Group2 Sprint Backlog

[Mar 4 - Apr 1]

User Story: [Visualize current information]

- **As a:** [User]
- **I want to:** [access the latest data]
- **So that I can:** [make informed decisions]

Priority: [High]
Estimated Points: [12]
Acceptance Criteria:

- [visualise current information]
- [visualise the status of each station]

SubTasks:

- **Task 1:**
  - Estimated Points: [2]
  - Assigned To: [Sabrina]
  - Description: [Create a refresh button]
  - Finish Time: []
- **Task 2:**
  - Estimated Points: [2]
  - Assigned To: [Ze Li]
  - Description: [Fetch the latest data from API and save it into database]
  - Finish Time: []
- **Task 3:**
  - Estimated Points: [2]
  - Assigned To: [Ze Li]
  - Description: [Create API for fetching latest data from database]
  - Finish Time: []

- **Task 4:**
  - Estimated Points: [6]
  - Assigned To: [Sabrina]
  - Description: [Create a link to fetch the latest data from backend in the button]
  - Finish Time: []

User Story: [Visualize trends for station]

- **As a:** [User]
- **I want to:** [see the trends for each station]
- **So that I can:** [make informed decisions]

Priority: [High]
Estimated Points: [15]
Acceptance Criteria:

- [visualise daily trends for each station]
- [the chart should be in suitable position]

SubTasks:

- **Task 1:**
  - Estimated Points: [2]
  - Assigned To: [Ze Li]
  - Description: [Create API for fetching daily data from database]
  - Finish Time: []
- **Task 2:**
  - Estimated Points: [3]
  - Assigned To: [Anju]
  - Description: [Create a link to fetch daily data from backend in the marker button]
  - Finish Time: []
- **Task 3:**
  - Estimated Points: [10]
  - Assigned To: [Anju]
  - Description: [Display the daily trends chart suitably]
  - Finish Time: []

Development Task: [Modularize the js files]

- **As a:** [Developer]
- **I want to:** [modular the javascript files]
- **So that I can:** [reuse functions and cooperates effectively]

Priority: [High]
Estimated Points: [8]
Acceptance Criteria:

- [modularize javascript files into different modules]
- [modules should be divided by functionalities]
- [modules should be clear and easy to follow]
- [modules should be called in suitable place, so that the website works correctly]

SubTasks:

- **Task 1:**
    - Estimated Points: [5]
    - Assigned To: [Ze Li]
    - Description: [modularize javascript files]
    - Finish Time: []
- **Task 2:**
    - Estimated Points: [3]
    - Assigned To: [Sabrina]
    - Description: [check the modularized js modules]
    - Finish Time: []

Development Task: [Running on EC2]

- **As a:** [Developer]
- **I want to:** [run the website on the EC2 server]
- **So that I can:** [allow users to access from remote server]

Priority: [High]
Estimated Points: [5]
Acceptance Criteria:

- [The website should function identically on EC2 as it does on local environments]

SubTasks:

- **Task 1:**
  - Estimated Points: [5]
  - Assigned To: [Ze Li]
  - Description: [Deploy the website on EC2 server]
  - Finish Time: []

User Story: [Get User Precise Location]

- **As a:** [User]
- **I want to:** [share my precise location]
- **So that I can:** [get more precise weather details]

Priority: [Low]
Estimated Points: [16]
Acceptance Criteria:

- [The user should get the weather data in the nearest district based on the location he/she shared]

SubTasks:

- **Task 1:**
  - Estimated Points: [10]
  - Assigned To: [Ze Li]
  - Description: [Prompt a check window for asking user to share location]
  - Finish Time: []
- **Task 2:**
  - Estimated Points: [2]
  - Assigned To: [Ze Li]
  - Description: [Create a user marker based on the shared location]
  - Finish Time: []
- **Task 3:**
  - Estimated Points: [4]
  - Assigned To: [Ze Li]
  - Description: [Implement the weather data service for shared location]
  - Finish Time: []