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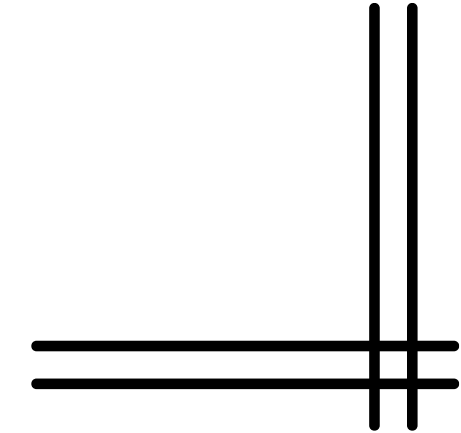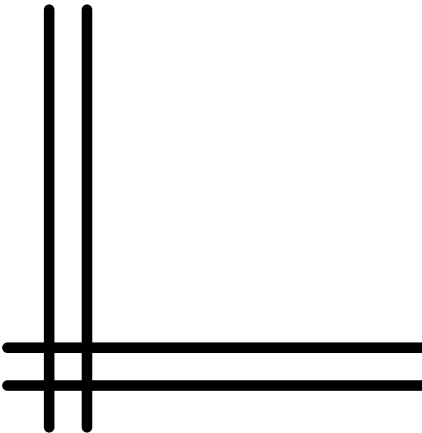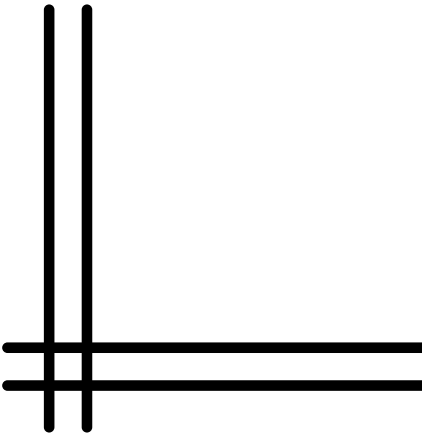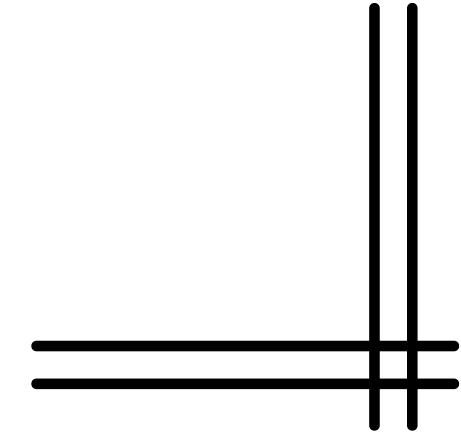# PATH2CAREER

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GUIDE: DR. DEEPA MARY MATHEWS
MCA, BATCH-B
ROLL NO: 20

OBJECTIVE

❑ **Holistic Placement Preparation:** Provide tools for aptitude tests, coding challenges, and AI-based mock interviews to help students prepare for both on-campus and off-campus placements.

❑ **Admin-Controlled Content Management :** Allow admins to add and manage aptitude and coding questions weekly, track late submissions, and analyze student performance to identify monthly toppers.

❑ **AI-Driven Feedback and Insights** :Use AI to generate mock interview questions, provide personalized feedback, and assign scores based on student performance to improve readines.

❑ **Interactive Communication and Job Management**

EXISTING SYSTEM

Individual Aptitude and Coding Practice:

❑ Students use various platforms to practice aptitude and coding independently.

Offline Mock Interview:

❑ It is done with the help of admin.

Performance Tracking:

❑ No measures to track performance.

PROPOSED SYSTEM

Centralized Platform for Placement Preparation:
   ❑ Offers aptitude and coding practice tailored to college placements by admin.

AI-Based Mock Interviews with Feedback:
   ❑ enables students to simulate real interviews with AI-generated questions and feedback.

Performance Tracking and Analysis:
   ❑ Tracks student submissions, identifies late entries, and highlights toppers for each month.

Interactive Video Call Platform:
   ❑ Facilitates real-time interaction between students and mentors or peers.

MODULES

1. Registration and Login Module
- ❏ Student can only login when approved by admin

2.Job Registration Module
- ❏ Both off campus and on campus.

3.Aptitude Test Module
- ❏ Admin add question weekly and attended by student

4.Coding Test Module
- ❏ Admin add Coding questions and attended by student

5.AI Mock Interview Module
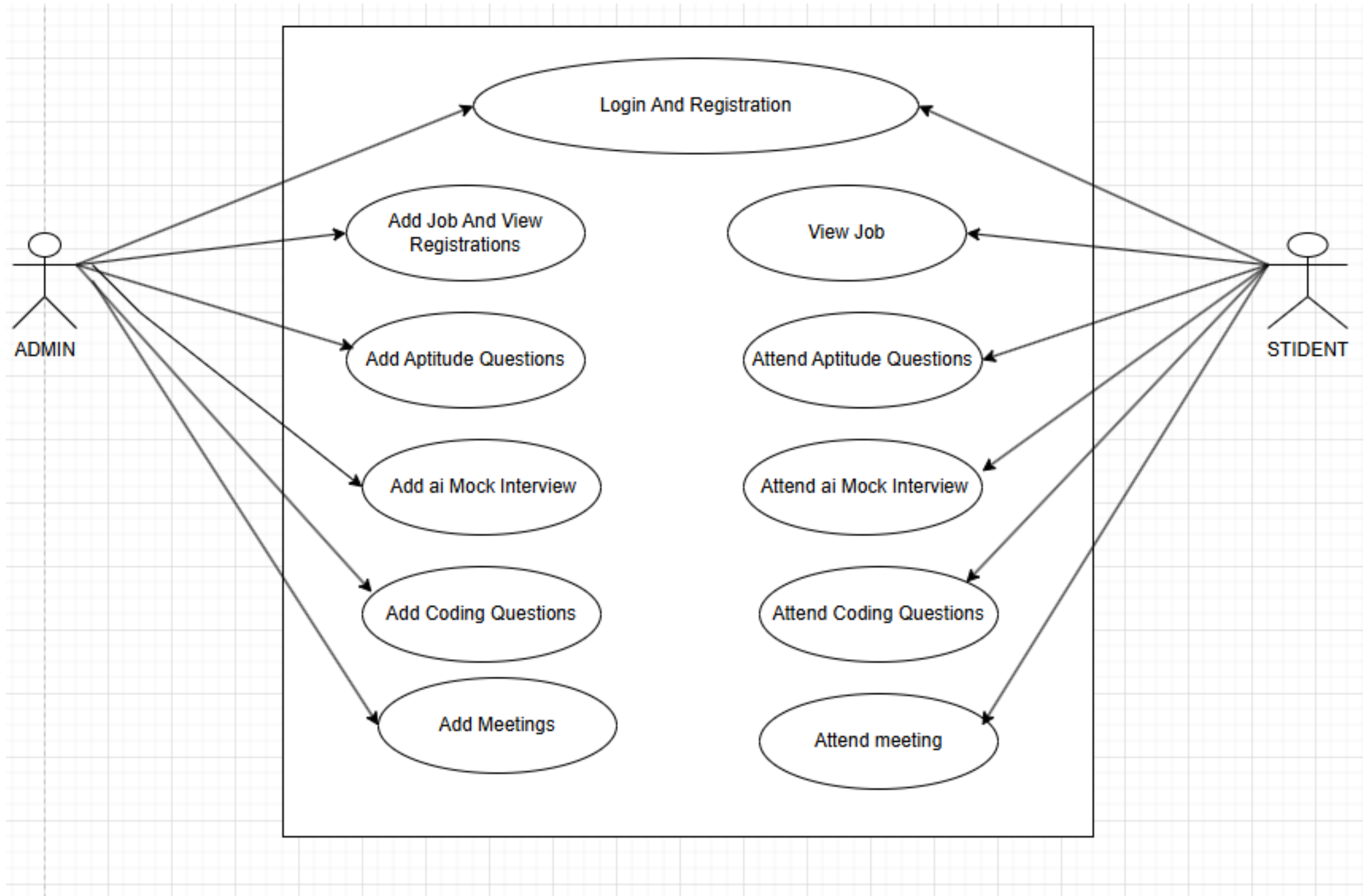- ❏ Questions and feedback generated by ai AI

6.Meeting Module
- ❏ Meeting link will be shared via email

TOOLS AND TECHNOLOGIES

- **FRONT-END**
  - REACT
- **BACK-END**
  - NODE JS
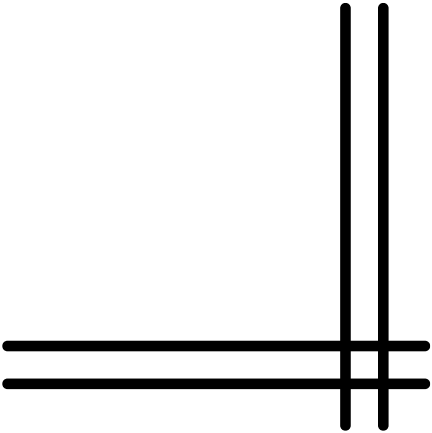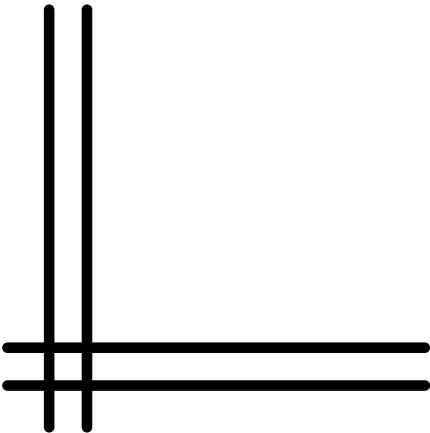 - EXPRESS JS
- **DATABASE**
  - MONGODB

SYSTEM DESIGN

DATABASE

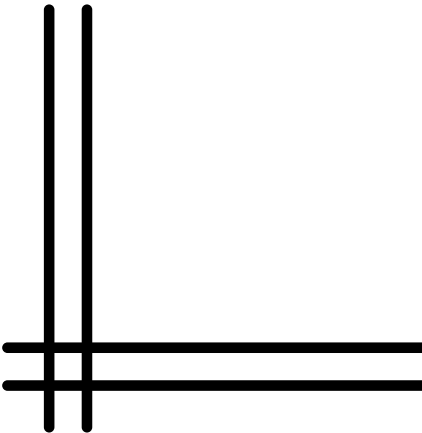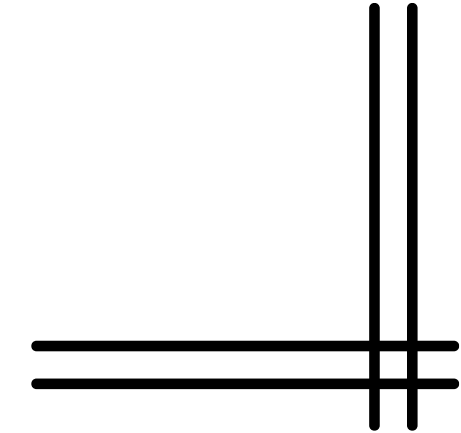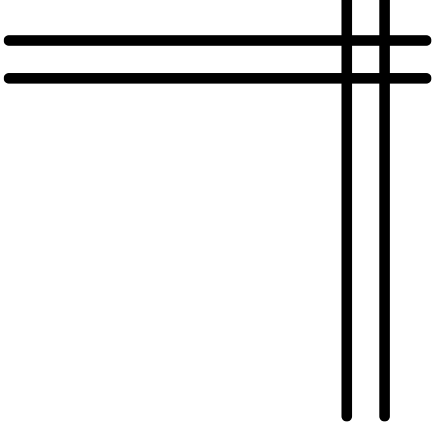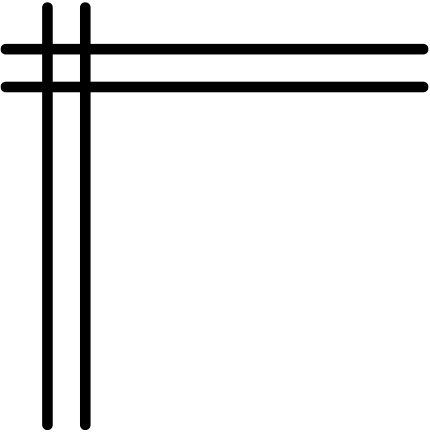| TABLES	DESCRIPTION
STUDENT DETAIL	TO STORE DETAILS OF THE STUDENT
APTITUDE QUESTIONS	TO STORE QUESTIONS AND ANSWERS
APTITUDE TESTRESULTS	TO STORE RESULT OF APTITUDE
CODING TEST	TO STORE QUESTIONS,TEST CASES
CODING TEST RESULT	TO STORE RESULT OF CODING TEST
MOCK INTERVIEW RESULT	TO STORE RESULT OF MOCK INTERVIEW
MEETING SCHEDULE	TO STORE DATE AND TIME

CONCLUSION

The proposed **Path2Career** platform provides a comprehensive solution for college students preparing for placements by integrating aptitude and coding practice, mock interviews, and real-time performance tracking .With user-friendly features, detailed analytics, and an interactive learning experience, the platform ensures a seamless and structured approach to placement preparation for students and administrators alike.

REFERENCES

❑ Enhancing Student Placement Preparation Through Web Application P Shanmugam1 , Janhavi Lenka , M Yousuf Suhail.

❑ An Integrated Web Application for Training and Placement, Harsh Akre

THANK YOU