

Intelligent Tutor System



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01

Project Objective



Project Objective

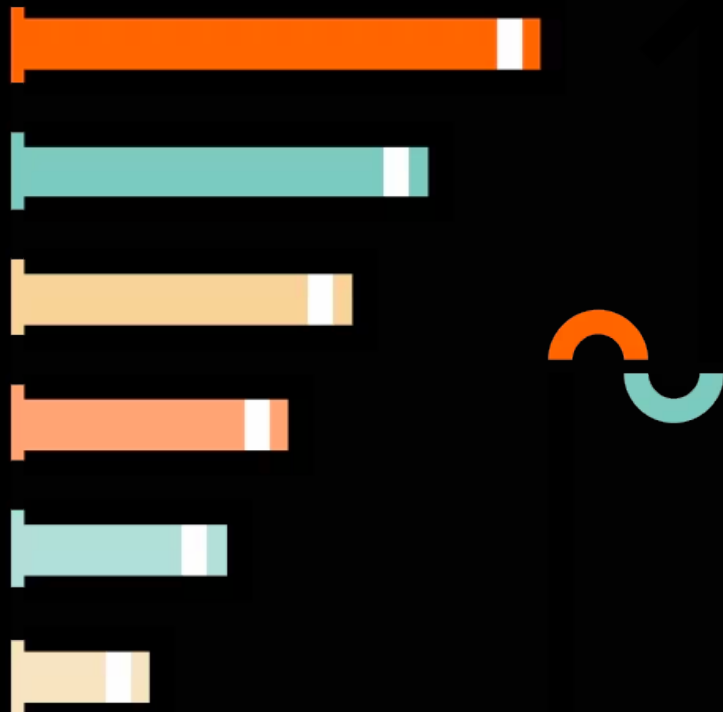
The objective of the project is to develop an intelligent tutoring app that revolutionizes the way students learn by leveraging the power of artificial intelligence and adaptive learning techniques.

The primary goal of the project is to create a platform that understands and caters to individual student needs, preferences, and learning styles.



02

Recap



- Meeting with Microsoft mentors to establish a plan and gauge the scope of the project.
- Developed a broad project plan.
- Implementing Cosmos DB and trying to integrate it with the backend to facilitate efficient data storage and retrieval for user login and signup.
- Explored and familiarised with the features of OpenAI's API to generate questions according to different difficulties.



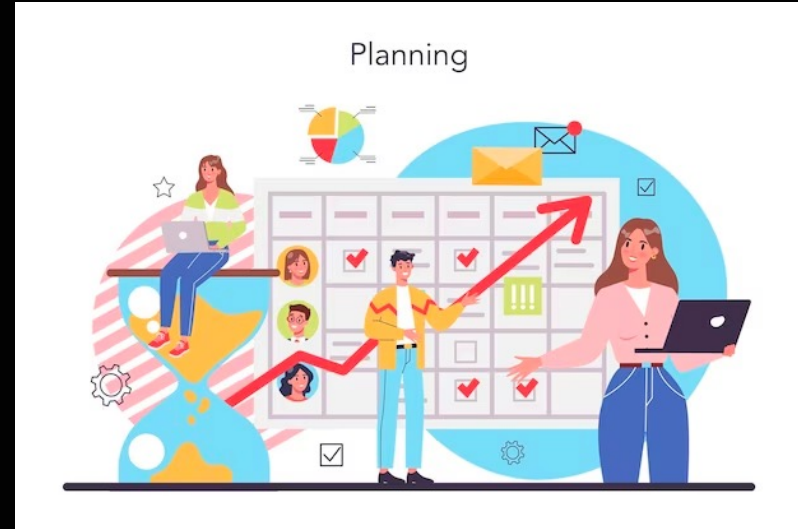
03

Current Progress



Current Progress

- Deploy UI to Azure Web App Service
- Created REST Service for the Backend
- Created Data Model for storing questions in Database from Backend
- Implemented OpenAI model for question and answer generation
- Added sample questions generate with OpenAI to CosmosDB
- Display questions based on difficulty selected and check the answers



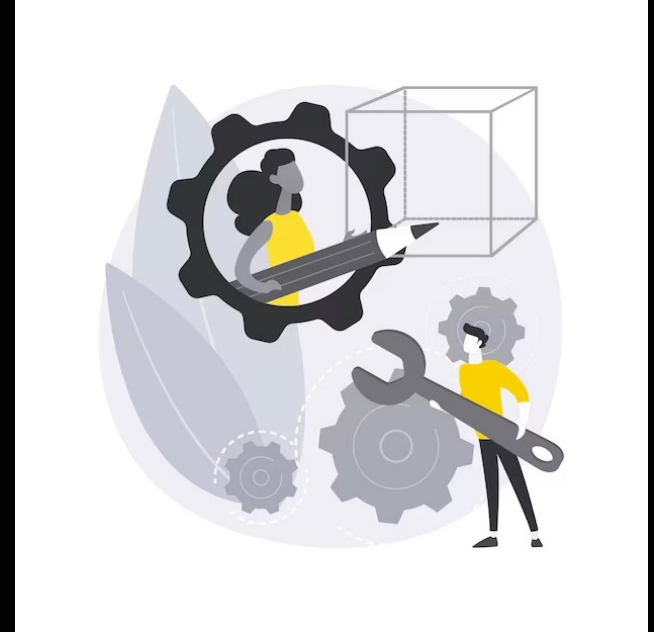
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Plans for Coming Week



Plans for Coming Week

- Deploy Backend to Azure
- Integrate UI and Backend REST
- Integrate Backend with OpenAI
- To create a working Login and Sign-up Page
- Process the UI to get questions from Backend



05

Brief review of roles and tasks



Roles	Dev1	Dev2
Front-end	Jayesh Bhatt	Sehba Nourein
Back-End	Rayyan	Ross Murphy
Cloud	Kartik Dhongadi	Sehba Nourein
Administration	Kartik Dhongadi	Rahul Kantode
Data Science & ML	Rahul Kantode	Rayyan
Integration	Ross Murphy	Jayesh Bhatt

Front-end	Back-end	Cloud/Admin	Data science/ ML
How to make web application	DB Schema.	Web-app deployment	Categories for subject of interest (For data collection)
No. of web pages	Connectivity of webapp to cosmoDB	Setup of cosmo-DB	Category of lectures, quizzes and exercises (For data collection)
Design of each webpage	Which webpage will require which data from DB	Setup of cog service	OpenAI model implementation
Animations or (UI/UX)	Understanding behaviour of session object	Setup of Azure-ML platform.	Trigger OpenAI from webapp or Azure?

Done	In-progress	TBD
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Thank you