated for boards, lists, and cards

### Notes:

1. Code should be written in ES6
2. Use DAO/ORM/ODM for database interaction
3. No user interface is expected from this assignment.
4. Please share the working code assignment at- [abhinandan@wemotiveforge.com](mailto:abhinandan@wemotiveforge.com) within 3 days.
5. For any queries, please write to [abhinandan@wemotiveforge.com](mailto:abhinandan@wemotiveforge.com) or call Abhinandan (8796105046).