

Group2 Sprint Backlog (Sprint 4)

[Apr1 - Apr 15]

Application Discussion: [Application Report]

- **As a:** [developer]
- **I want to:** [create a report for this application]
- **So that I can:** [present the application to stakeholders in a clear and concise manner]

Priority: [High]

Estimated Points: [30]

Acceptance Criteria:

- [The report provides a clear and concise overview of the application.]
- [The report accurately describes the application's architecture, design, and machine learning components.]
- [The report includes relevant testing results and metrics.]
- [The report is well-organized, easy to read, and free of grammatical errors.]
- [The report is concise and within the recommended length.]

SubTasks:

- **Task 1:**
 - Estimated Points: [5]
 - Assigned To: [Anju]
 - Description: [Project Overview Part]
 - Finish Time: [4th Apr]
- **Task 2:**
 - Estimated Points: [5]
 - Assigned To: [Anju]
 - Description: [Architecture Part]
 - Finish Time: [7th Apr]
- **Task 3:**

- Estimated Points: [5]
- Assigned To: [Anju]
- Description: [Design Part]
- Finish Time: [8th Apr]

- **Task 4:**

- Estimated Points: [5]
- Assigned To: [Sabrina]
- Description: [Machine Learning Part]
- Finish Time: [4th Apr]

- **Task 5:**

- Estimated Points: [5]
- Assigned To: [Sabrina]
- Description: [Testing Part]
- Finish Time: [12th Apr]

- **Task 6:**

- Estimated Points: [5]
- Assigned To: [Sabrina]
- Description: [Conclusion Part]
- Finish Time: [14th Apr]

User Story: [Acceptance Testing]

- **As a:** [Developer]
- **I want to:** [test the the application]
- **So that I can:** [check if the application aligns with the acceptance criteria]

Priority: [High]

Estimated Points: [16]

Acceptance Criteria:

- [It is conducted to verify that a product meets all the agreed-upon specifications before it's released to the end user.]
- [Ensures that the final product aligns with the business goals.]
- [Ensures that the final product aligns with the user goals.]

SubTasks:

- **Task 1:**

- Estimated Points: [8]
- Assigned To: [Sabrina]
- Description: [Conduct the acceptance testing]
- Finish Time: [11th Apr]

User Story: [Usability Testing]

- **As a:** [Developer]
- **I want to:** [test the the application]
- **So that I can:** [check if the application aligns with the usability testing]

Priority: [High]

Estimated Points: [16]

Acceptance Criteria:

- [To evaluate how easy and intuitive a product is to use, identifying potential problems and areas for improvement before, during, and after development.]
- [Ensures a product aligns with user needs and expectations.]

SubTasks:

- **Task 1:**
 - Estimated Points: [8]
 - Assigned To: [Sabrina]
 - Description: [Conduct the usability testing]
 - Finish Time: [10th Apr]
- **Task 1:**
 - Estimated Points: [8]
 - Assigned To: [Anju]
 - Description: [Conduct the usability testing]
 - Finish Time: [11th Apr]

User Story: [Responsive Website]

- **As a:** [User]
- **I want to:** [see a responsive and clear web page suitable for all devices]
- **So that I can:** [interact with the web easily and enjoy the experience]

Priority: [High]

Estimated Points: [8]

Acceptance Criteria:

- [The web page has a clear and consistent layout.]
- [The font is readable and visually appealing.]
- [The page is optimized for various screen sizes and devices (e.g. desktop, tablet, mobile).]
- [The page loads quickly (e.g. within 3 seconds) and is responsive.]
- **Task 1:**
 - Estimated Points: [8]
 - Assigned To: [Ze Li]
 - Description: [make the website responsive]
 - Finish Time: [7th Apr]

Software Necessity: [Annotation For Each Function]

- **As a:** [developer]
- **I want to:** [have a clear and consistent annotations for each function in the program]
- **So that I can:** [understand the functionality of each function easily and maintain the program easily]

Priority: [Medium]

Estimated Points: [8]

Acceptance Criteria:

- [Each function has a clear and concise annotation that describes its purpose and behavior.]
- [Annotations are written in a consistent format throughout the program.]
- [Annotations include information about the function's parameters, return values, and any exceptions it may throw.]
- [Annotations are accurate and up-to-date, reflecting the current implementation of the function.]
- [Annotations are written in a way that is easy for other developers to understand.]
- [Annotations include any relevant details about the function's dependencies or interactions with other parts of the program.]
- [Annotations are properly formatted and follow the established coding standards.]
- **Task 1:**
 - Estimated Points: [8]
 - Assigned To: [Ze Li]
 - Description: [add annotations to each function]

- Finish Time: [8th Apr]

Software Necessity: [ML model]

- **As a:** [Developer]
- **I want to:** [develop a ML model]
- **So that I can:** [predict occupancy based on collected data]

Priority: [High]

Estimated Points: [16]

Acceptance Criteria:

- [predictions are reliable and provide actionable information]
- [predictions are made with acceptable delay]
- [forecast the number of available bikes and stands at each station for the next 24 hours]
- **Task 1:**
 - Estimated Points: [8]
 - Assigned To: [Ze Li]
 - Description: [develop a ML model for each station, train with collected data, and test the model]
 - Finish Time: [4th Apr]
- **Task 2:**
 - Estimated Points: [8]
 - Assigned To: [Ze Li]
 - Description: [integrate trained models with web application]
 - Finish Time: [5th Apr]