Project Plan

Project Steps

Id	Name	Description	Status
1	Creating software specification	A. Defining functional requirements B. Creating use case diagrams C. Creating designs	
2	Planning and tasks creations	A. Create tasks on project management tool (JIRA) B. Creating team or selecting individuals	
3	Development	A. Prepare development infrastructure B. Prepare code repositories C. Working on tasks	
4	Production	A. Creating production ready infrastructure B. Connecting with code repositories C. Security and performance audit	

Steps Explanation

1.Creating software specification

Software specification is a blueprint of the project, it covers as well technological research or proof of concept, the primary objective is checking all critical elements that could influence the project execution.

A. Defining functional requirements

This part represents a set of all use cases that Your project must have. It can vary from simple sign in functionality to Chat GPT integration. It is important to represent a project plan in a structured way so developers and project managers see the full road map.
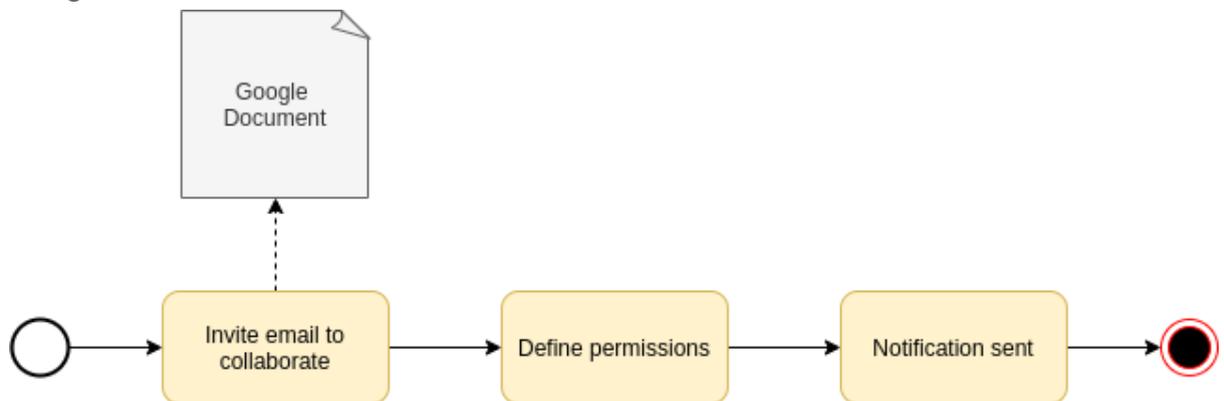
Example:

Bot Integration with Google Meet

Id	Name	Description
1	Bot can connect to Google Meet	Bot can connect to Google Meet and record audio streams.
2	Audio stream is pre-processed in real-time	Software must be able to pre-process incoming audio streams in real time.

B. Create use case diagrams

Entity Relationships Diagrams (ERD) or Business Process Modeling Notation Diagrams (BPMN) are powerful tools. Design and excellent wireframes will never replace it as in its true nature diagrams are powerful thanks to their simplicity. Diagrams represent the single source of truth to which all project members can refer to if facing issues about functional requirements implementation.

Example:

Google Document Invitation Process

C. Creating Designs

Designs are not part of each software specification but I experienced that vetted designers may greatly simplify the use cases and functional requirements. Designer wants to make the software interface user oriented, easy to understand and simple. And software engineers tend to make software more sophisticated than needed.

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