# Project Planning Outline

Please use this outline to plan your project.

Please put your project plan in your README.md file in your repository.

# Project Overview

* **Project Name**: [Project Name]
* **Project Owner**: [Owner Name]
* **Project Goal**: [High-level goal of the software]
* **Stakeholders**: [List of key stakeholders]

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# Customer Story

The customer scenario can also called the business requirements.

* Develop a creative story about your customer.
* Describe the challenges faced by the customer.

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# Project Plan

* Define project scope and requirements.
* Create a project plan with milestones and deadlines.

# Project Milestones

A project milestone is a significant event or achievement that marks progress towards a project's overall goal. It serves as a checkpoint to track the project's advancement, measure performance, and identify potential issues.

Milestones can be used to:

* **Measure progress:** They provide a clear indication of how far a project has come and whether it is on schedule.
* **Manage expectations:** Milestones help set realistic expectations for stakeholders and keep them informed about the project's progress.
* **Identify risks:** By tracking milestones, you can identify potential risks or challenges that may impact the project's timeline or outcome.
* **Allocate resources:** Milestones can be used to allocate resources effectively and ensure that the project has the necessary support to meet its objectives.

**Key characteristics of effective milestones**

* **Specific:** Clearly defined and measurable.
* **Achievable:** Realistic and attainable within the project's timeline and resources.
* **Relevant:** Aligned with the project's overall goals and objectives.
* **Time-bound:** Assigned a specific deadline.

**Example milestones**

* Project kick-off and customer interview.
* UI design and database schema development.
* Integration, testing, and bug fixing.
* User training and documentation.
* Final project presentation and handover to customer.

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# System Design

* Define the system's architecture and modules.
* Create a high-level flowchart illustrating the software's operation.
* Discuss data storage and security considerations.
* Ensure data integrity and error handling.
* Create pseudocode.

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# User Interface Design

Get out a pencil and paper to design and mockup what you think the interface will be based on the Customer Story. Scan the sketches and paste into this document.

* Design the user interface of the application.
* Create wireframes and mockups.
* Consider user experience and accessibility.

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# Testing and Debugging

* Conduct thorough testing to identify and fix bugs.
* Ensure data accuracy and software reliability.

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# Documentation and Presentation

* Document the project's code and functionalities.
* Prepare a presentation on the project's development and features.

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