



# AI Powered Schedule Companion: Project Plan

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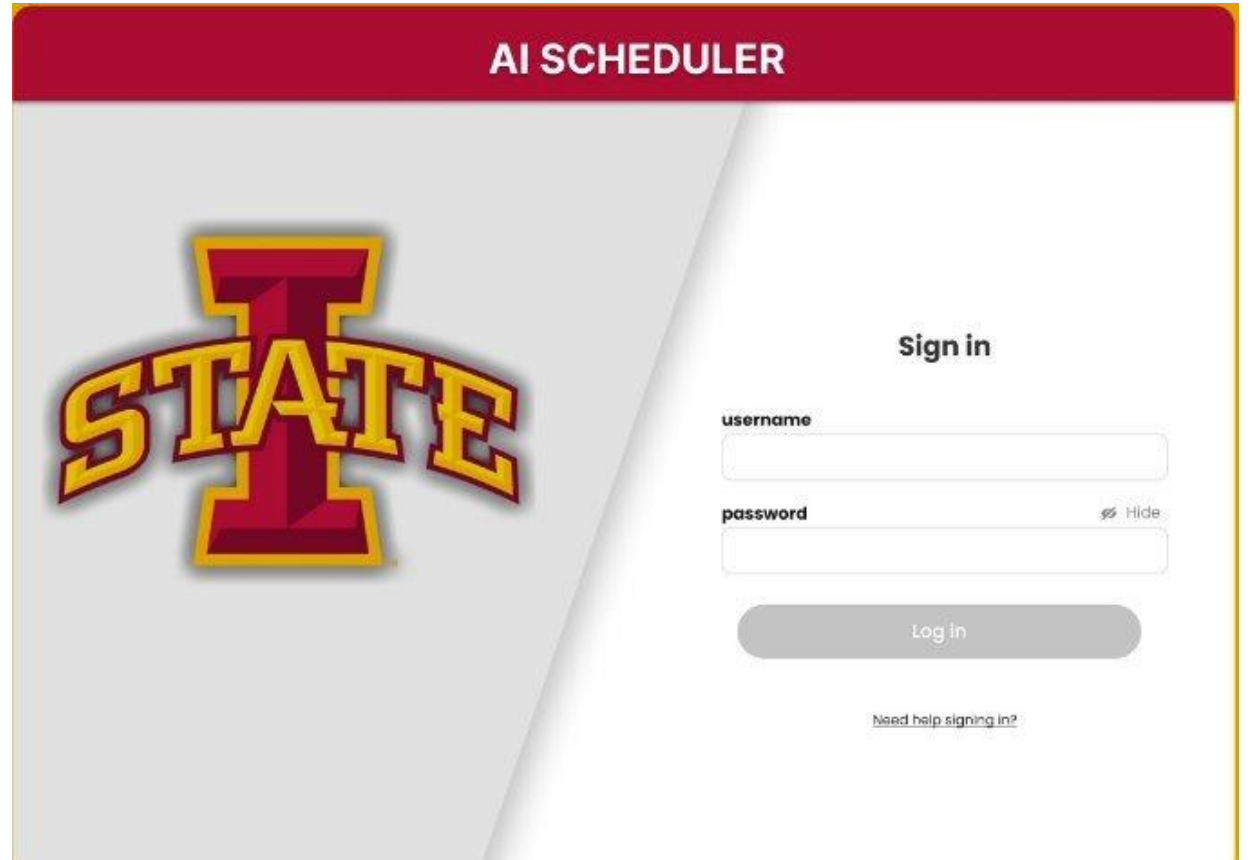
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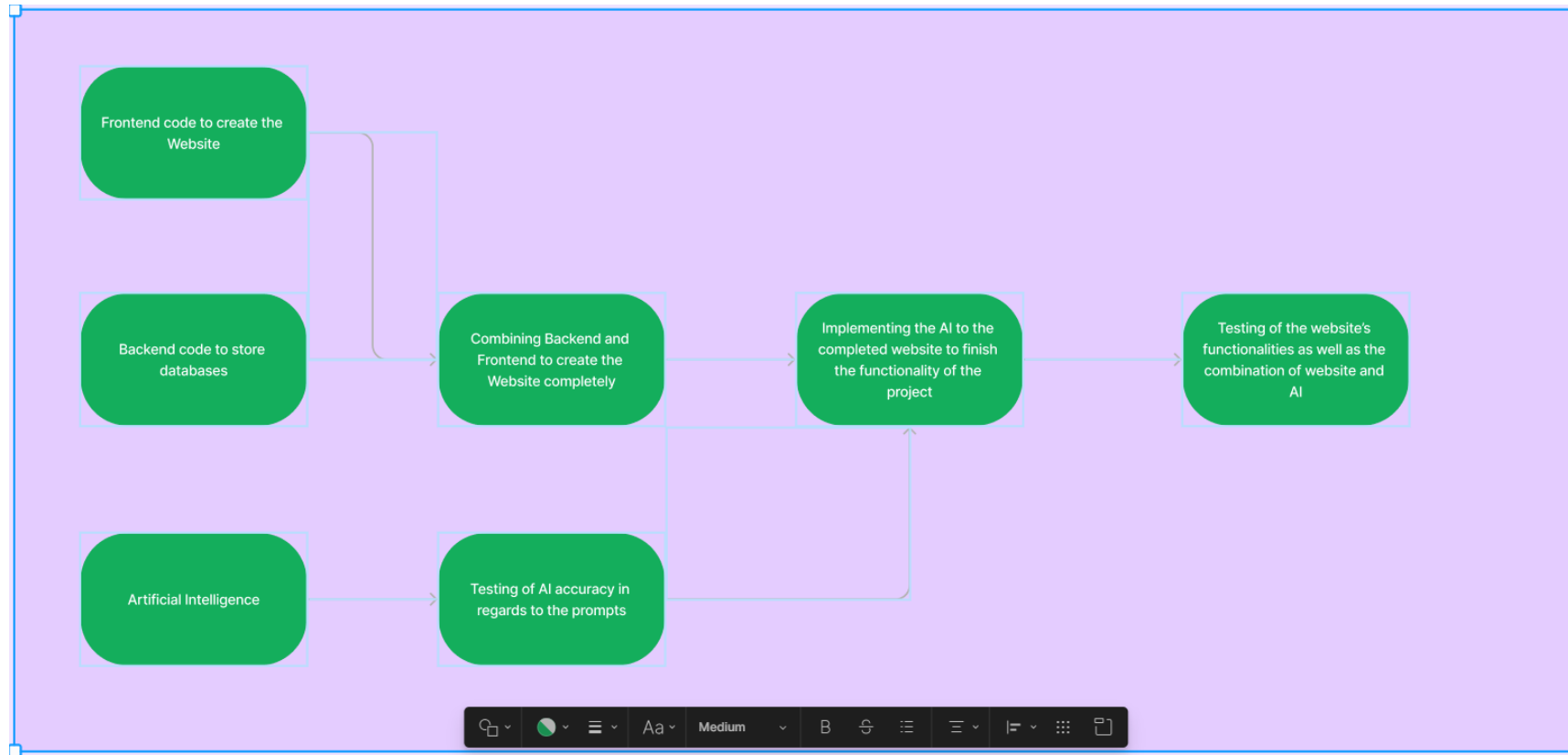
# Project Overview

- AI Powered Schedule Companion
  - Website/Application to aid in creating a semester schedule.
  - Uses ChatGPT-based AI
  - User prompts allow AI to create the schedule



The screenshot shows a web interface for an "AI SCHEDULER". At the top, a dark red header contains the text "AI SCHEDULER" in white. Below the header, the left side features a large, stylized Iowa State University logo in maroon and gold. The right side is a white login form with the heading "Sign in". It includes two input fields: "username" and "password". The password field has a "Hide" toggle icon. Below the fields is a grey "Log in" button. At the bottom right of the form, there is a link that says "Need help signing in?".

# Task Decomposition



# Milestones

- Milestones:
  - Have the frontend create a fully working website
  - The backend compliments the frontend
  - The AI does its assigned job of creating a schedule
  - Placing the AI in the website
  - Fine-tuning and fixing anything afterward (the ending milestone, this signifies the project at least “works”)



# Metrics

- Metrics:
  - Frontend: Create a fully usable and user-friendly website which is easy to traverse
  - Backend: All the code must work in tandem with the frontend (values from front and back must be consistent)
  - AI: The program must be at least 95% accurate in order for it to be implemented
  - Implementation: All three parts must work together and not cause any breaks. If there are breaks, that part and those assigned people must work to fix the issue.
  - Fixing and Fine-Tuning: Input is taken from the advisor and client and followed (as long as it makes sense).





# Risks and Risk Mitigation

- Key Risk: One major task is not completed
  - Probability: Unlikely
  - Consequences: To complete the project; backend, frontend, and the AI must be implemented *together*. If one of these is not, the project can not be completed and the other two will be stuck doing nothing.
- Mitigation Idea: Constant work from each part and regular checkups to ensure that progress is made. It is fine if unequal progress is made, so long as everyone can present a piece that works to bake our project cake.