



## Title of the project

# Comprehensive Ed-Tech Web Platform

## Mini-Project-1 : 7VSIT245





<b>Second Year Information Technology</b> <b>Academic year 2024-25</b>		<b>Semester: IV</b>
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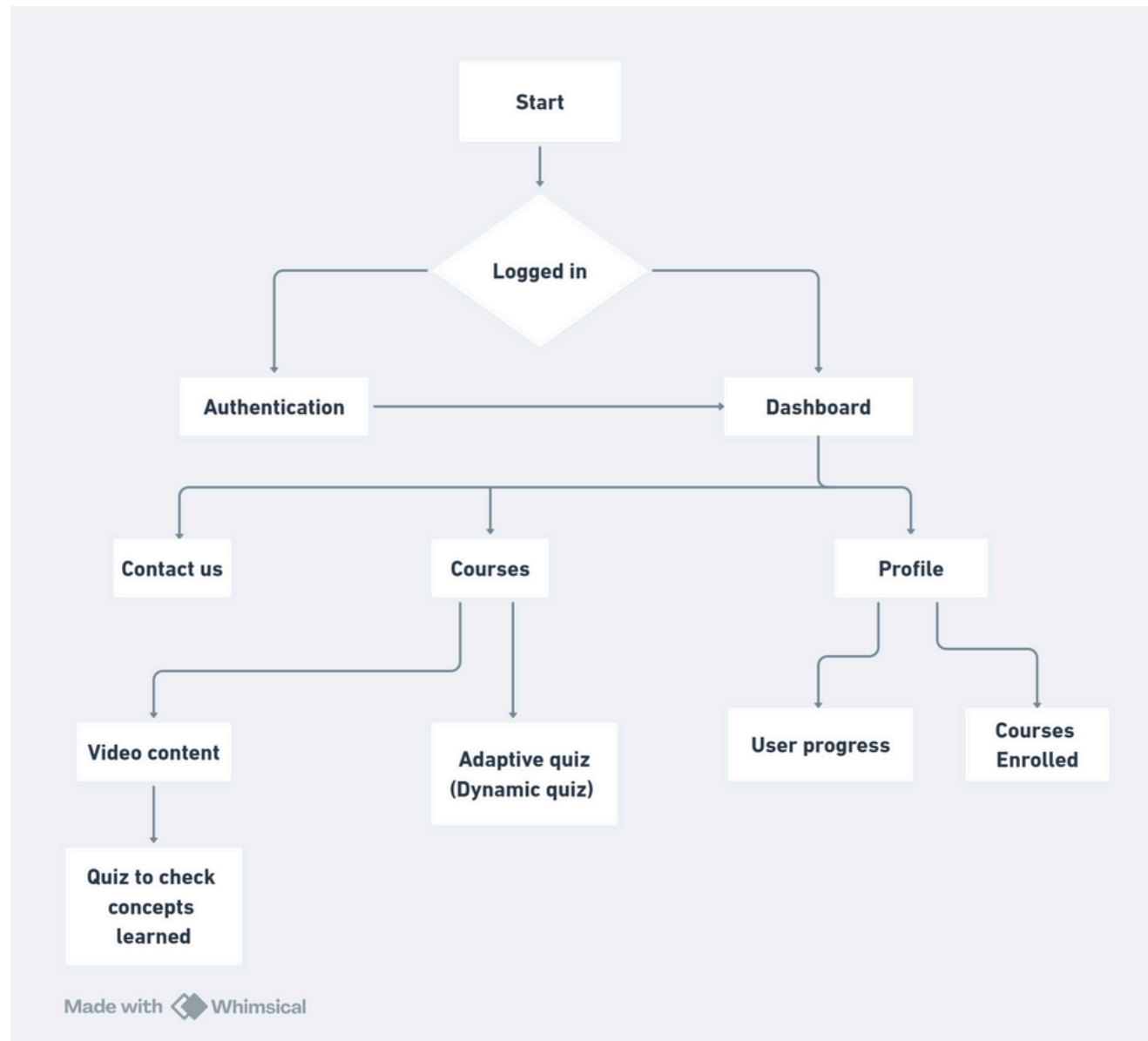
**Develop a Ed-Tech platform using the MERN stack to enhance personalized learning experiences, especially for slow learners.**

- Many students and educators struggle to find a unified and interactive platform for creating and consuming educational resources. Traditional learning methods often fail to cater to students with learning difficulties, leading to gaps in understanding.
- To bridge this gap, we are developing an Ed-Tech platform using the MERN stack, integrating interactive quizzes, structured roadmaps, and accessibility-focused content to enhance personalized learning experiences, especially for slow learners.

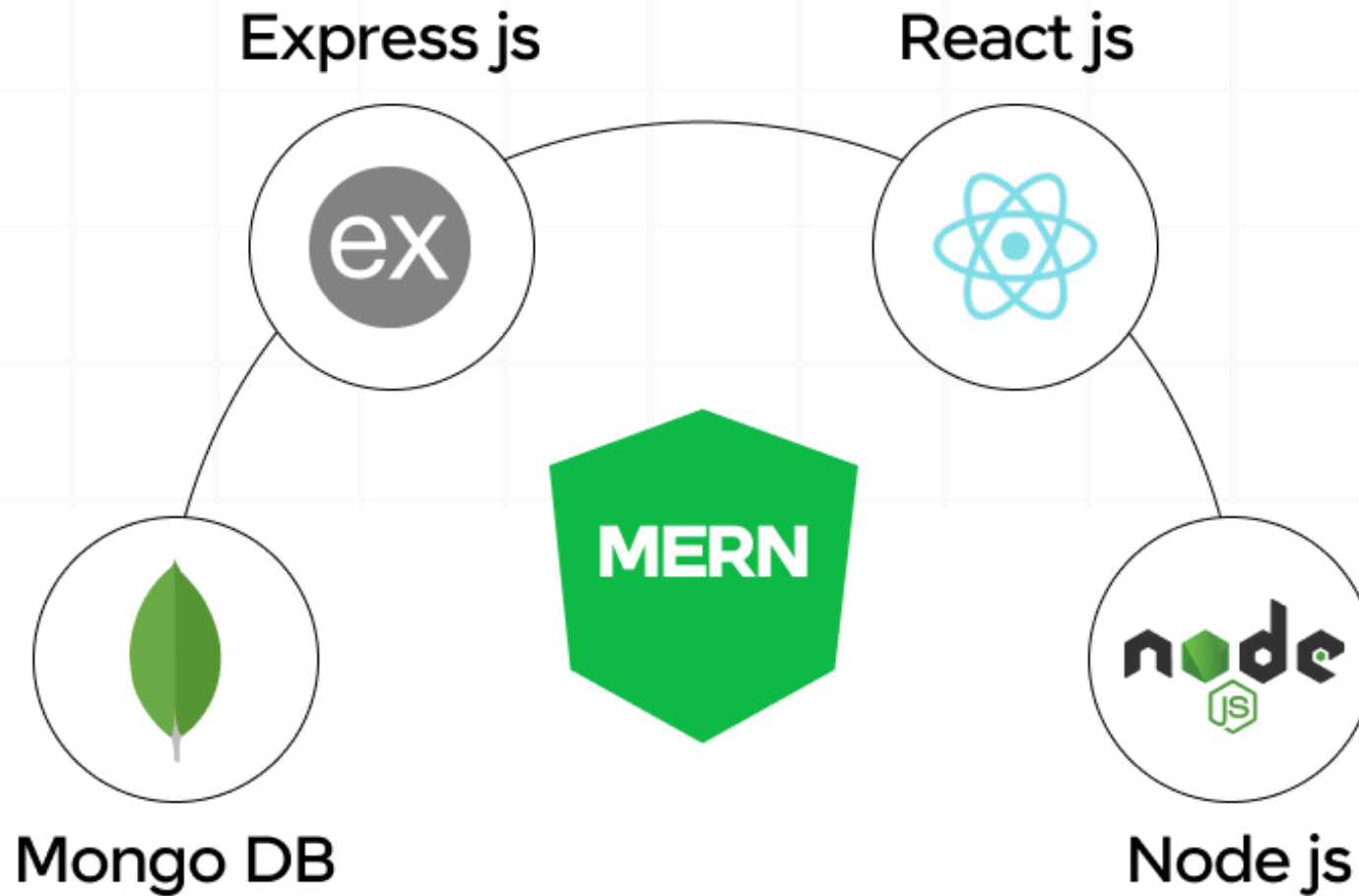


- To develop a MERN stack-based Ed-Tech platform for students and educators.
- To integrate interactive quizzes with topic-wise & difficulty-based tracking.
- To suggest learning roadmaps based on quiz performance.
- To enhance accessibility for slow learners using interactive content.

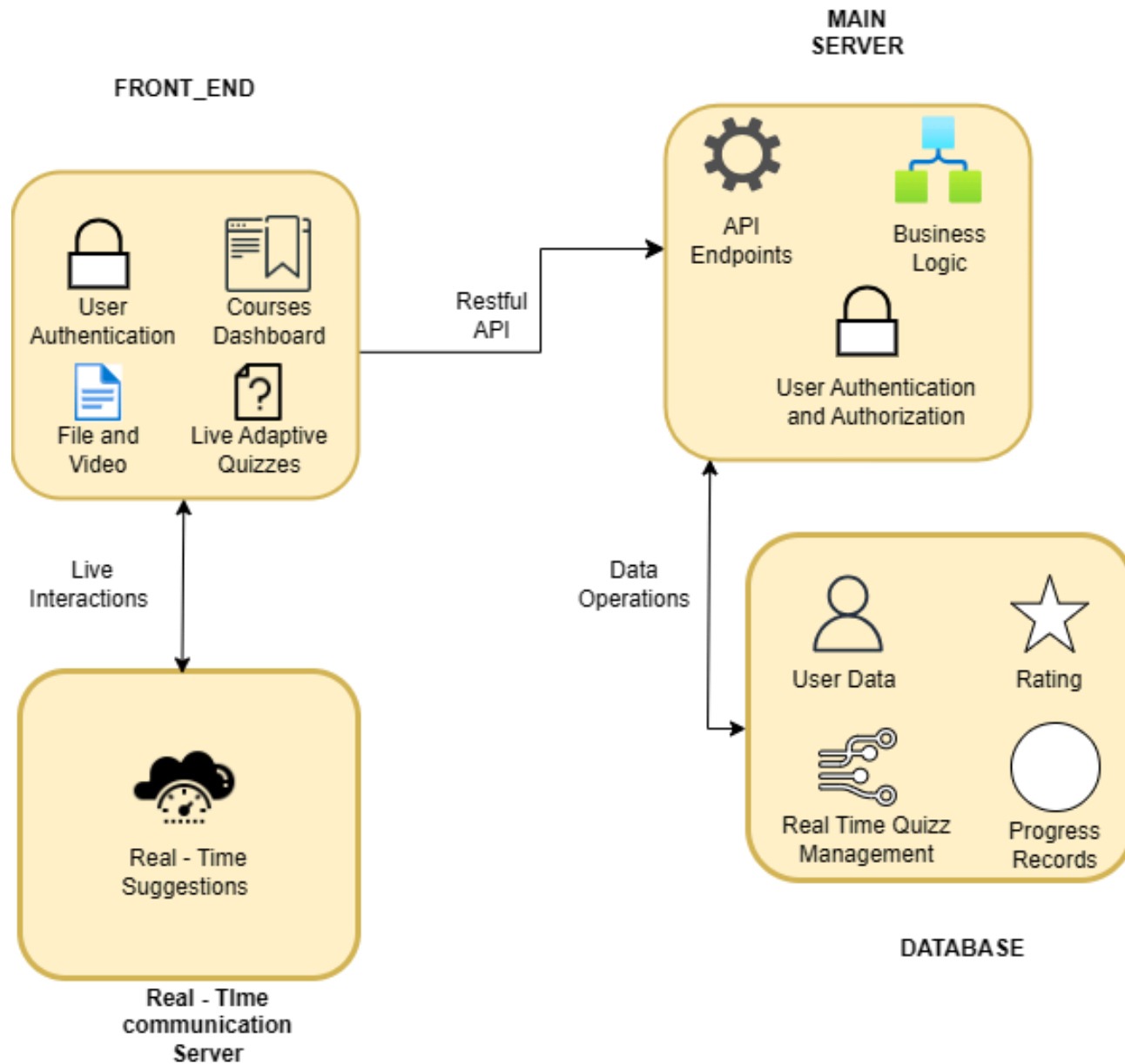
# Flow Chart



# Technology Stack







## **1. Dashboard**

Provides an overview of the platform's courses, instructors, and students.

## **2. Insights**

Displays detailed metrics, including the number of registered users, courses, and revenue.

## **3. Instructor Management**

Enables the admin to manage instructors, including their account details, courses and ratings.

## **4. Discussion Community**

Enables topic-based discussion forums for collaborative learning.

Provides moderation tools for admins to ensure a healthy discussion environment

A live discussion or chat feature allowing students to interact with instructors as well as other students in real-time.

- MongoDB Documentation - MongoDB Inc  
<https://www.mongodb.com/docs/>
- React.js Documentation - Meta  
<https://reactjs.org/docs/>
- Node.js Documentation - OpenJS Foundation  
<https://nodejs.org/en/docs/>
- Express.js Documentation - Express.js Official  
<https://expressjs.com/en/starter/installing.html>
- Cloudinary Documentation - Cloudinary  
<https://cloudinary.com/documentation>

**Thank You !**