

README

Assignment DSE - Trello

Run project:

1. **Database (mongod v4.4.1)**
 - > mongo
 - > use trellodb
2. **Backend (Nodejs v12.16.1)**
 - > cd backend
 - > npm install
 - > npm start
3. **Frontend (Vuejs @vue/cli 4.5.8)**
 - > cd frontend
 - > npm install
 - > npm run serve
4. **Access <http://localhost:8080/> in browser**

Implementation:

1. Database trellodb - 3 data models:

- **Cards** - fields: title, description
- **Lists** - fields: title, cards (list of Cards IDs)
- **Boards** - fields: name, lists (list of Lists IDs)

2. Backend - endpoints:

- **Boards:**

POST /api/boards - Create a new board
Body json: { name: String }

PUT /api/boards/:id - Update board with id in params
json: { name: String, lists: [String]}

Body

GET /api/boards - Get all boards

Response [json]: [{ name: String, lists: [Object] }]

GET /api/boards/:id - Get board with id in params

Response json: { name: String, lists: [Object] }

DELETE /api/boards/:id - Delete board with id in params

- **Lists:**

POST /api/lists - Create a new list

Body json: { title: String, boardId: String }

PUT /api/lists/:id - Update list with id in params

Body json: { title: String, cards: [String] }

GET /api/lists - Get all lists

Response [json]: [{ name: String, lists: [Object] }]

DELETE /api/lists/:id - Delete list with id in params

- **Cards:**

POST /api/cards - Create a new card

Body json: { title: String, description: String, listId: String }

PUT /api/cards/:id - Update card with id in params

Body json: { title: String, description: [String] }

GET /api/cards - Get all cards

Response [json]: [{ name: String, lists: [Object] }]

DELETE /api/cards/:id - Delete card with id in params

3. Frontend:

Routing between pages - Vue Router

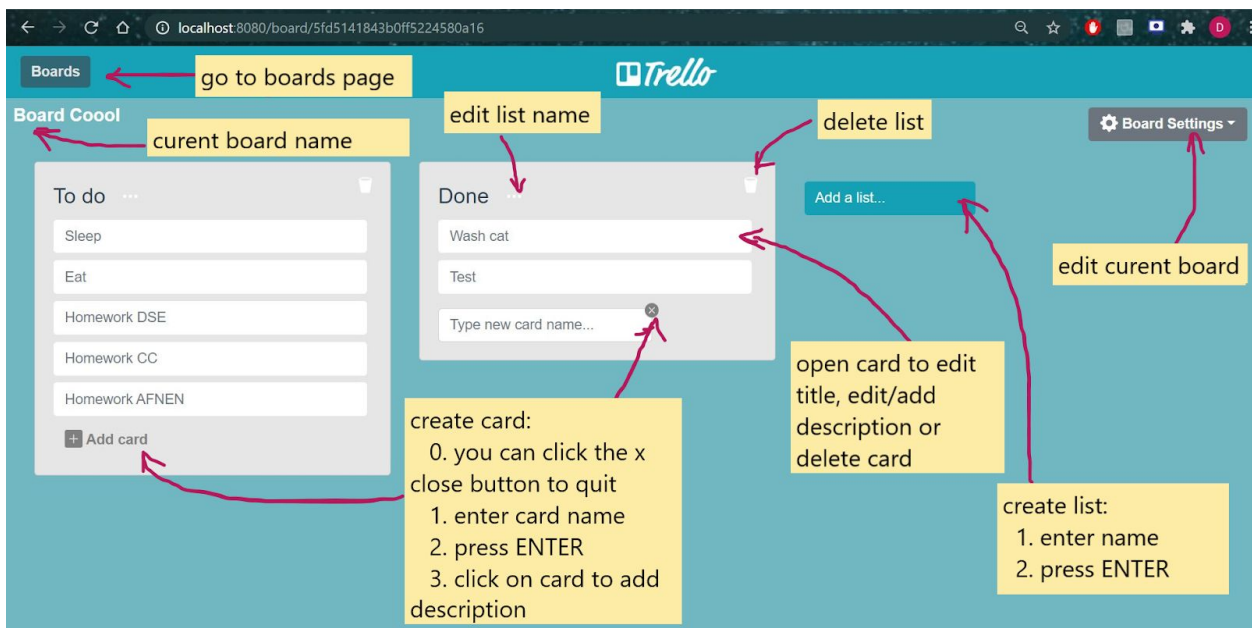
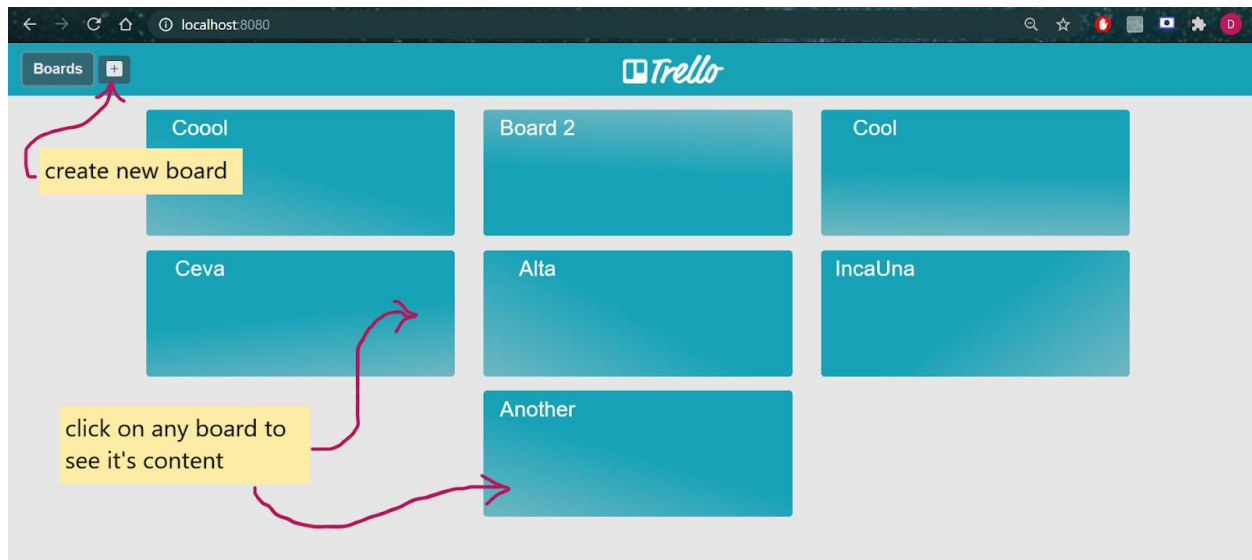
Views:

- **Home** - view all boards
- **Boards** - content of selected board

Custom components:

- **ListComponent** - to display each list of selected board
- **CardComponent** - to display each card of selected list
- **BoardHeader** - to display current board name and settings

Functionality



Restrictions:

Edit card (or list or board) - doesn't allow empty 'title' (or 'name'), if you delete the title text and click OK button, no change occurs.

Add card/ list - after you type the name, you must press **ENTER** in order to create a new card /list.

Edit card title - when you open a card, click on the title to edit the card title.