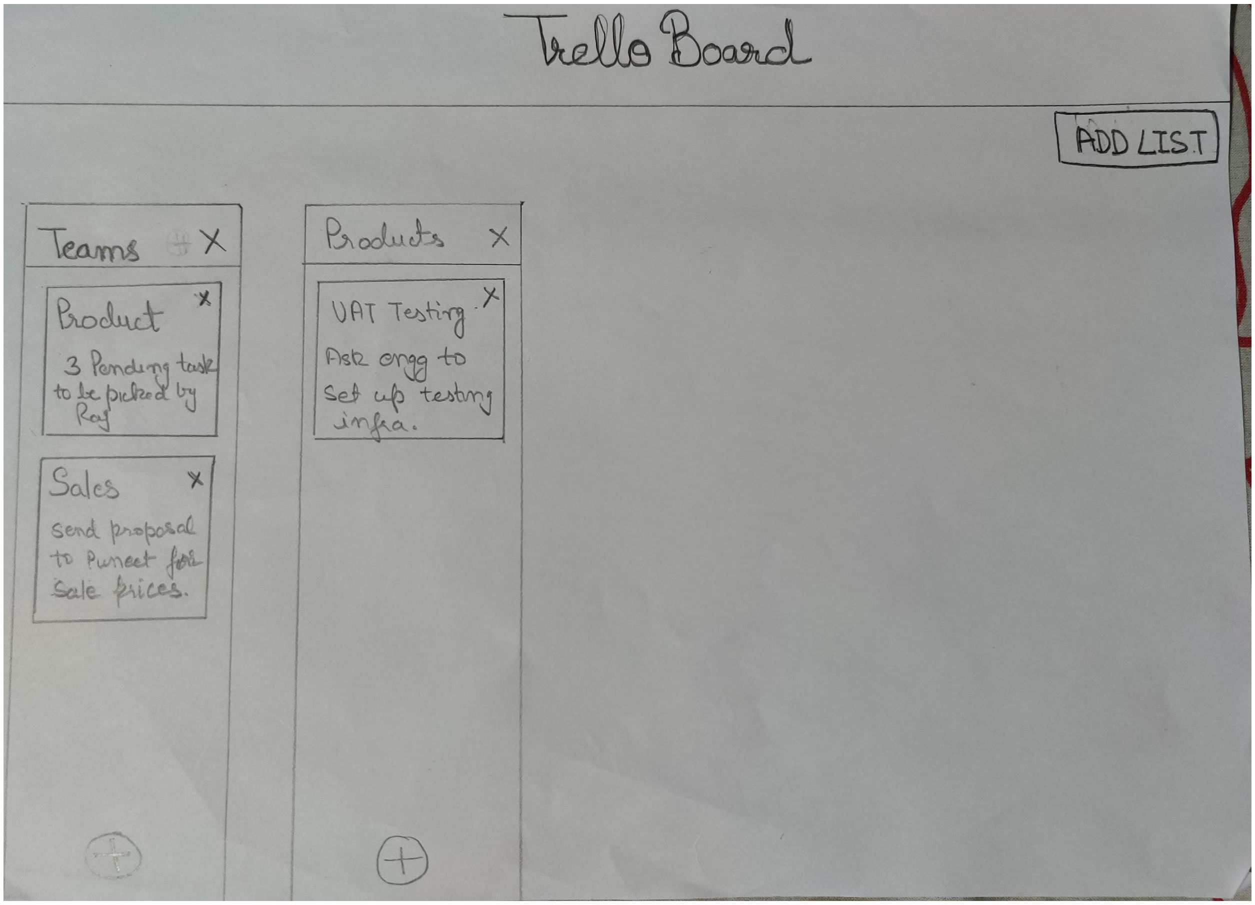
Trello

Create a project management dashboard like Trello.


Trello Board
ADD LIST
Teams
X
Product
X
3 Pending task to be picked by Raj
Sales
X
send proposal to Puneet for Sale prices.
Products
X
UAT Testing
X
Ask engg to set up testing infra.
+
+

Problem Statement

We want to implement a trello board which will help us keep track of cards categorised into lists. For example - in the above figure, we have two list Teams and Products. Each list can have any number of cards. For example, in the above figure **Teams list** has two cards.

Mandatory attributes of each card **-** **title**, **desc, creation time** and a **cross(X) button** to delete it.

A new list can be added to the board by pressing the **ADD LIST** button present on the right side of the board. Each list should have a **Title**, **a cross(X) button** to delete it and can have 0 or more cards. Deleting a list should delete all the cards present in that list.

A new card can be added to a list via **a plus(+) button present at the bottom of each list(inside a list)**.

A card can be dragged from one list and dropped on the second list to make it part of the second list. If it is dropped outside the second list, it comes back to the list from which it was picked up.

Note (Mandatory Requirements)
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1. Whenever a card is dropped on a list, the existing cards should rearrange themselves in reverse chronological order of their creation time.

2. Duplicate cards are allowed in a list(A card is duplicate if it has the same title as some other card in a particular list. Two cards with the same title can exist in different lists.)

3. On refreshing the page or opening the same page in a new tab, the existing lists and cards on the page should remain intact.

Keep in mind:

1. Please use client side storage for your storage needs. **You need to build only the client side of it, backend implementation is not expected.**
2. You can use any framework like React, Vue, Angular and tooling such as webpack, grunt, gulp, etc.
3. Object-oriented JS code is a plus!
4. You can use the HTML Drag and Drop API to implement DnD functionality.
5. Form validation is good to have but not mandatory.
6. Do not spend time on UI design (colors, fonts, shadow, gradients etc). Keep it simple as shown in the figure above.

You will be evaluated based on:

1. Correctness and completeness of the solution.
2. Software Design(Low level design) & Coding Practices used. For ex - Clean Code, Modularity etc
3. Technology choices (e.g. ES 6/7 over ES 5 - avoid mixing of ES 5/6/7).

Submission

- Please submit your solution by creating a zip file named -: <Candidate_Name>_solution.zip and emailing it to Interviewer and HR.
- Provide step by step instructions to run your solution.

Time Limit

Submit the solution within 24 hours of getting the assignment (earlier the better).