Milestones

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Ethical, Legal, and Security Considerations document

Your team will create a set of github pages discussing the potential ethical, legal, and security implications of your app. The aim is to identify potential problems or issues that might arise from the app's use and develop an initial plan to either prevent these...

Due by October 21, 2025

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Architecture Design

Now that you're comfortable with your framework, write a document outlining the major parts of your code. The structure will depend on your chosen framework. You must watch the : https://www.youtube.com/watch?...

Due by October 17, 2025

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Application Design

APPLICATION DESIGN UPDATE: Add Process Flow Add your tool name /api name/team name on top of the assignment Create content based on the accessibility Look into alternate APIs as well and keep them as an option for later For this milestone your...

Due by October 1, 2025

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Project Requirement Document (PRD)

Project Requirement Document (PRD) Objective: Create a comprehensive PRD with an architecture Duration: 2 weeks from 24th September to 8th October 2024 Lectures Watch the Development MethodologiesLinks to an external site. lecture before starting...

Due by October 17, 2025

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Milestone 1: Project Brainstorming and Selection

For this milestone you will Have your first group meeting. Figure out how you will get organized, what your team name will be. Agree on a general description of what your app will do. At your first team meeting you should: Exchange contact information wit...

Due by September 10, 2025

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Proof Of Concept Milestone

Description This is the major release milestone for this semester. Your task is to develop a comprehensive proof of concept for your app. Here's what you need to do: Use Libraries Significantly: Your app should make significant use of all the libraries required for t...

Due by November 21, 2025

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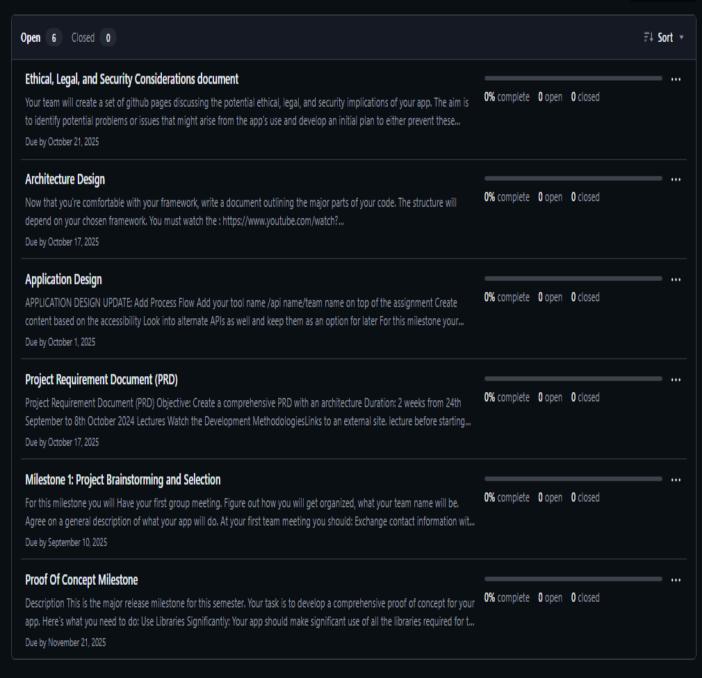
Project Description :

      GURU is an AI business guru designed to help online entrepreneurs and retailers scale operations, grow revenue, and jump the learning curve with data-driven decisions and your own personalized AI business guru. GURU blends intelligent analytics with automated insights to guide users toward accurate, logistical, and more profitable strategies.The app allows users to store and manage inventory, track sales data, generate personalized fiscal reports, analyze performance trends, and allows access to have a perpetually learning AI guru to serve as your personal business advisor.

Technologies:

Front-end: Python/React Back-end : PostgreSQL/Django A.I.: Open AI APIs: Streamlit API

Client: Startup

Team Organization :

Determined Meeting Time :
Tu/Thu (after class) 8:30pm

Chat Service :

Discord (communication) & Jira (collaboration)

Project Build Outline:

Platform: React to create the web application and its functions. IDE: VSCode for its extensions, collaboration tools, and cross-platform support. Backend: PostgreSQL for the primary database option needed for transactional and inventory data while supporting scalability for larger datasets.
Libraries: For data visualization and A.I., we are considering Chart.js to create graphical reports and scikit-learn for implementing analytical models.
APIs: Streamlit, FastAPI, Streamlit

What Do We Want To Learn:

Rainer : I'm looking most forward to being a group lead for this project honing my managerial and communication skills for a long-term technical project. I'd like to have my focus while working on the project to be towards the AI implementation as it's a skillset I want to further develop.

Rajvir: I want to learn how to better work with a team to achieve a project goal as will be needed in the industry. I also want to learn a bit more about frontend development as well as backend development. Learning how to work with react will also be cool.

Emmanuel : I want to learn working together as a team and get valuable experience about what is expected of me in a job environment. I'd like my focus to have a mix of roles in helping team get the best of them through insights that I hope to bring to the team.

Roles:

Rainer : Project Manager, Editor, Analyst
Rajvir : Database Developer, Repo master
Emmanuel : Tester, Researcher, Pessimist
Tochi : Frontend
Jay : Backend