

# DEPI Final Project

# TechEdu

WE OWN THE FUTURE

10/17/2024



وزارة الاتصالات  
وتكنولوجيا المعلومات



TECH EDU

# Team Names



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AbdelMoula



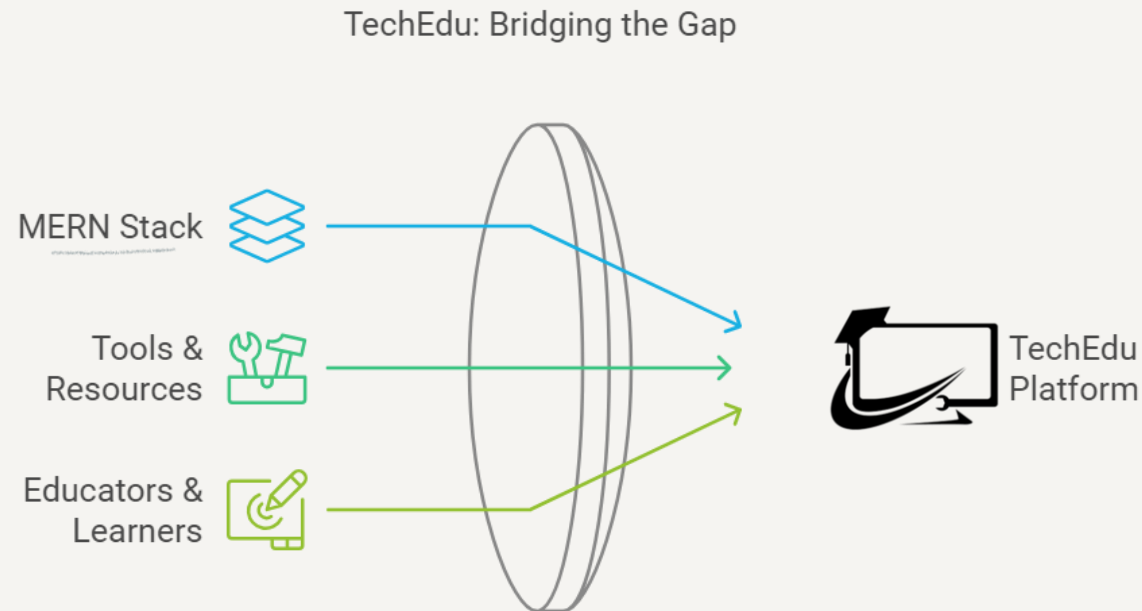
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# Brief overview of TechEdu

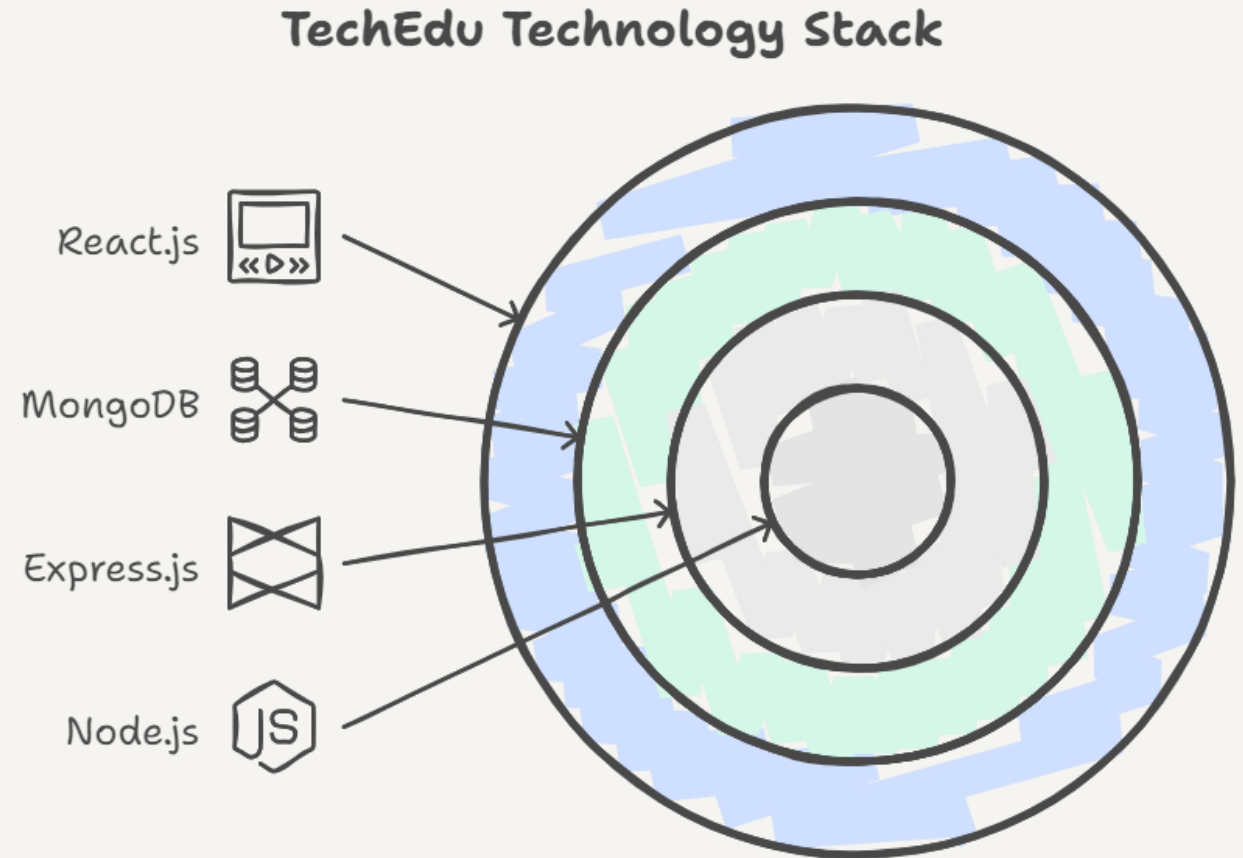
- **TechEdu** is an online education platform designed to facilitate learning and teaching across a variety of disciplines. It leverages the MERN stack (MongoDB, Express.js, React.js, Node.js) to deliver a seamless and interactive user experience. The platform aims to bridge the gap between educators and learners by providing a comprehensive suite of tools and resources



# Technologies Used

TechEdu is built using the following technologies:

- **React.js:** For frontend development.
- **MongoDB:** For database management.
- **Express.js:** For backend framework.
- **Node.js:** For server-side runtime.



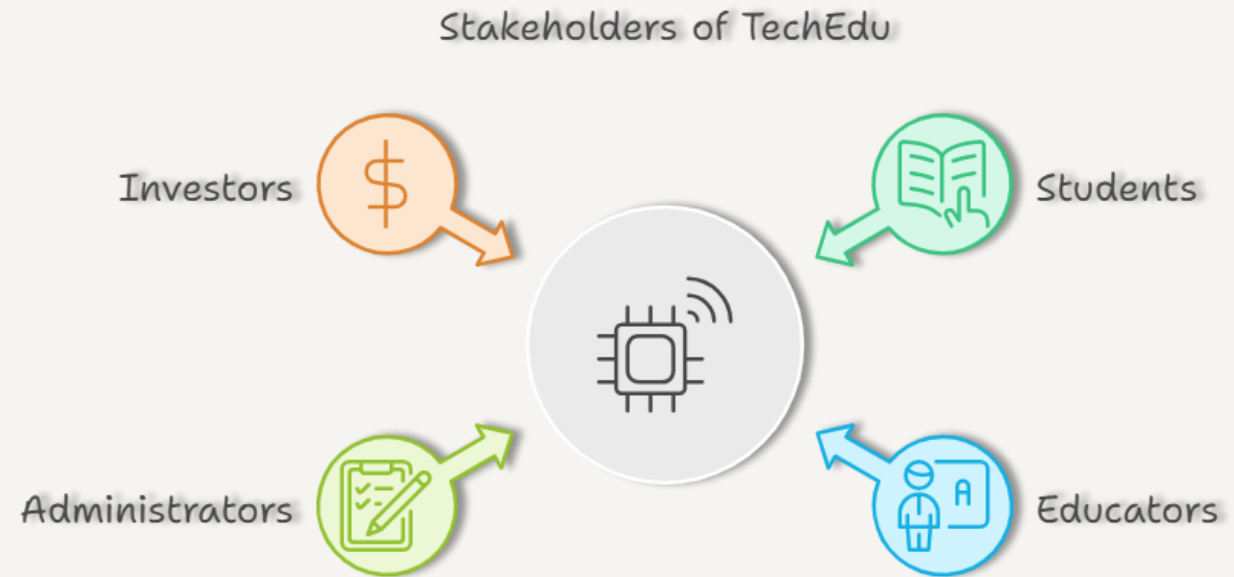
# Audience and Stakeholders

**Students:** Individuals seeking to learn new skills and knowledge.

**Educators:** Professionals creating and managing educational content.

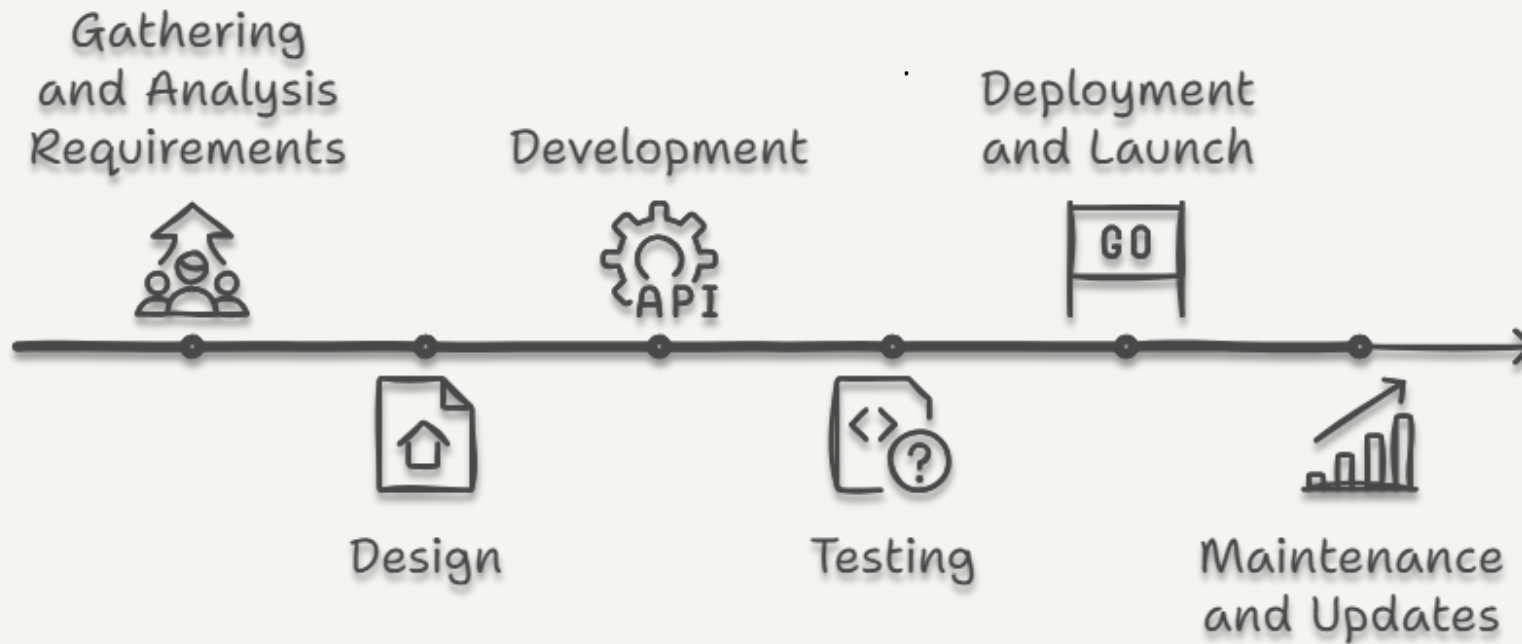
**Administrators:** Users overseeing the platform's operations and maintenance.

**Investors:** Parties interested in the development and success of the platform.

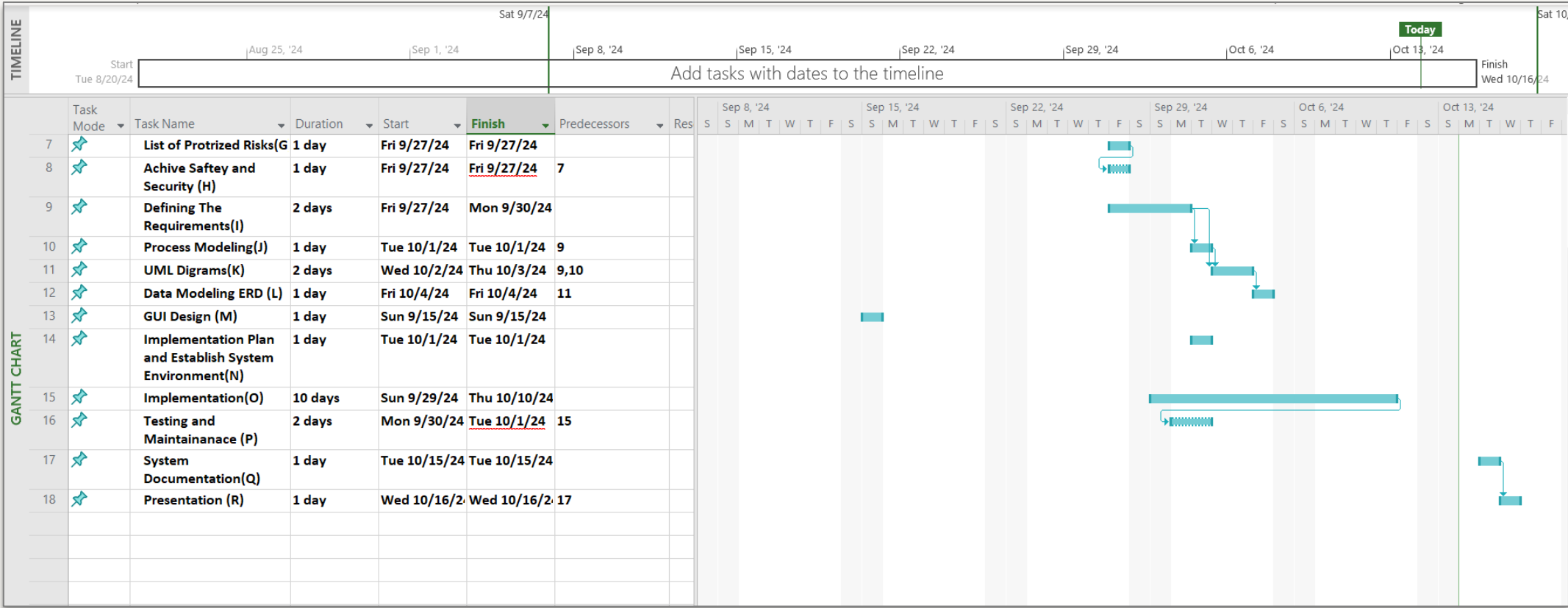


# TechEdu Sequence

## Project Timeline Sequence

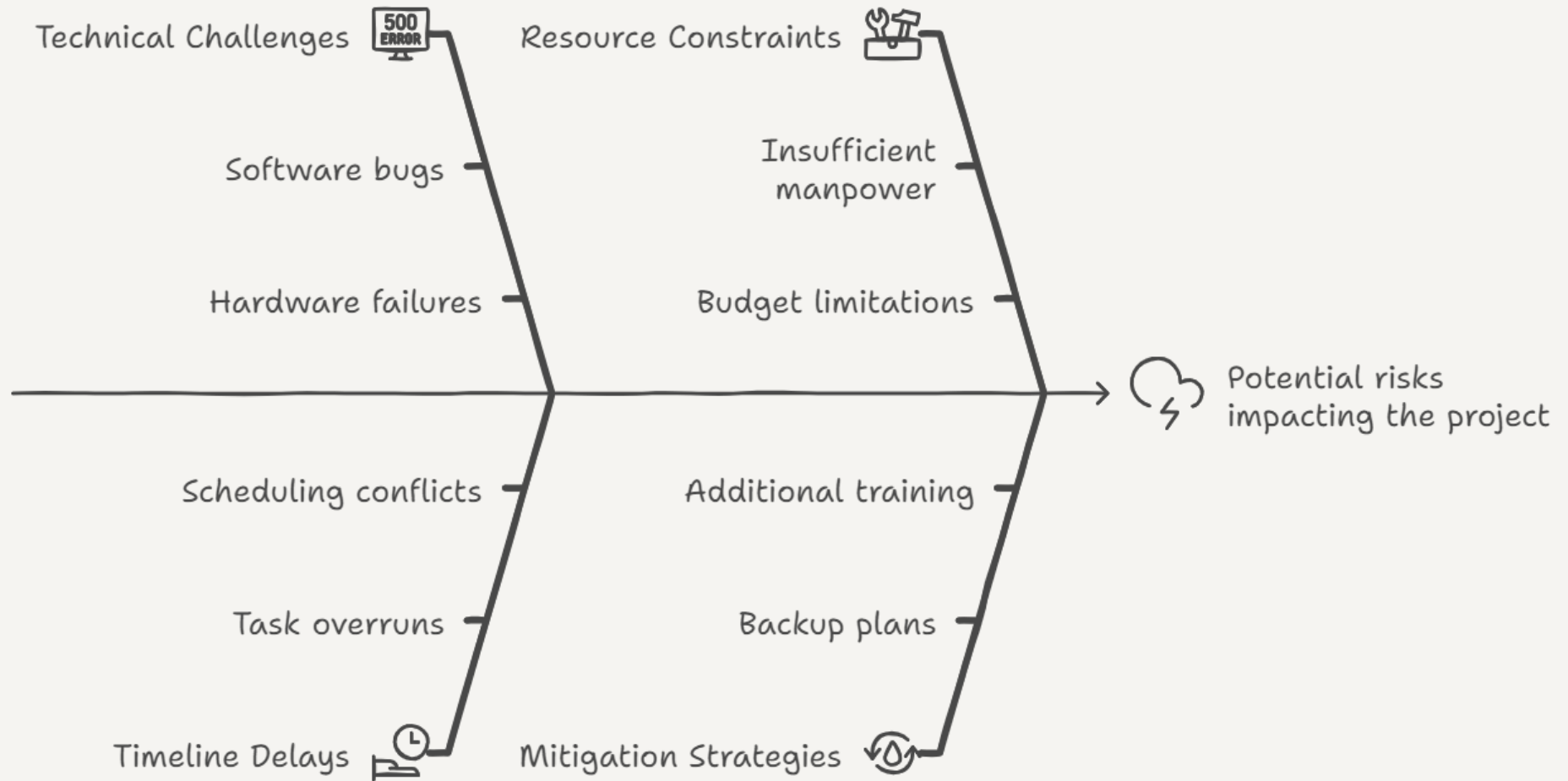


# TechEdu Sequence





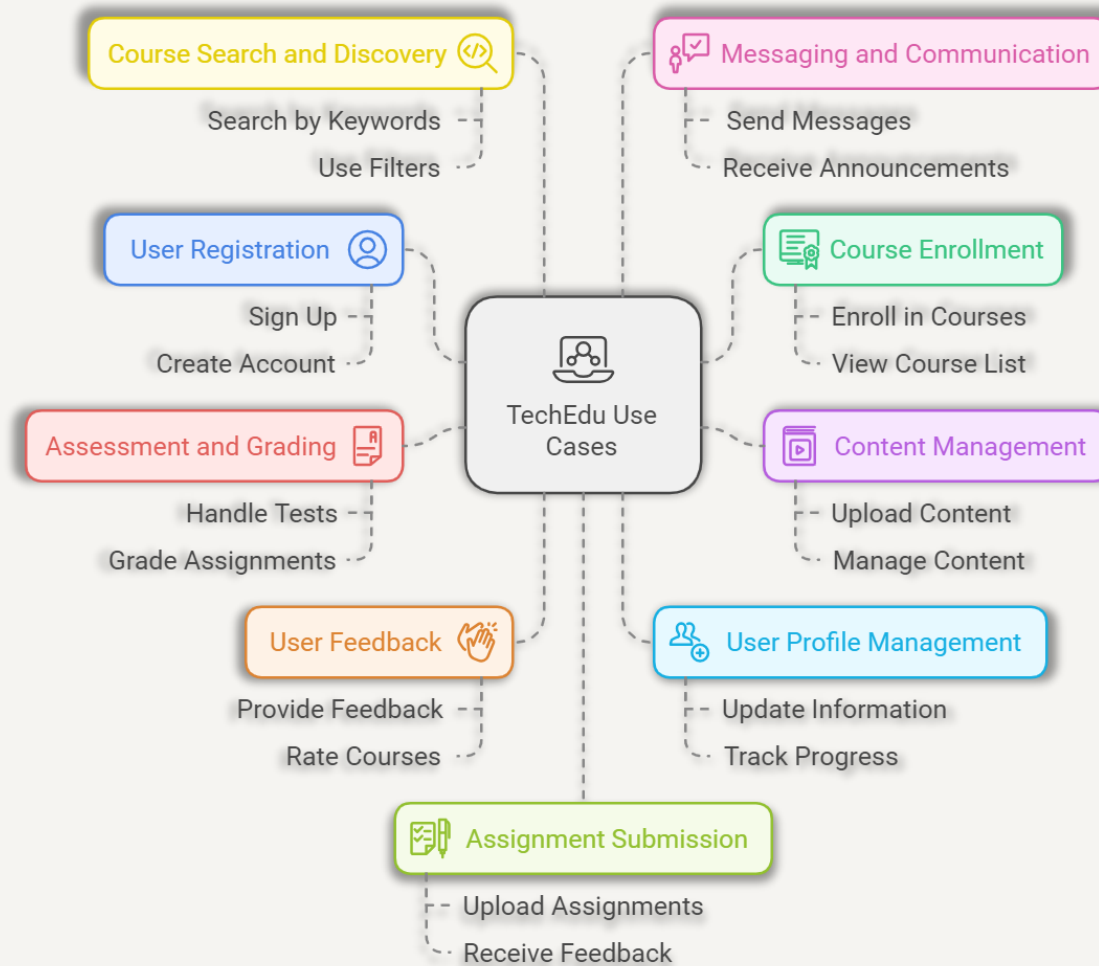
# TechEdu Sequence



# Functional and Non-Functional Requirements

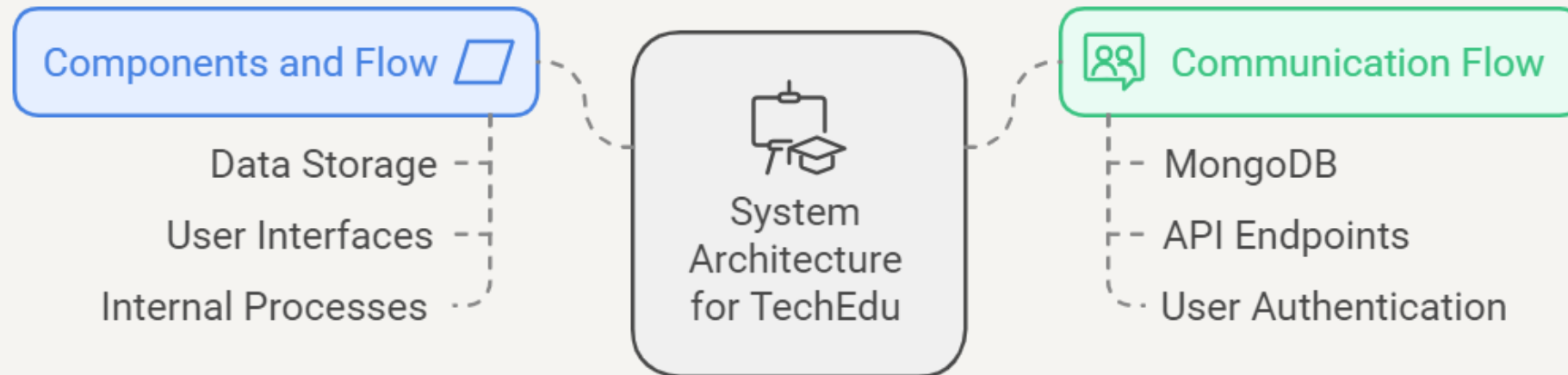


# TechEdu Use cases

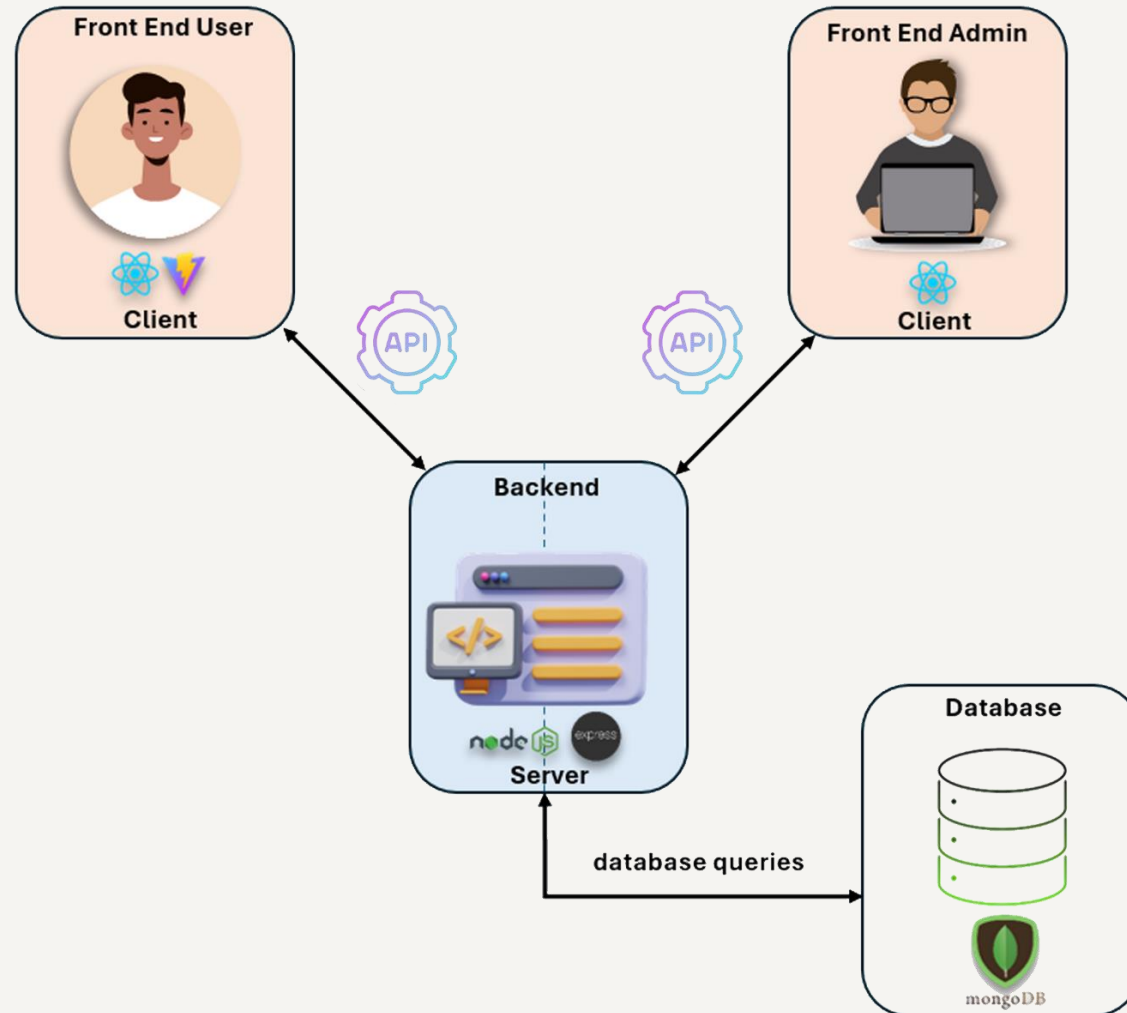


# System Architecture

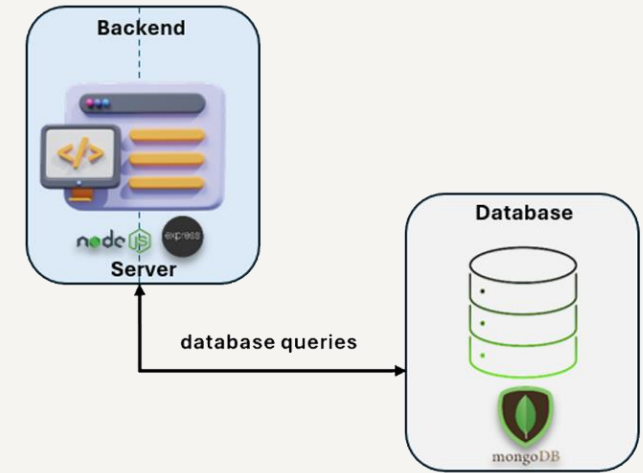
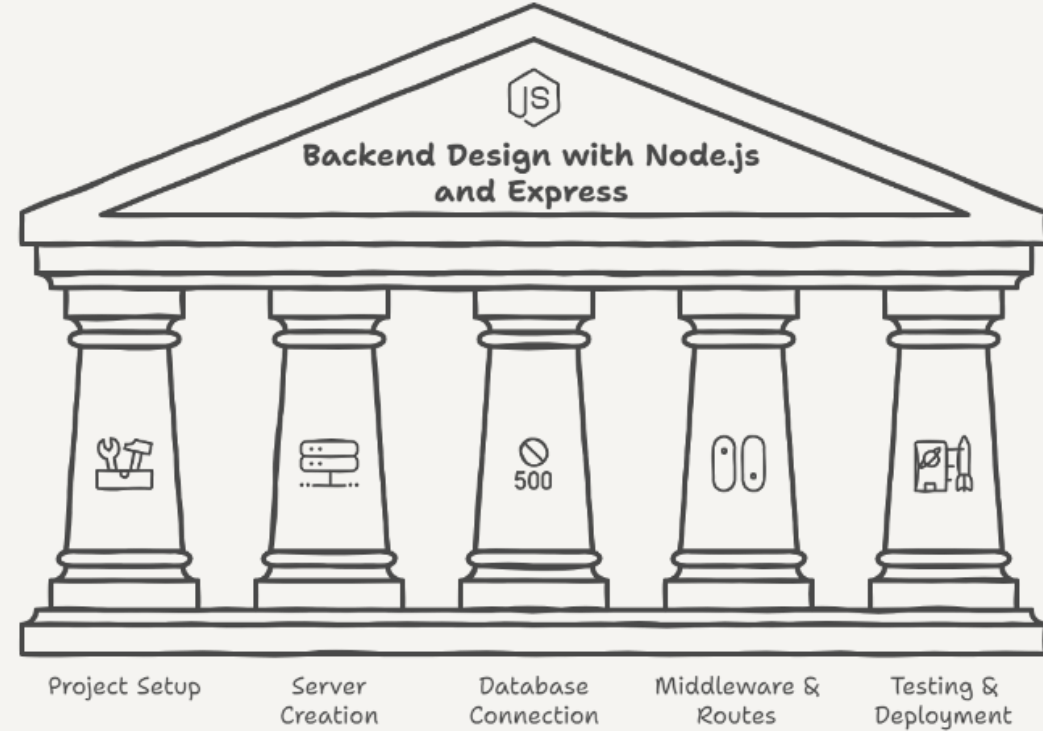
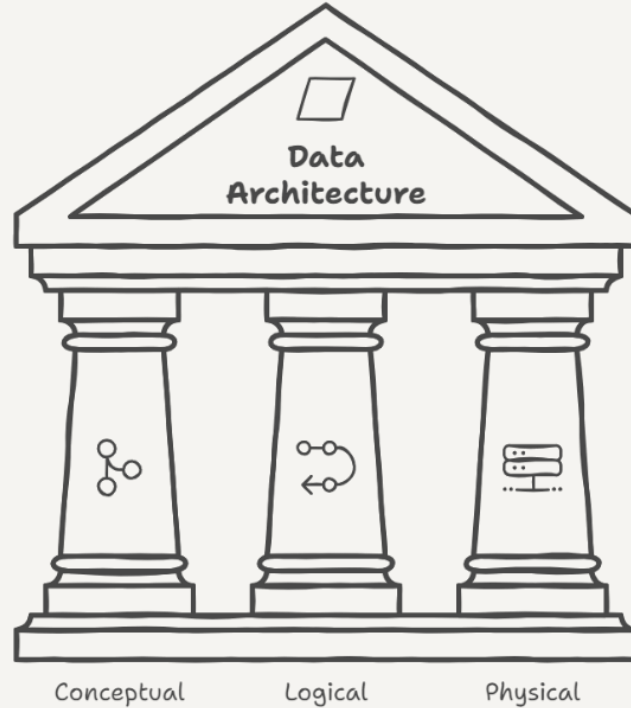
- **System Architecture** for TechEdu built from two things Components and Flow and communication flow



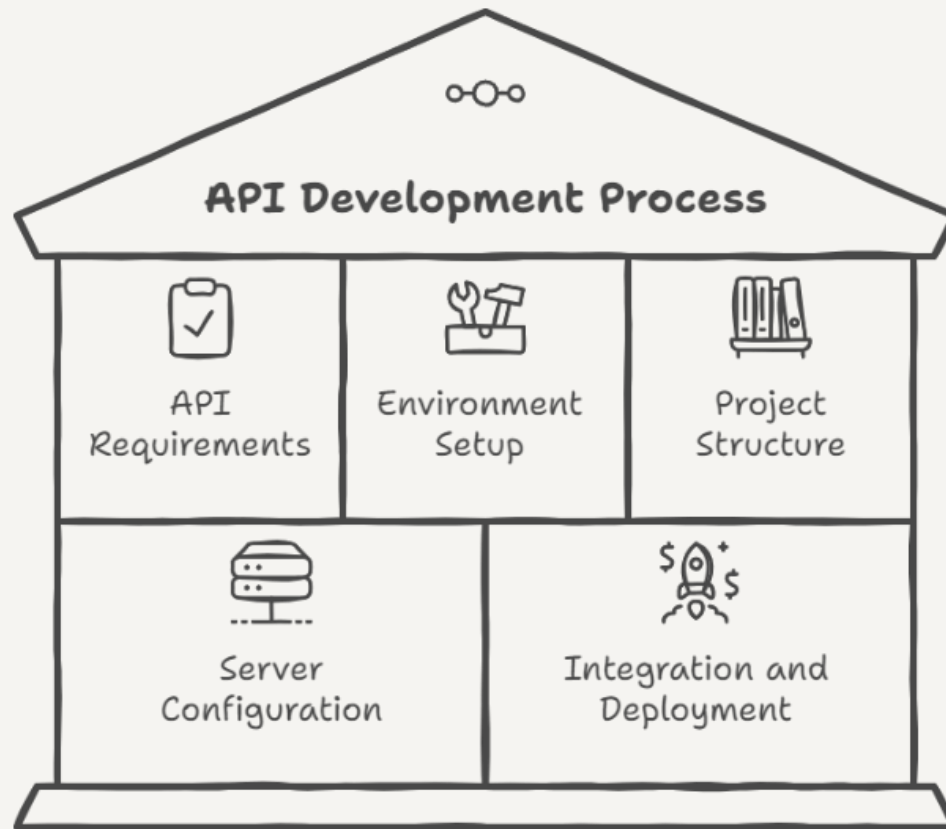
# System Architecture



# Design of Each Building Block



# Design of Each Building Block



# Design of Each Building Block

## User and Admin



### User Frontend

Seamless user experience

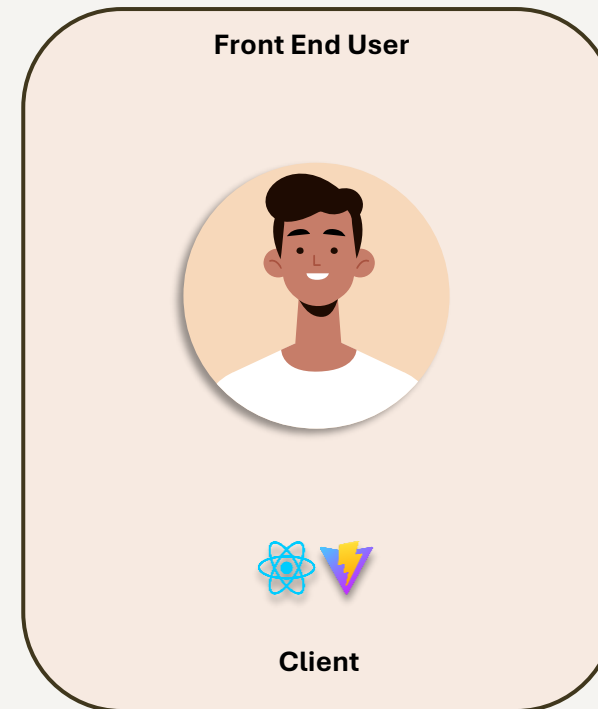
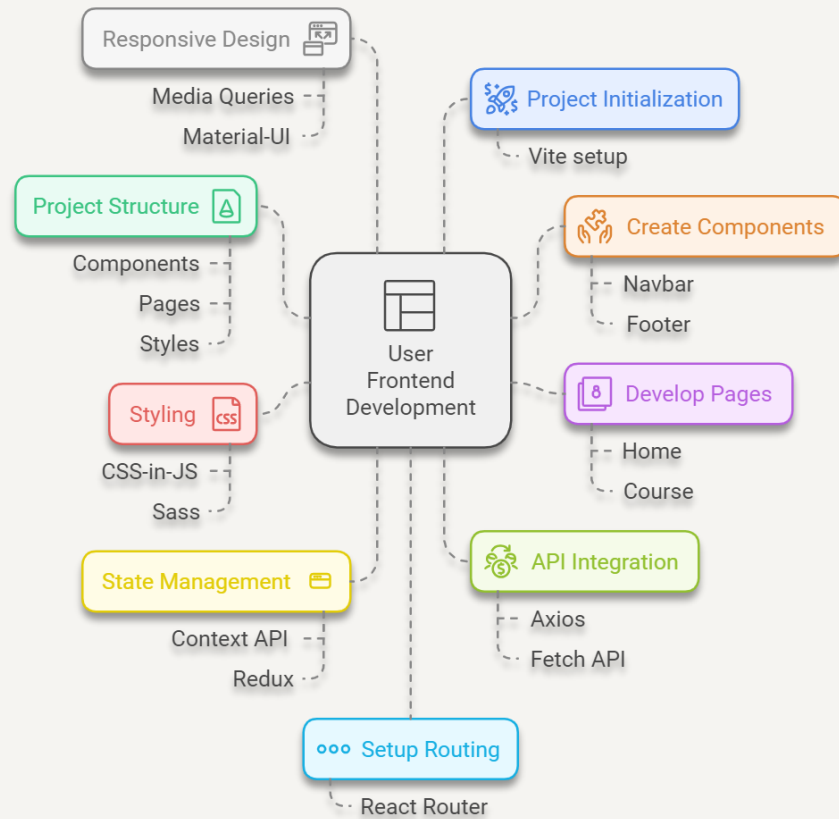


### Admin Frontend

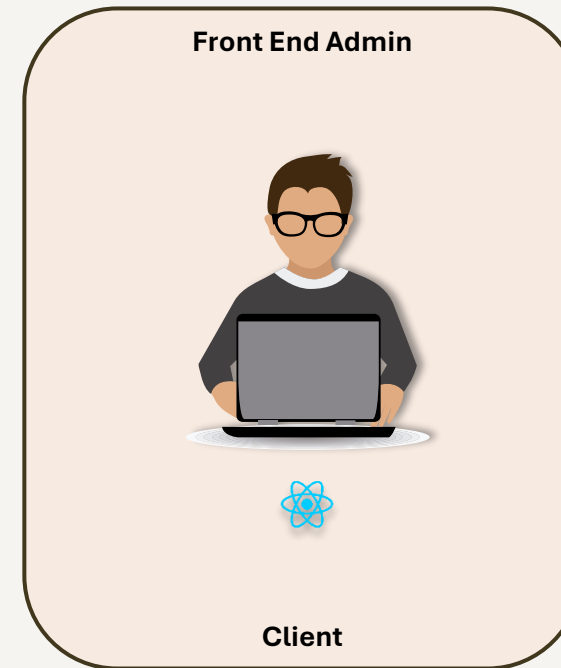
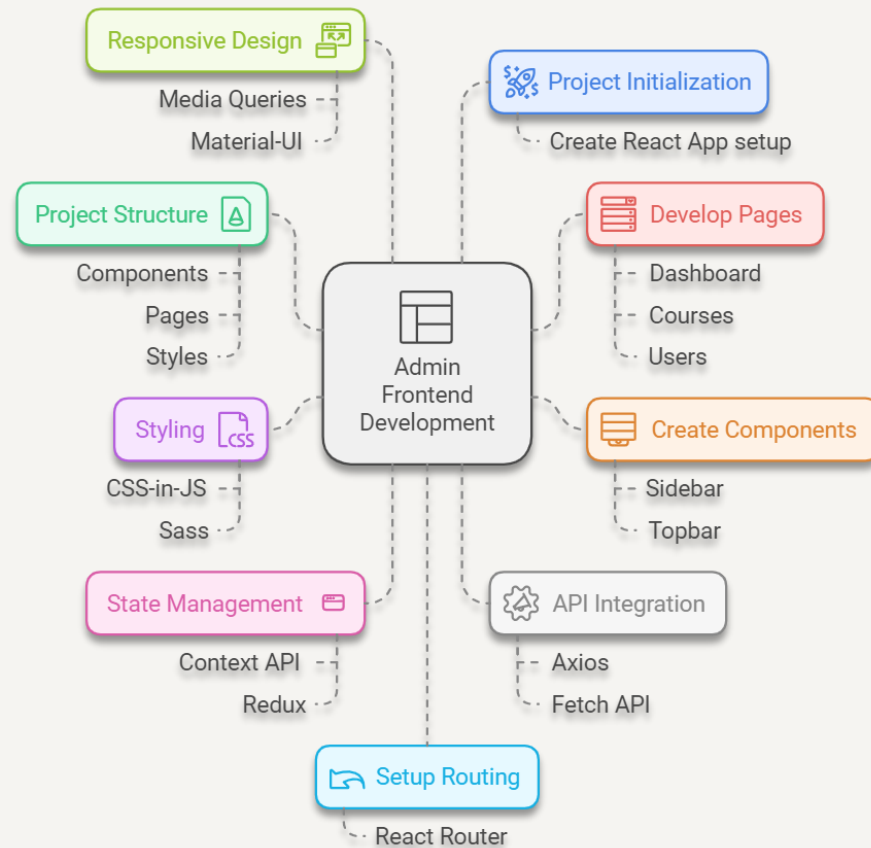
Efficient course  
management



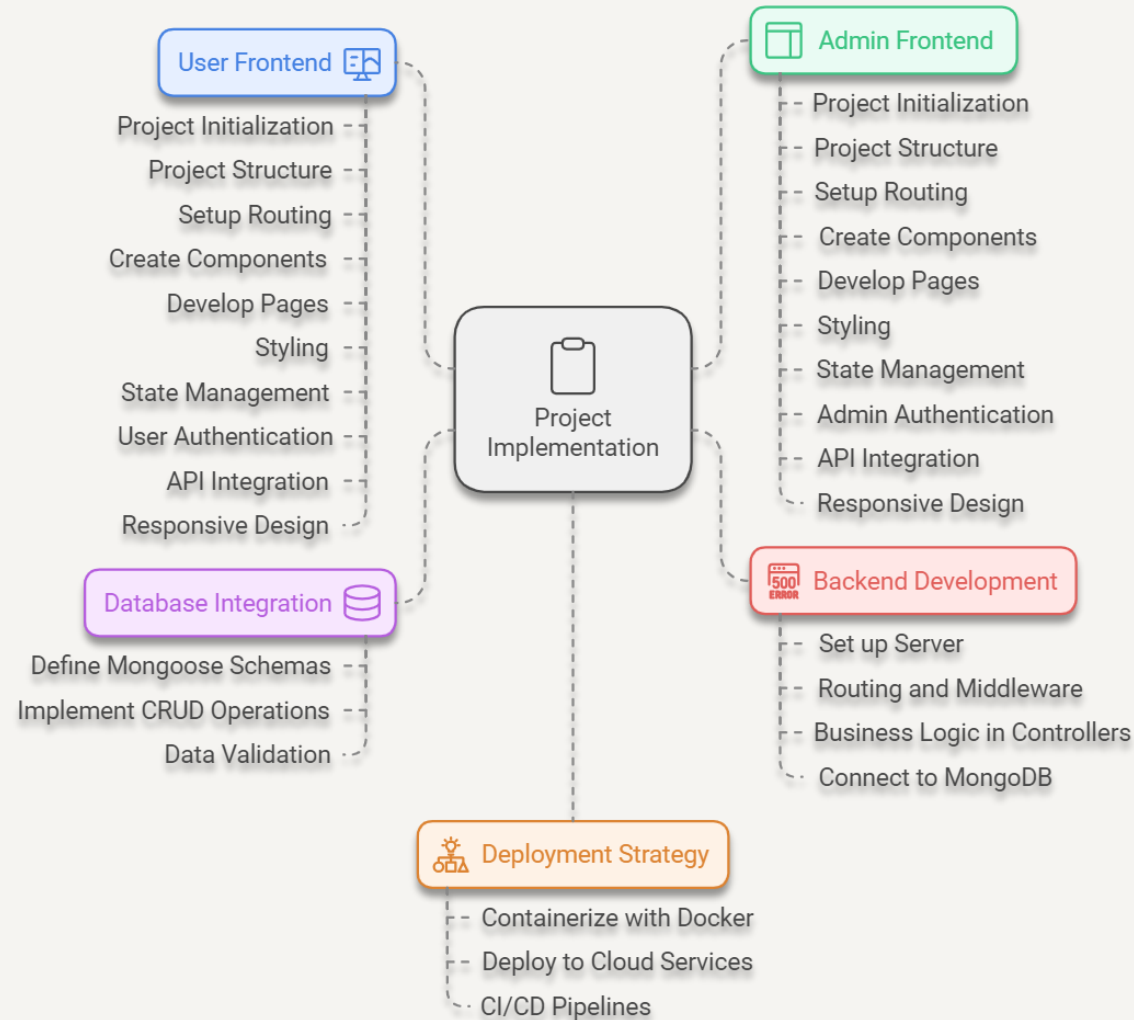
# Design of Each Building Block



# Design of Each Building Block



# Implementation



# Thank You