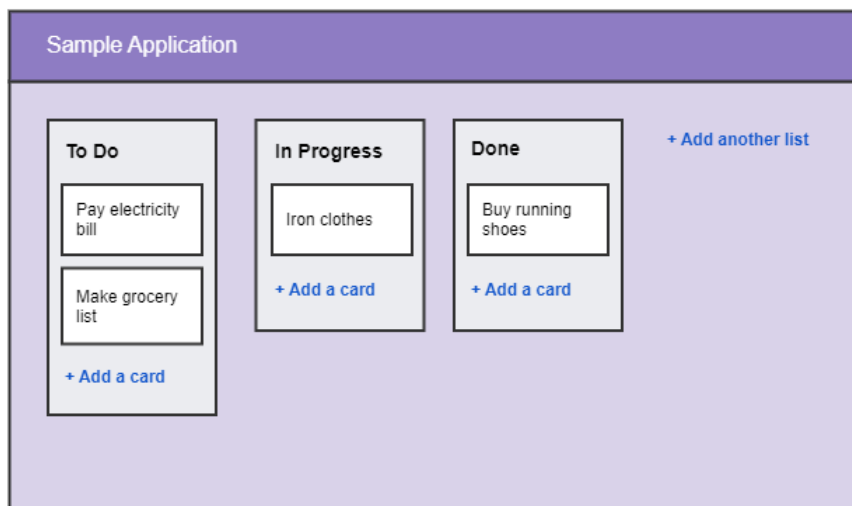


# Problem Statement for UI Architect

## Problem Statement

Create an easy to use, task management application. It should allow creation of lists with ability to add task cards as needed. It should also allow moving cards across lists. Task cards should allow users to write their tasks and set appropriate status.

An example like below can be created using this application. In this sample user has created three lists - to-do, in progress and done with some task cards in each. User can now add new task card to any list, move these cards across lists or create a new list.



## User Experience

User can perform following action in this application

- Can create a list.
  - Will prompt user to provide name for the list
  - Name is mandatory.
- Can delete a list.
  - Will show user a confirmation, if user selects **Yes**, will delete the list.
- Can add a card to any list
  - When user clicks **Add a Card**, user will be asked to provide Name for the card.
  - Name is mandatory.
- Can move a card to next list
- Can delete a card
  - Will show user a confirmation, if user selects **Yes**, will delete the card.

## Expectation

Your solution must showcase following tasks

- Share code and demo on GitHub
- Provide document explaining application architecture, design and approach
- Besides a functional task app also allow editing task and list names
- Allow functionality to drag lists (with all cards) besides task dragging capability
- Add appropriate validation to prevent duplicate named lists
- Showcase appropriate tests and coverage
- Application should be responsive without any horizontal scroll
- Showcase theming which can be toggled online
- Enable keyboard-based usage
- List other enhancements (at least top 3) you could plan to make the app more useful and why

## Duration

### Single Round

You will get one day to solve the problem. Take your time to design and develop the application.