

Initial Project Planning

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| Date | 17th July 2024 |
| Team ID | SWTID1720025517 |
| Project Name | CodeXchange: An AI-Powered Code Translator Tool Using Palm's Chat-Baison-001 |
| Maximum Marks | 4 Marks |

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create a product backlog and sprint schedule

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members | Sprint Start Date | Sprint End Date (Planned) |
|----------|---------------------------------|-------------------|--|--------------|----------|------------------------|----------------------------|----------------------------|
| Sprint-1 | Project Setup & Infrastructure | USN-1 | Set up the development environment with the required tools, frameworks, and libraries. | 1 | High | Yuvanshan kar | 19 th June 2024 | 21 st June 2024 |
| Sprint-1 | Development Environment | USN-2 | Implement the backend infrastructure and API endpoints for integrating Palm's Chat-Baison-001 model. | 2 | High | Advaith | 22 nd June 2024 | 24 th June 2024 |
| Sprint-2 | Data Collection & Preprocessing | USN-3 | Gather sample code snippets and datasets from different programming languages for training the model. | 3 | High | Varun, Anais | 25 th June 2024 | 27 th June 2024 |
| Sprint-2 | Model Selection and Evaluation | USN-4 | Research and evaluate various AI-powered models for code translation, selecting the most suitable one. | 3 | High | Yuvanshan kar, Advaith | 28 th June 2024 | 30 th June 2024 |

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|---------------|--------------------------------------|--------------------------|--|---------------------|-----------------|---------------------|----------------------------|----------------------------------|
| Sprint-3 | Model Integration & API Development | USN-5 | Develop and deploy the selected model as an API, ensuring it can handle code translation requests. | 4 | High | Advaith | 1 st July 2024 | 4 th July 2024 |
| Sprint-3 | User Interface Design | USN-6 | Design and implement a user-friendly web interface for CodeXchange, allowing users to input code snippets. | 2 | Medium | Anais | 5 th July 2024 | 7 th July 2024 |
| Sprint-4 | Testing and Quality Assurance | USN-7 | Conduct rigorous testing of the code translation functionality, ensuring accuracy and reliability. | 2 | Medium | Yuvanshan kar | 8 th July 2024 | 11 th July 2024 |
| Sprint-4 | Documentation and Final Adjustments | USN-8 | Prepare comprehensive documentation for CodeXchange and make final adjustments based on feedback. | 1 | Low | Varun | 12 th July 2024 | 15 th July 2024 |