

TO DO LIST APP

06/02/2022

04:07:08PM

berlin



Berlin Weather

4.54°C

Moderate rain



Add New Task

Tasks

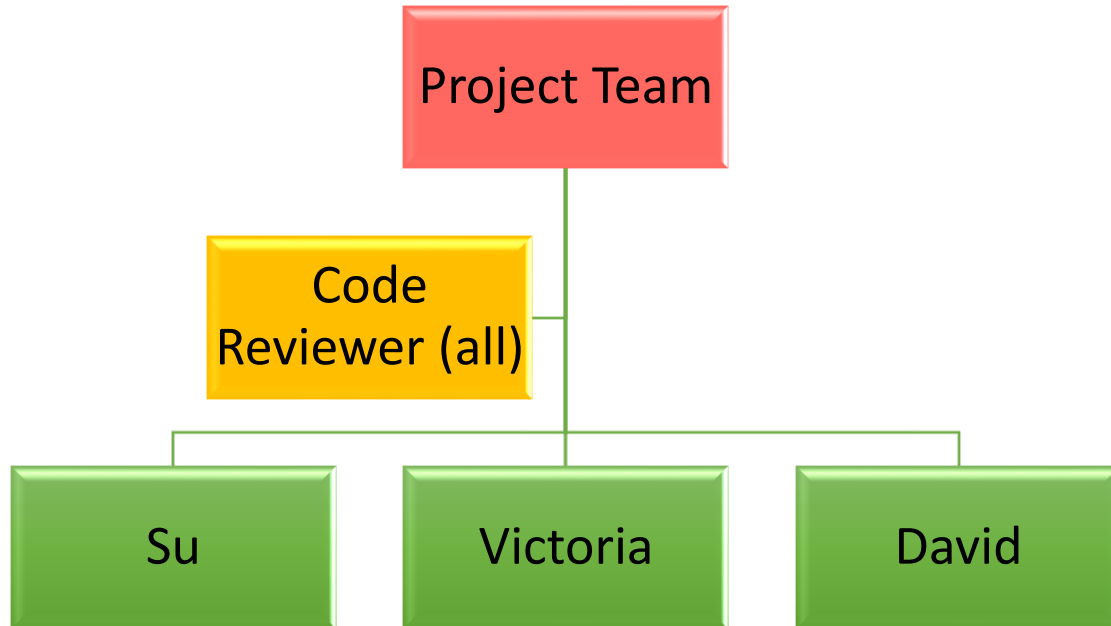
To Do

In Progress

Done

Created by Su, Victoria & David ©

Project Team Structure



Agenda

1 : Design Analysis (including OOP Design)

- Use Case Diagram, Class Diagram

2 : Agile Project Methodology + Tech Stack + Code

- Pair Programming, Code Review, Git and GitHub
- Code – Pair Programming and tech stack



App Demo

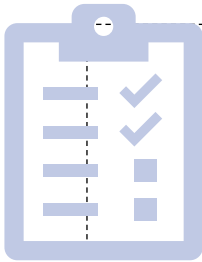
3 : Sprint – 2 & 3

4 : Additional features

- ✓ Weather API - Open Weather
- ✓ Unplash API
- ✓ Light and Dark mode
- ✓ Drag and Drop API

5: GitHub + Lessons learned

Design Analysis



Sprint -2

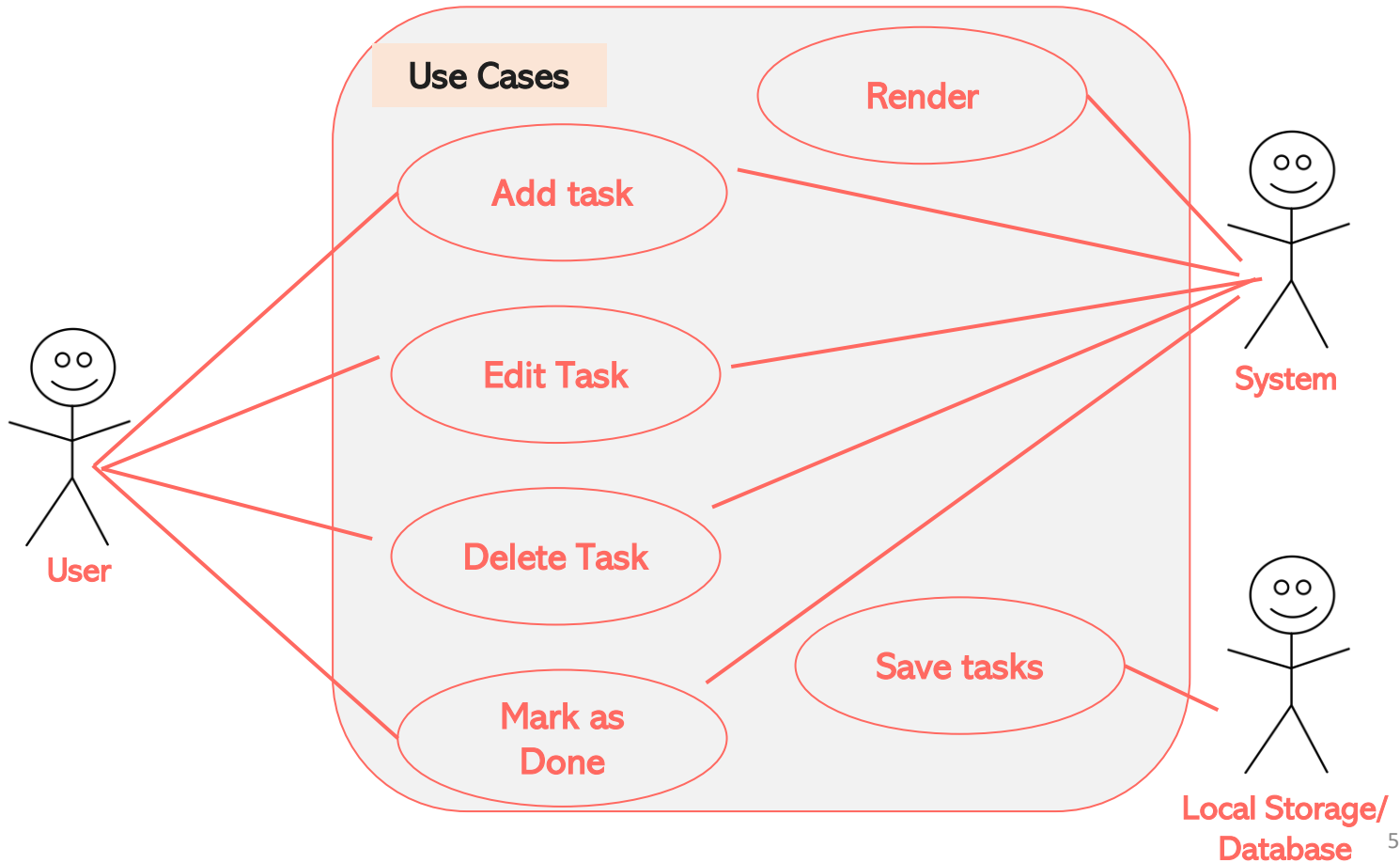
- Task 4- Task form Input Validation
- Task 5 – Displaying Date
- Task 6 – Create a class using JavaScript
- Task 7 – Display Tasks



Sprint-3

- Task 8 – Update Tasks
- Task 9 – Persisting Task with Local Storage
- Task 10 – Deleting Tasks

OOP Design Analysis: Use Case Diagram



OOP Design Analysis: Class Diagram

Task Manager

+ tasks : Array
+ currentId : number

- addTask()
- editTask()
- deleteTask()
- createTaskHTML()
- formatStatus()
- render()
- getTaskById()
- save()
- load()

UML Conventions

ClassName

property_name : type

method() : type

Agile Project Methodology - Trello

Board: To Do List App

Workspace: Trello workspace

Workspace visible: SW, D, V

Invite: Invite

Sprintt - 2: Task - 4 Lists

- Git - and Github practice - 1 hour - Thursday - 28 Am
- Task 4: Create a function to validate the task form (D, SW, V)
- Task-4, Step-2 : Name (D)
- Task-4: Step :2 Description (V)
- Step-4
- Task-4 , Step : 2, AssignedTo and DueDate (SW)

Sprint - 2: Task - 6 Lists

- Step -2 & 3 (SW)

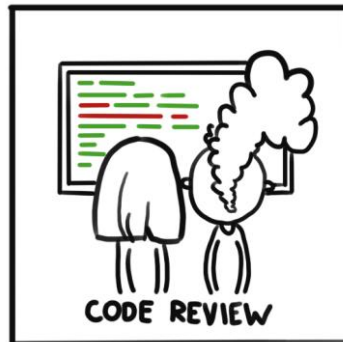
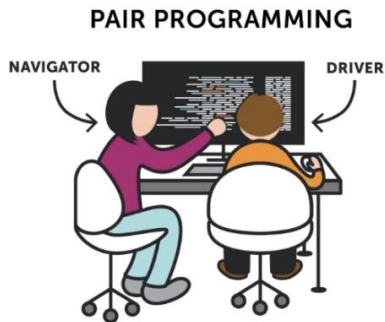
Sprint-2: Task - 7 Lists

- Step-1 : Using Javascript to Create the Task HTML (D)
- Step 2: The render method (V)
- Step 3: Calling render

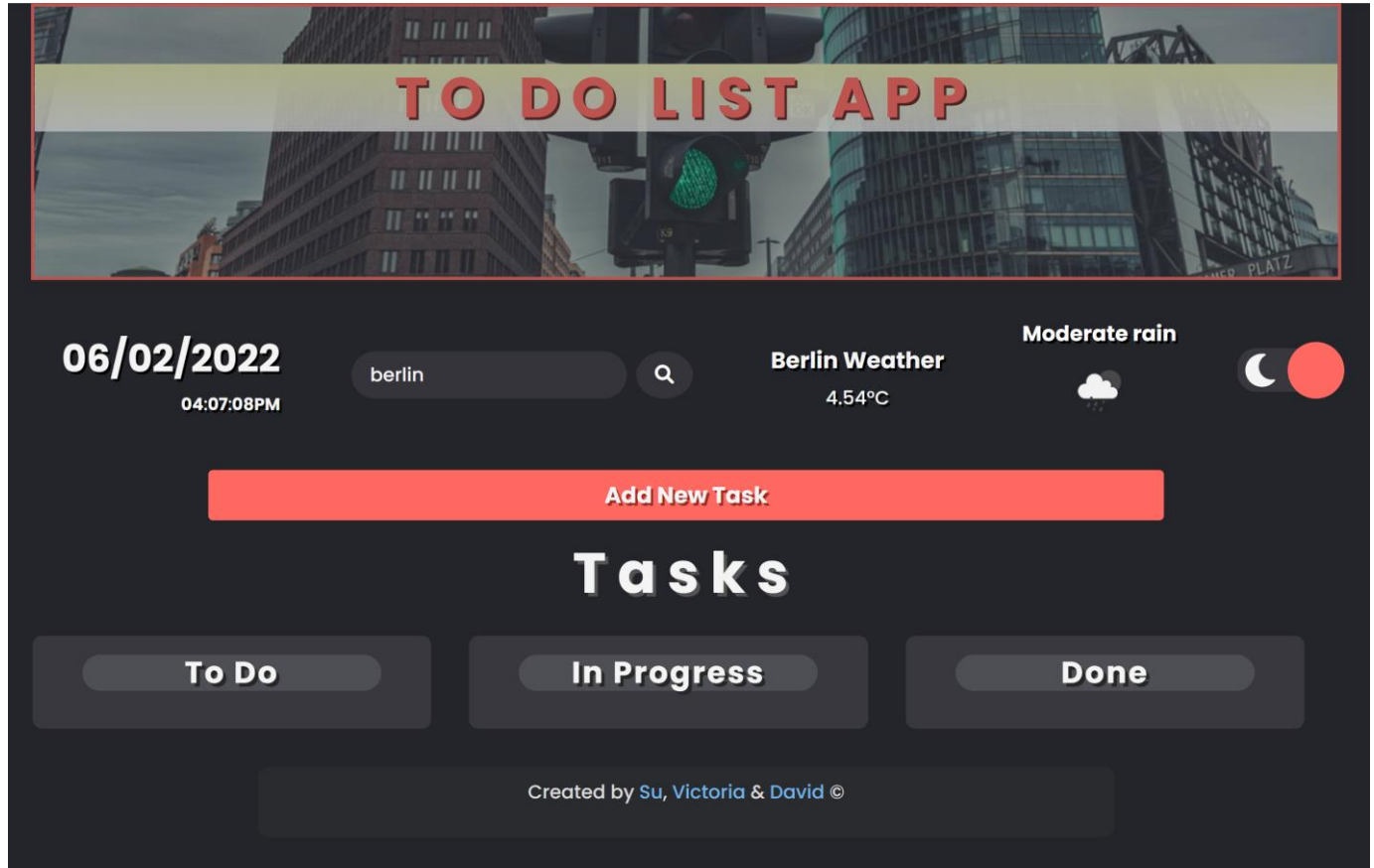
Sprint-2: Tasks in PROGRESS

- All members to read Task-4, 6 & 7 (D, SW, V)

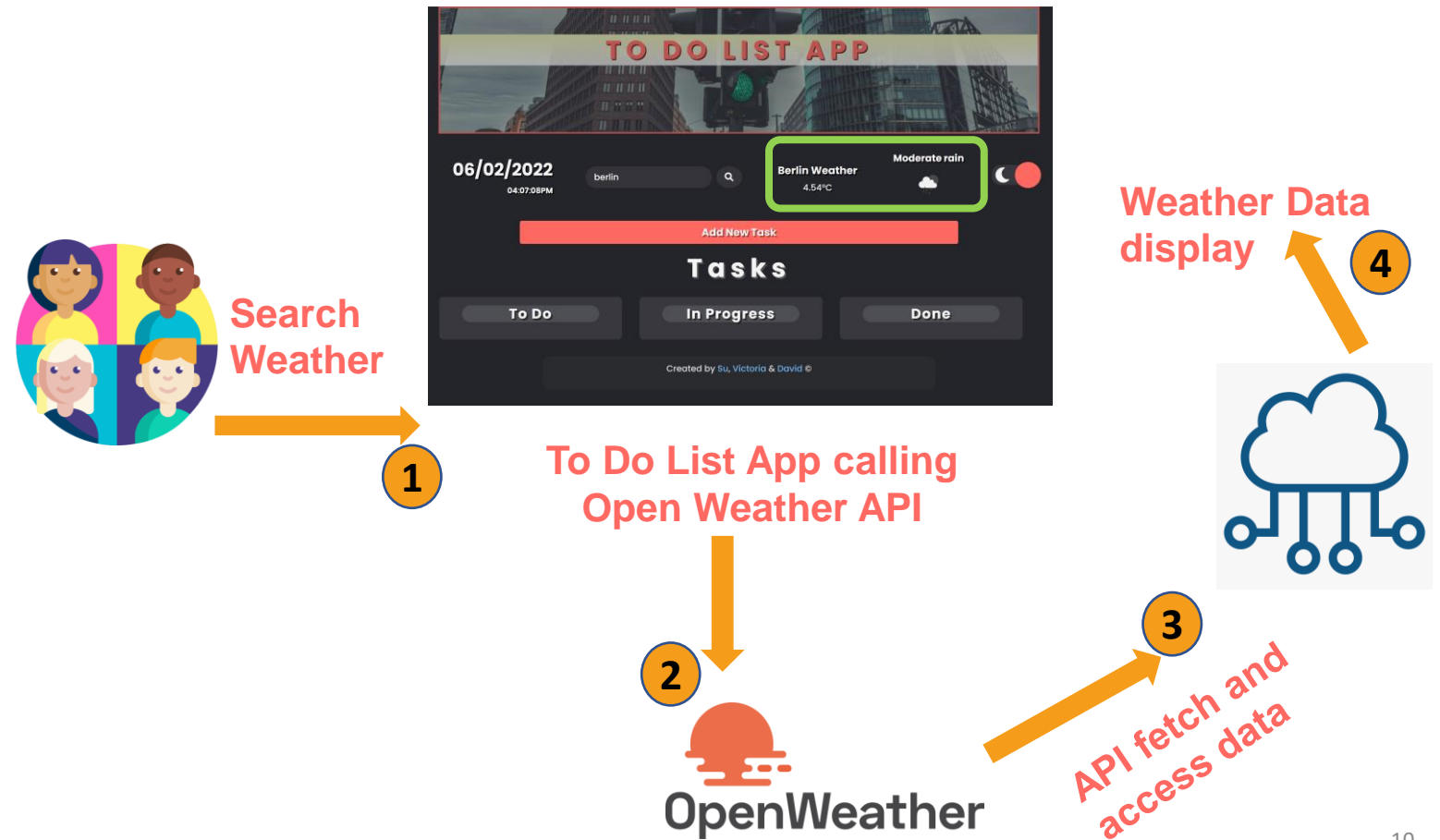
Technology Stack + Code Review



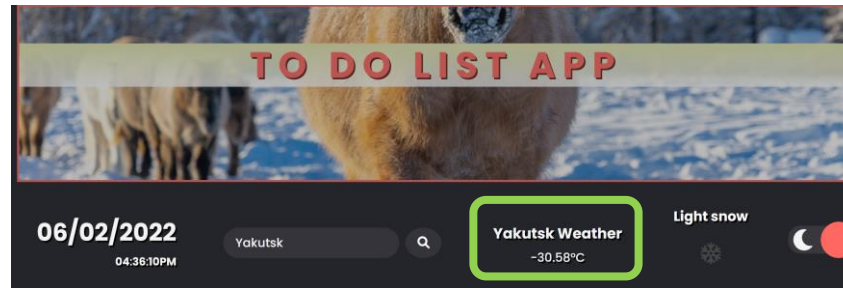
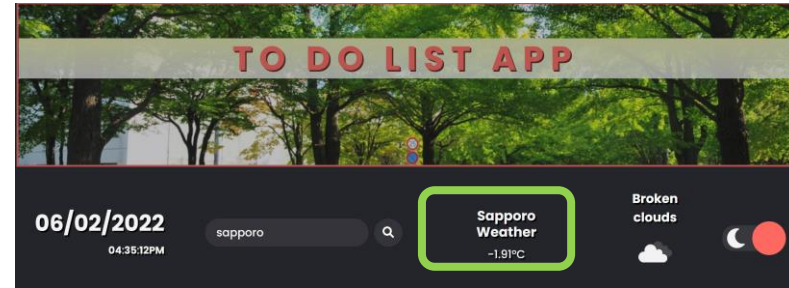
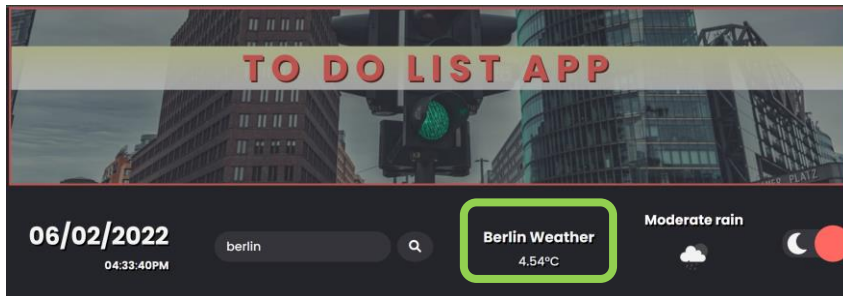
DEMO



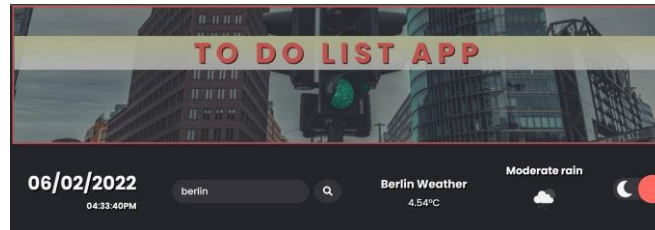
(1) Additional Feature : Weather API



(2) Additional Feature : Unplash Image API

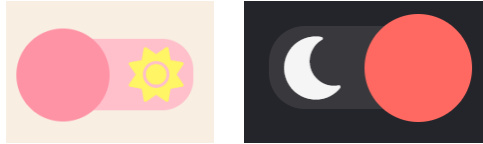


(2) Additional Feature : Unplash Image API

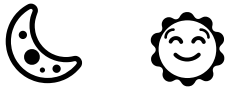


```
document.querySelector(".heading").style.backgroundImage =  
"url('https://source.unsplash.com/1110x400/?" + name + "')";
```

(3) Additional Feature : Light and Dark mode



- `<input type="checkbox" class="checkbox" id="checkbox" />`
- Font awesome – moon and sun



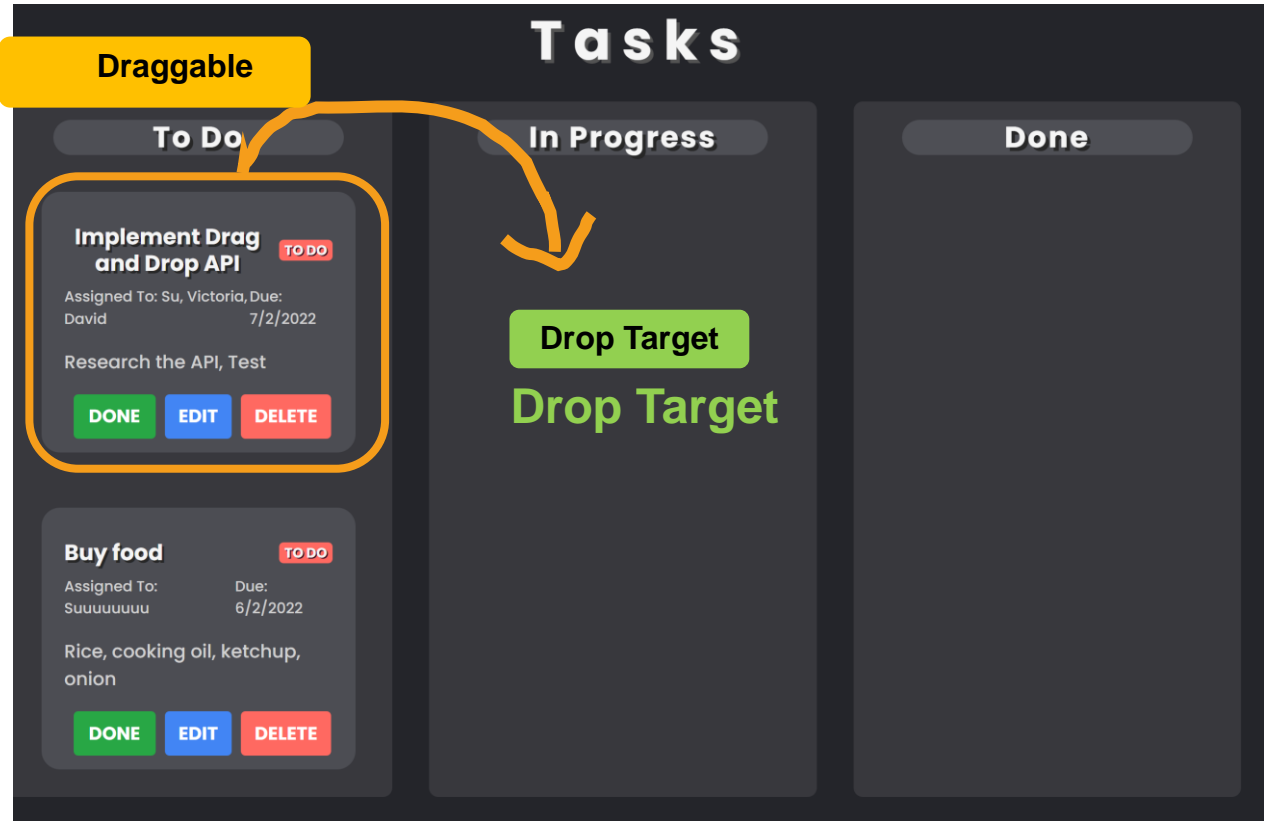
- Light-dark toggle



- Checkbox click event

(4) Additional Feature : Drag and Drop API

Each To Do list needs to be Draggable



(4) Additional Feature : Drag and Drop API

Draggable

Events

- dragStart
- dragOver
- dragEnter

Attributes

- ondragstart="dragStart(event)
" draggable="true"

Drop Target

Events

- dragOver
- dragDrop
 - Update status
 - save()
 - render()

Lessons Learned

Agile Project Methodology

&

Team Work



Debugging Sills

&

What TDD is



JavaScript

&

API calling



OOP Design Principles

Particularly

Encapsulation

