AI MOCK INTERVIEW

BY:-

VISHNU PRIYA K A

ABSTRACT:-

- The **AI Mock Interview Platform** enhances interview preparation by simulating real-world interview experiences using advanced AI technology.
- Candidates can engage in various interview types—technical, HR, and behavioral—while receiving instant feedback through Natural Language Processing (NLP).
- The platform offers personalized performance reports, helping users identify strengths and areas for improvement.
- With features for both candidates and administrators, it provides a scalable and secure solution for effective interview practice, bridging the gap between theory and real-life application.

DISADVANTAGE OF EXISTING SYSTEM:-

- Limited Feedback
- No Real-Time Evaluation
- Static Question Sets
- No Progress Tracking

ADVANTAGES OF PURPOSED SYTEM

- Real-Time Feedback
- AI-Powered Evaluation
- Dynamic Question Bank
- Progress Tracking
- Scalable and User-Friendly
- Enhanced Candidate Confidence

HARDWARE REQUIREMENTS

1.Server/Cloud Resources:

1. **CPU:** Minimum 4-core, recommended 8-core processor for handling AI processing and multiple user requests.
2. **GPU:** An NVIDIA GPU (like Tesla T4, RTX 2080, or higher) for faster AI model inference.
3. **RAM:** At least 16 GB; 32 GB or more is ideal, especially if you're running large AI models.
4. **Storage:** Minimum of 256 GB SSD; recommended 1 TB for storing AI models, user data, and logs.
5. **Network:** High-speed internet connection for efficient data transmission.

2.User Devices:

1. Compatible with modern browsers (Chrome, Firefox, Edge) and mobile devices for end-user accessibility.

SOFTWARE REQUIREMENTS

1.Operating System:

1. Linux (Ubuntu) for server deployment or Windows if developing locally.

2.AI Frameworks and Libraries:

1. **Gemini AI or any AI model** for interview simulations.

3.Backend Frameworks and Services:

1. **Next.js** for a full-stack application with server-side rendering.
2. **Node.js** for running the backend server.
3. **Drizzle ORM** for database management.

1.Frontend Frameworks and Libraries:

1. **React** for building the user interface.
2. **Tailwind CSS** for responsive styling.

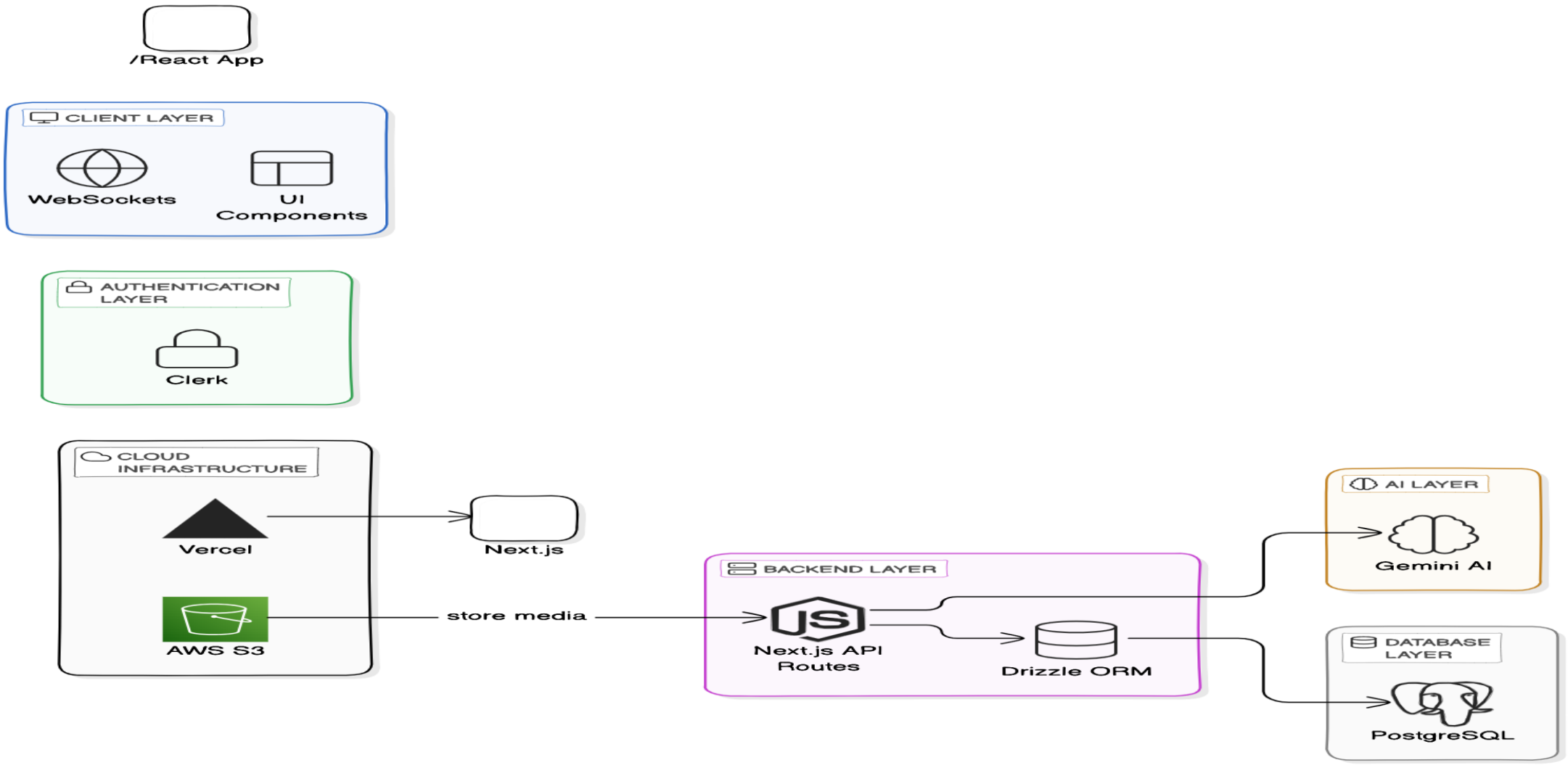
2.APIs and Cloud Services:

1. **Speech-to-text** and **text-to-speech** APIs for interactive interview simulations (e.g., Google Speech API, IBM Watson).
2. **Deployment platforms** like Vercel, AWS, or DigitalOcean for deploying the application.

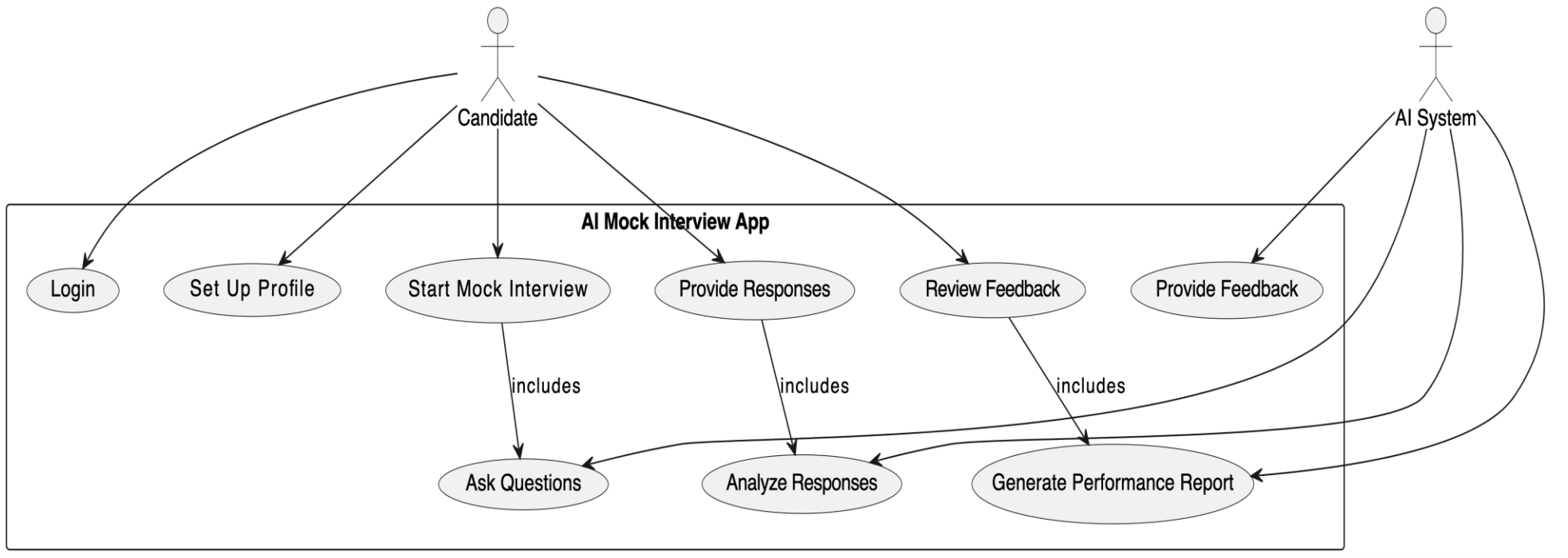
3.VS Code or other code editors for development.

ARCHITECTURE DIAGRAM

Mock Interview Platform Architecture



USE CASE DIAGRAM:-



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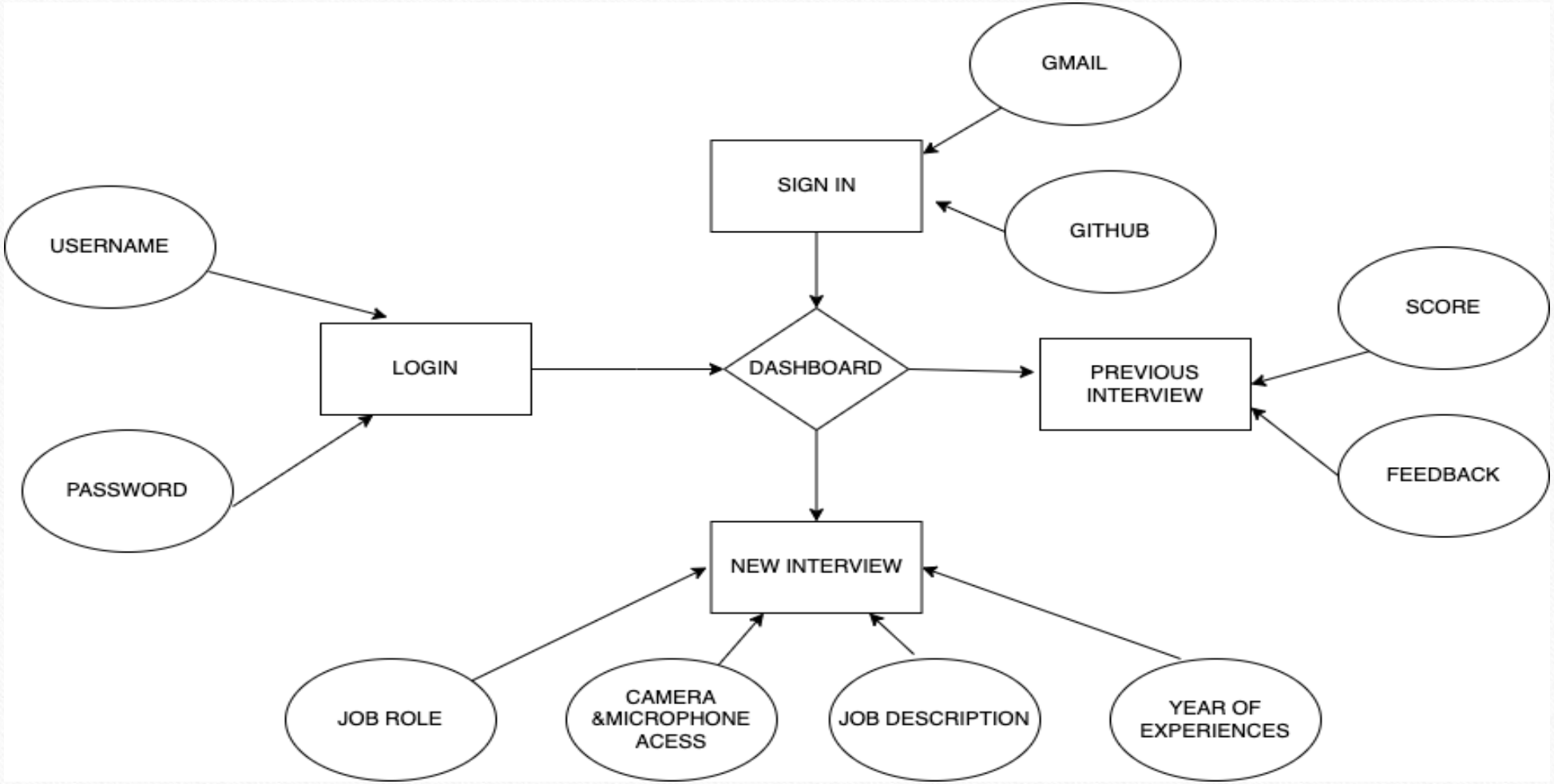
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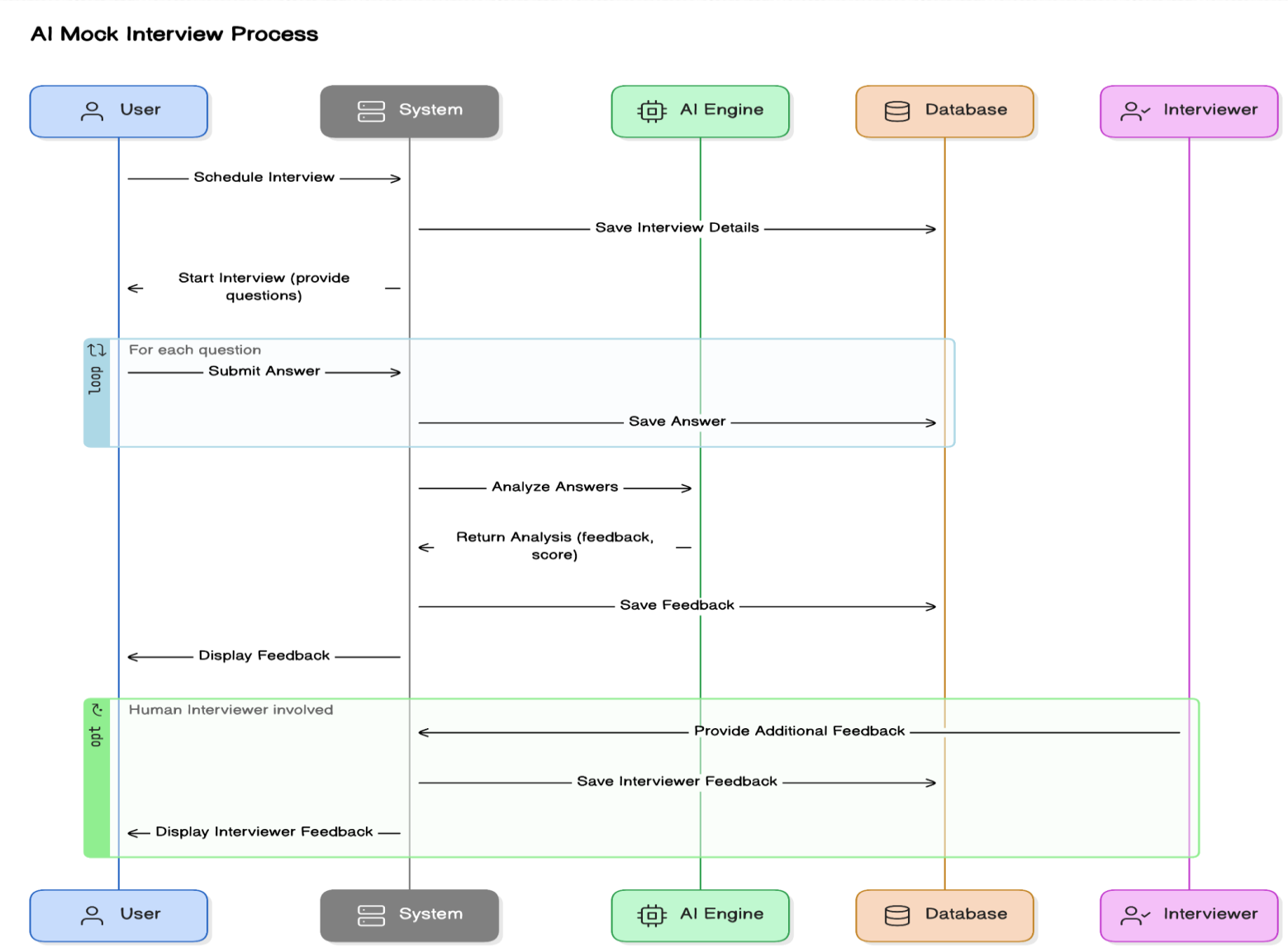
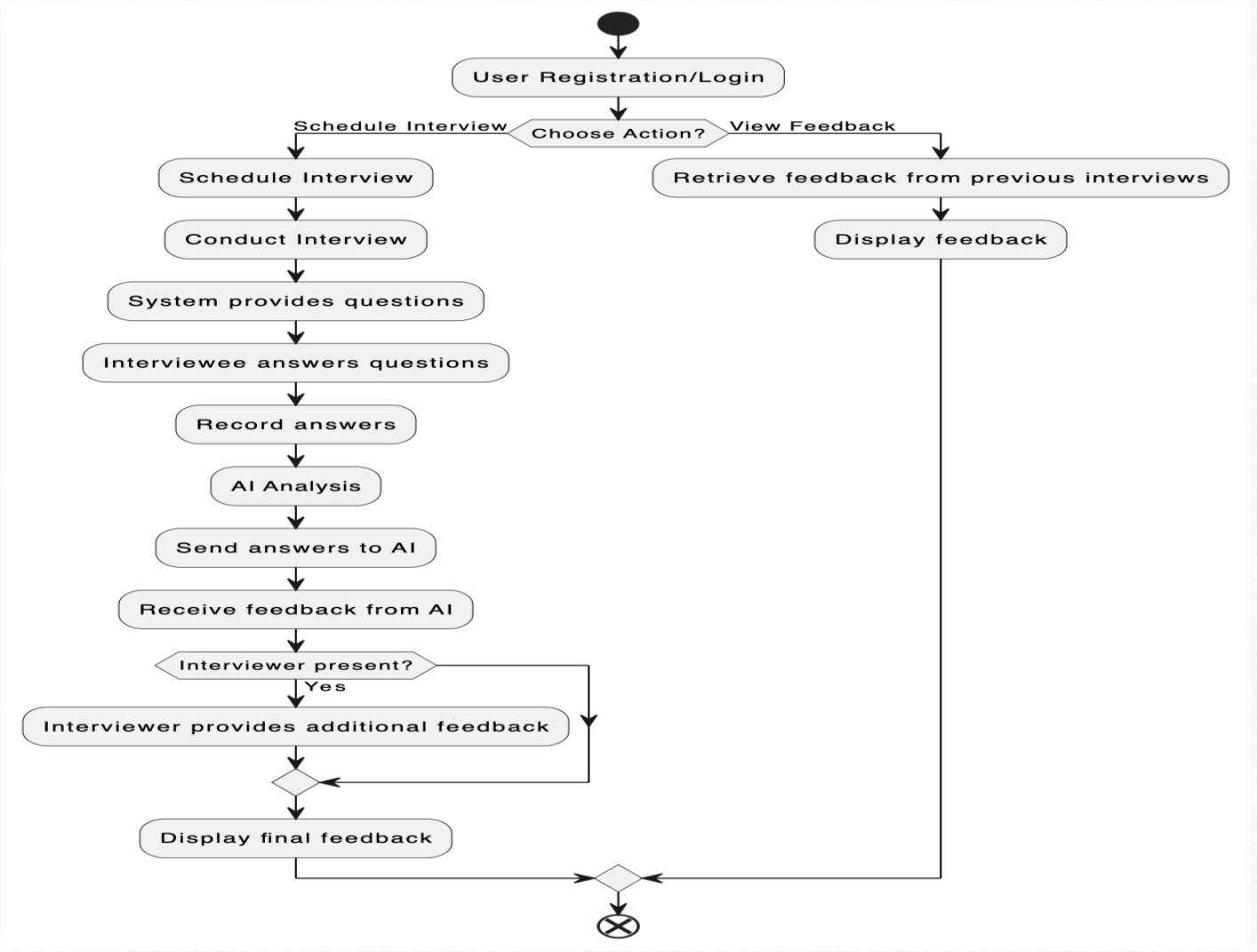
LOGIN
DASHBOARD
PREVIOUS INTERVIEW
SCORE
FEEDBACK
PASSWORD
NEW INTERVIEW
JOB ROLE
CAMERA &MICROPHONE ACESS
JOB DESCRIPTION
YEAR OF EXPERIENCES

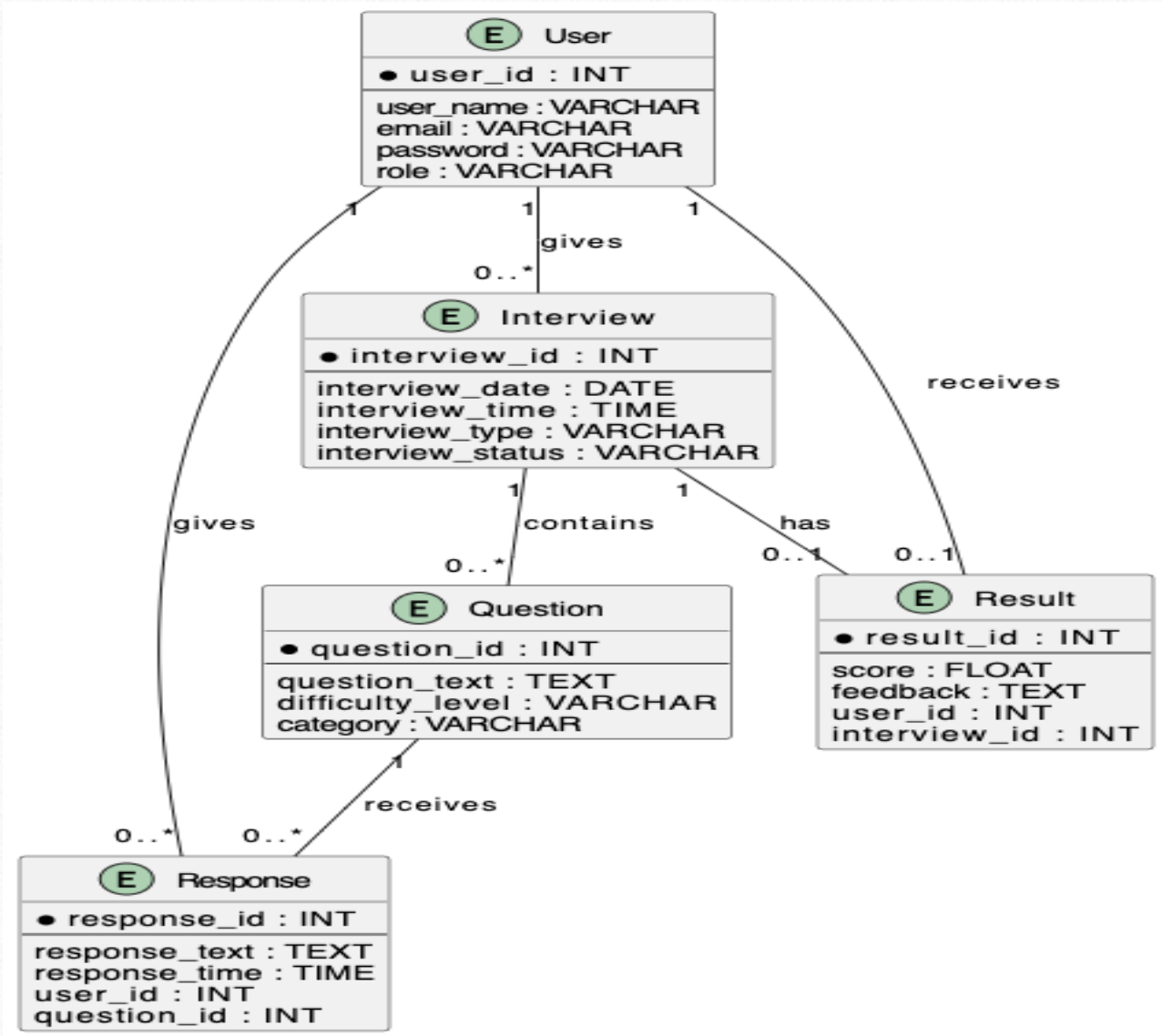
SEQUENCE DIAGRAM:-



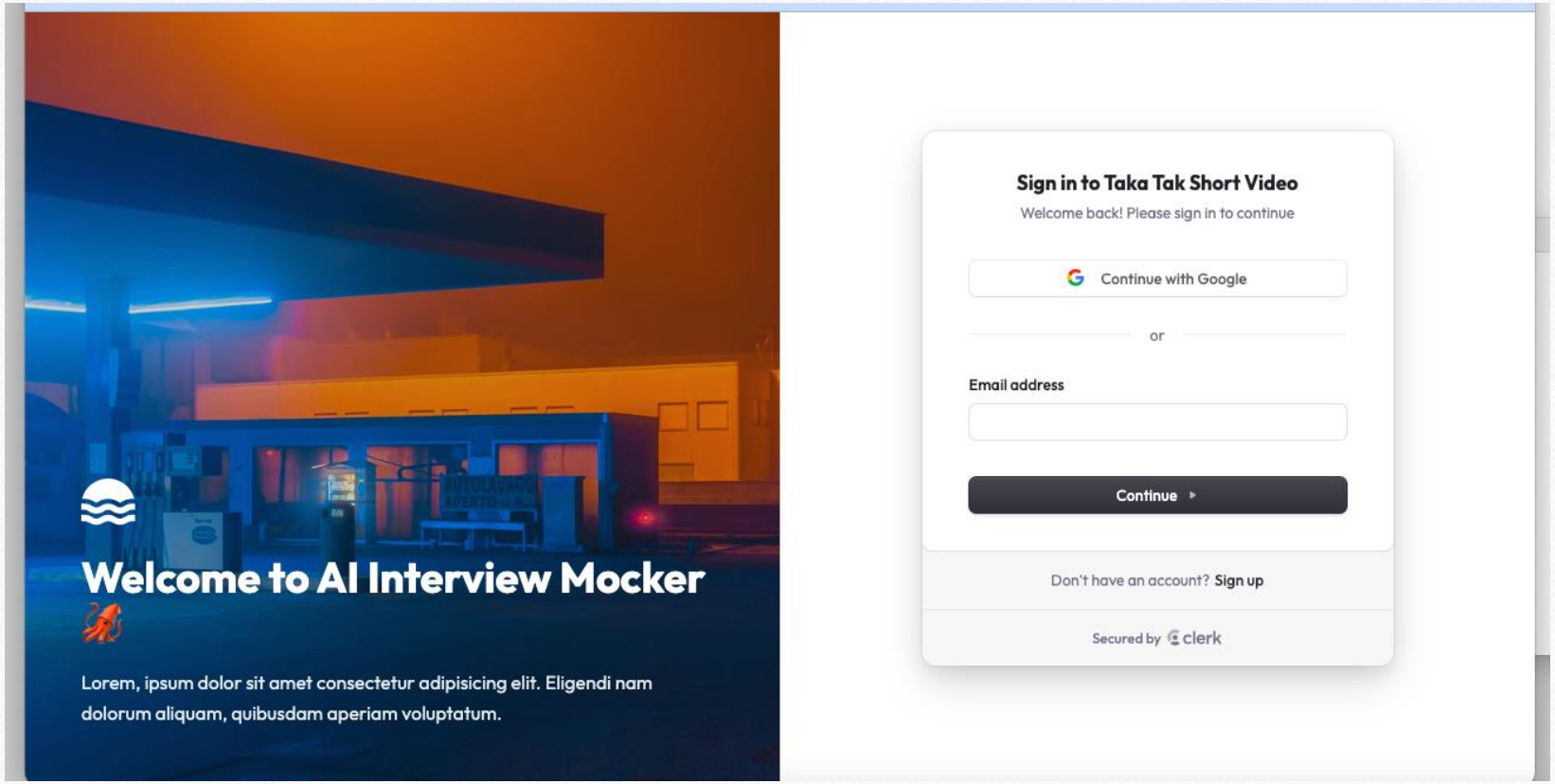
ACTIVITY DIAGRAM:-

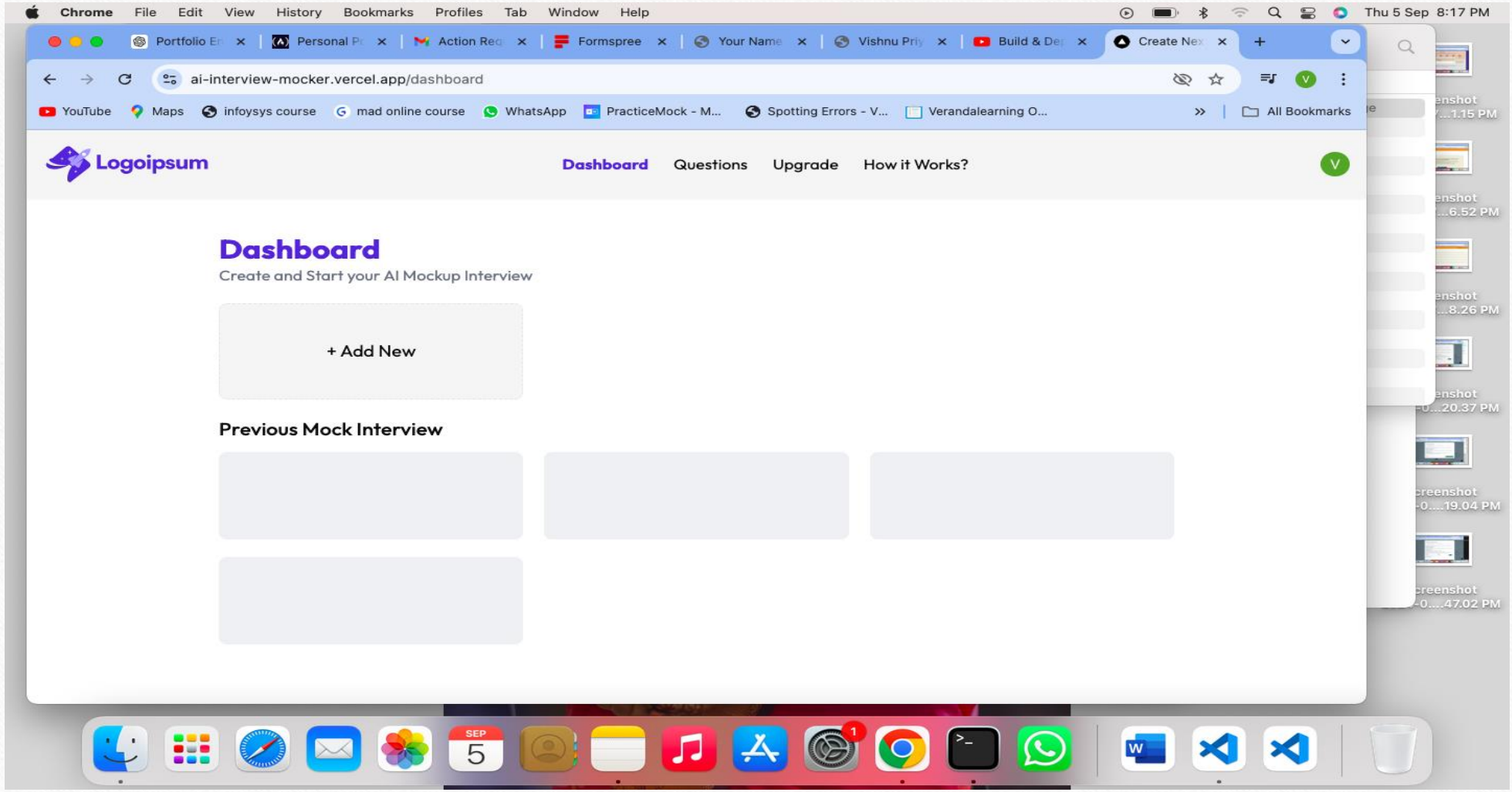


CLASS DIGRAM:-



SCREENSHOTS:-

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Dashboard
Create and Start your AI Mockup Interview
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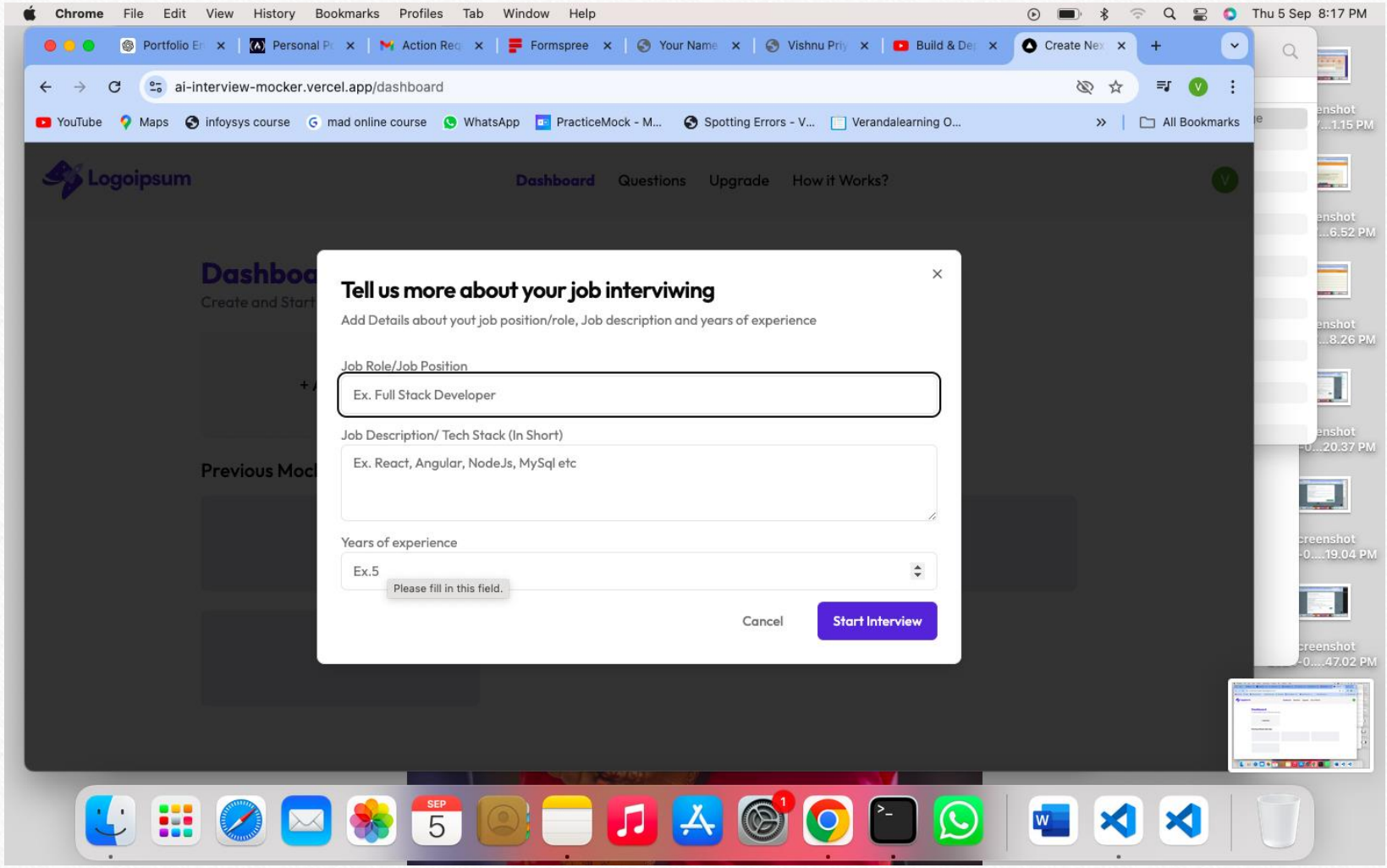
Previous Mock Interview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Dashboard Questions Upgrade How it Works?
Tell us more about your job interviwing
Add Details about yout job position/role, Job description and years of experience
Job Role/Job Position
Ex. Full Stack Developer
Job Description/ Tech Stack (In Short)
Ex. React, Angular, NodeJs, MySql etc
Years of experience
Ex.5
Please fill in this field.
Cancel
Start Interview

Create Next App

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Dashboard Questions Upgrade How it Works?

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Let's Get Started

Job Role/Job Position:full stack developer

Job Description/Tech Stack:react

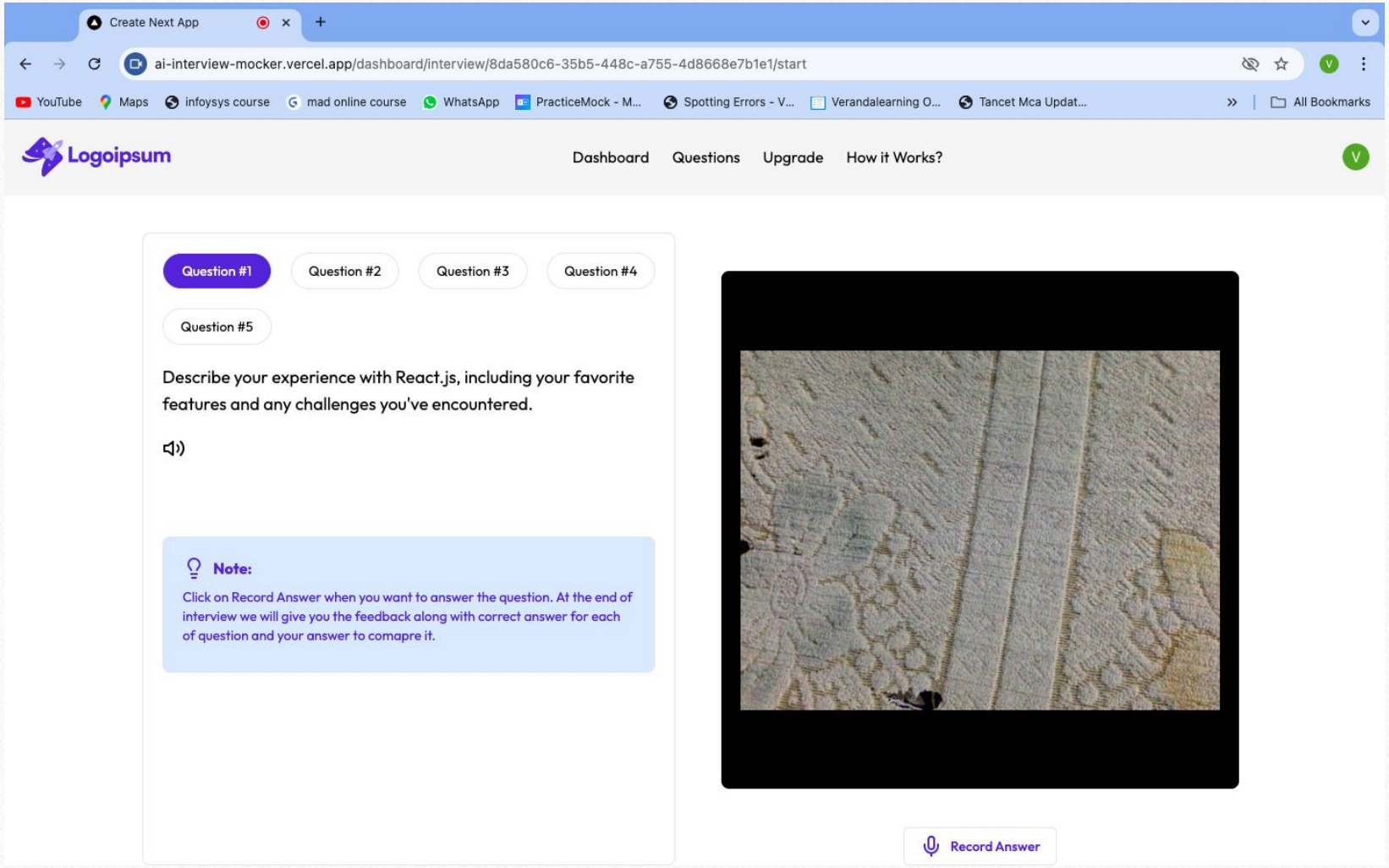
Years of Experience:3

Information

Enable Video Web Cam and Microphone to Start your AI Generated Mock Interview, It Has 5 question which you can answer and at the last you will get the report on the basis of your answer. NOTE: We never record your video , Web cam access you can disable at any time if you want

Enable Web Cam and Microphone

Start Interview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Spotting Errors - V...
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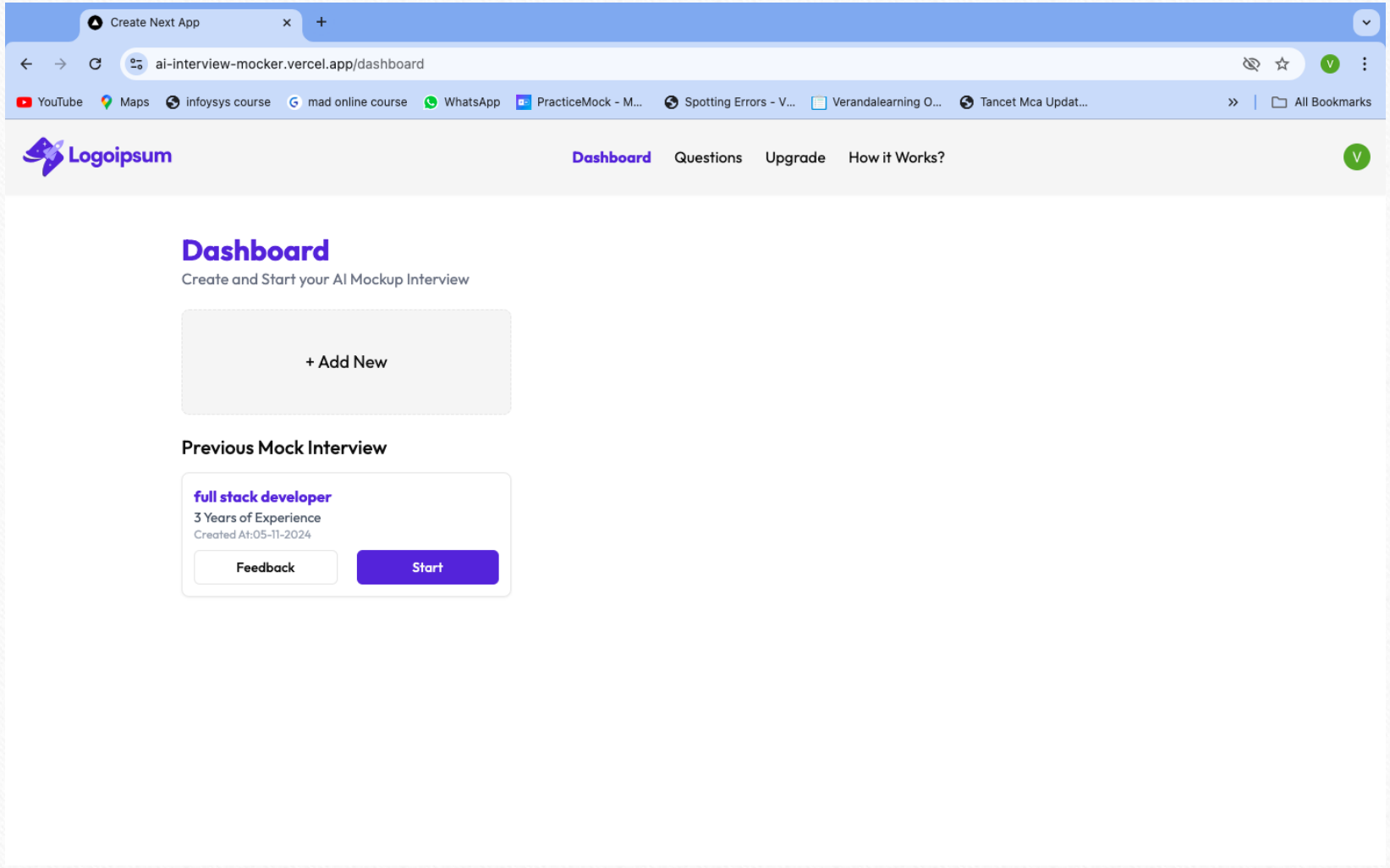
Tancet Mca Updat...
All Bookmarks
Logoipsum
Dashboard
Questions
Upgrade
How it Works?
Question #1
Question #2
Question #3
Question #4
Question #5
Describe your experience with React.js, including your favorite features and any challenges you've encountered.
Note:
Click on Record Answer when you want to answer the question. At the end of interview we will give you the feedback along with correct answer for each of question and your answer to comapre it.
Record Answer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How it Works?
V
Dashboard
Create and Start your AI Mockup Interview
+ Add New
Previous Mock Interview
full stack developer
3 Years of Experience
Created At:05-11-2024
Feedback
Start

FUTURE ENHANCEMENT:-

- Personalized Feedback and Analysis
- Adaptive Questioning
- AI-Powered Mock Interviewers with Distinct Personalities
- Behavioral Analysis and Soft Skills Evaluation
- Gamified Progress Tracking
- Live AI Coaching and Assistance

THANK YOU