JETIR.ORG ISSN: 2349-5162 | ESTD Year : 2014 | Monthly Issue
JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH (JETIR)
An International Scholarly Open Access, Peer-reviewed, Refereed Journal

MockVault - "Mock your way through"

Aditya Sharma, **Ansh Ajay Mishra, Ansh Jain**, **Abhishek Patil, Dr. Vandana Kate** and **Prof. Chanchal Bansal**
Department of Computer Science and Information Technology Acropolis Institute of Technology and Research
Rajiv Gandhi Technical University Indore, Madhya Pradesh, 452001
Corresponding author's email (respectively): anshajay220430@acropolis.in, anshjain220709@acropolis.in, adityasharma221220@acropolis.in, abhishekpatil220020@acropolis.in, vandanakate@acropolis.in and chanchalbansal@acropolis.in
University Roll Number (respectively) : 0827CI221021, 0827CI221022, 0827CI221012 and 0827CI221008

Abstract

In the current competitive job landscape, effective interview preparation is vital for job aspirants.[1] However, many candidates face significant barriers in accessing structured, company-specific interview questions[2], quality aptitude materials, and hands-on practice with technical skills. Furthermore, personalized mock interviews and expert feedback remain largely inaccessible due to high costs.

The proposed solution in this paper democratizes interview preparation, ensures accessibility for all aspirants anytime, anywhere. Additionally, it has a feature that enables integration of industry/educational experts to receive personalized guidance, empowering users to identify strengths and improve their interview performance. Secondly, there'll be an automation feature where interviewers from any university can create panels to conduct their mock-interview sessions with their students(registered as aspirants) online. The only difference between regular and university panels is regular-one is one to one interaction based, while university-one will have two interviewers and up to 10 students(changeable). This solution further provides a web-based platform that helps interview aspirants and interviewers to access the preparation materials, a platform where these two can attend their one-to-one interview session. Interviewers creating panels will be allowed to schedule the meeting, thus all the panel users will be brought to a meeting room. Thirdly, there will be a feature for alert notifications for aspirants regulated by interviewers, atleast one day prior to the scheduled event. After attending the meeting interviewers will then create an assessment/feedback that will be later forwarded to respective aspirant dashboards. Atlast, there will be an integrated Ai-based-chatbot[3] and it contains personality-driven-chatbots[4] on the aspirant dashboard. These bots can take quizzes[5], provide assistance and feedback on the basis of their responses, thus fostering learning for aspirants.[6]

Keywords

Aptitude Materials; Company-Specific resources; Personalized Mock Interviews/Interview Preparation; Remote-Learning[7]; Skill Development; Data Structures and Algorithms (DSA), Personality-driven Chatbots.

1. Introduction

The development of a Mock Interview Platform for interview aspirants is an innovative approach to bridge the gap between theoretical learning and practical interview experience[8]. This system not only allows aspirants to practice mock interviews with resource libraries of website, but also provides an opportunity for real-time one-on-one interaction with industry experts. The methodology is structured in a way that ensures modular development while focusing on the scalability and adaptability of the system. But before proposing the methodology we first need to discuss the issues faced by aspirants and interviewers to prepare and conduct ,respectively, the mock-interviews for both at individual level and institutional level. These issues mainly are:

1.1. Individual-level issues: An aspirant while preparing for an interview at individual need some special advices and knowledge and experience, in order to face some most important meeting in his life he/she may face following issues:

- **Lack of realistic feedback:** Many mock interviews are conducted by inexperienced professionals or subject matter experts, resulting in generic feedback that does not address specific weaknesses.[9]
- **Limited access to industry-specific questions:** Individuals may have difficulty finding mock interviews that are relevant to the specific industry or role they are applying for, especially in highly specialized fields.[10]
- **Anxiety and pressure:** Many people suffer from anxiety or nervousness, which makes it difficult for them to succeed, even in a simulated environment. Fear of failure can affect their confidence.[11]
- **Technical Barriers:** Remote or virtual mock interviews can be hampered by poor internet connectivity, technical glitches, or unfamiliarity with the video conferencing software, leading to disruptions.
- **Inconsistent Scheduling:** Coordinating with industry professionals or mentors for mock interviews can be challenging, with limited availability or time-zone mismatches. Professional service cost: Professional simulation

services often promote high costs. This makes it difficult for students or job seekers to access personalized coaching.

- **Limited resources to improvements:** Individuals often lack follow -up source (for example, practice or practice equipment), which is directly closer to the low zone that is emphasized during a simulated maintenance. Impersonal experience with bots/AI: Automated interview simulations using AI can lack the personal touch of a human interviewer, making it difficult to simulate a real-life interview experience.
- **Impersonal Experience with Bots/AI**: Automated mock interviews using AI may lack the personal touch of a human interviewer, which can make it difficult to simulate the real-world interview experience.
- **Cost of Professional Services**: Professional mock interview services often charge high fees, making it difficult for students or job seekers with limited financial resources to access personalized coaching.

1.2. Institutional-level issues: While taking the mock-interview trial process to institutional level, the issues faced by the aspirants and interviewers are:

- **Lack of personalized learning:** In educational institutions, mock interviews are often standardized across large groups of students, resulting in generic feedback that isn't tailored to individual needs. Insufficient industry representation: Institutions may not have sufficient connections to various industries, limiting students' ability to participate in job- or industry-specific mock interviews.[12]
- **Outdated curricula and techniques:** Mock interview curricula may not be up to date with the latest hiring trends, such as questions about new technologies or modern assessment methods (such as behavioral interviews). Schedule and resource constraints: Due to the large number of students, it is difficult to allocate enough mock interview sessions, resulting in packed schedules and less face-to-face time with interviewers.[13]
- **Lack of qualified interviewers:** Institutions may rely on in-house trainers who do not have recent industry experience or relevant knowledge to conduct realistic mock interviews. Technical infrastructure: For institutions conducting online mock interviews, inadequate infrastructure (e.g. poor internet connectivity, outdated software) can lead to technical difficulties that make it difficult to operate smoothly.
- **Student engagement:** Some students may not take mock interviews seriously, viewing them as mere formalities rather than an important part of job preparation, leading to a lack of motivation to improve. Insufficient post-interview guidance: While mock interviews are often conducted, many institutions fail to provide students with detailed, practical guidance on how to improve their performance after the interview, leaving them without a clear path forward.
- **Diversity of interview formats:** Institutions fail to expose students to the variety of interview formats (e.g., panel, technical, personal, case-based) that are common in the real world, limiting their preparation. Lack of general skills: Institutions can focus on technical knowledge and lose important training in general skills, such as communication, leadership, and solution skills, which are essential parts of success.
- **Lack of Soft Skills Training**: Institutions may focus more on technical knowledge and overlook critical soft skills training, such as communication, leadership, and problem-solving skills, which are integral to interview success.[14]
- **Scheduling and Resource Constraints**: Large student populations make it difficult to allocate enough mock interview sessions, leading to overcrowded schedules and less one-on-one time with interviewers.
- **Insufficient Post-Interview Guidance**: While mock interviews are often conducted, many institutions fail to provide detailed, actionable guidance for students to improve after the interview process, leaving them without a clear path forward.

By addressing these issues, both individuals and institutions can improve the overall quality and effectiveness of mock interview processes, ensuring that candidates are better prepared for real-world interviews.

2. Literature survey

In-order to establish the context, identifying gaps, avoiding redundancy, providing theoretical background, supporting methodology and demonstrating expertise, the role of literature survey becomes very significant.[15] Coming to the surveying part for similar web-based applications, these are following encounters that servers the comparable purposes as that of MockVault:

2.1. Pre-Placed [16]: Pre-Placed is a prominent online platform in India that specializes in preparing individuals for interviews and offering personalized mentorship. It stands out by allowing users to tailor their interview preparation by selecting top industry professionals for one-on-one guidance. The platform is unique in providing this level of customized mentorship, helping candidates throughout their placement journey.

Mock interviews around various domains & co.'s, this platform users have successfully landed jobs with their target companies, covering diverse sectors and industries. Preplaced offers mock interviews across a wide range of fields, including coding, system design, product management, data science, finance, and management roles. This variety gives Preplaced an edge over other platforms that primarily focus on niche areas like coding or product management. **Ideal interview duration** (1 hour) Unlike rest platforms, Preplaced offers mock interviews that last a full hour, divided into a 45-minute interview and a 15-minute feedback session. This extended duration allows for a more comprehensive practice session, covering multiple questions and simulating a real-world interview. The interviewers are highly supportive and committed to helping candidates, often extending sessions beyond the allotted time to address queries and concerns. It comes with **budget-friendly pricing,** especially when it helps aspirants to secure their dream job.

Pre-Placed focuses heavily on **recruiting high-caliber mentors** who:

- Conduct mock interviews of candidates,
- Provide industry-specific tips and strategies, and
- Offer guidance throughout the interview process.

2.2. **Pramp[17]:** is a mock interview platform primarily catering to candidates preparing for technical roles. It offers flexible interview sessions tailored to individuals aiming for positions in areas like front-end and back-end development, system design, algorithms, and data structures. Recently, Pramp has expanded to support additional fields such as product management and data science. The platform operates largely as a community of engineers, making it a good fit for those seeking engineering and coding interview practice. However, a key limitation is that users are paired with peers of similar experience for mock interviews, rather than experts. Unlike other platforms that provide expert-led sessions, Pramp facilitates free mock interviews by matching users with peers. Additionally, users do not have access to interview recordings for review. Still, Pramp is a good choice for applicants seeking free preparation for mock interviews, especially in computer science.

2.3. **InterviewBuddy[18]:** is another well-known platform for mock interviews, providing users with a straightforward interface to schedule and practice mock interviews with professionals from various industries. It offers technical and HR interviews. '**No control for interviewer selection**', One drawback of InterviewBuddy is its lack of flexibility in selecting interviewers. Additionally, candidates do not receive information about their interviewers beforehand, making it difficult to verify the interviewer's identity. However, according to InterviewBuddy, all interviewers are experts in their respective industries, which allows candidates to have mentor-led interviews, in contrast to peer-led platforms like Pramp. Another limitation of this platform is, **High Pricing** for a short 25-minute session and **Limited interview length (25 Minutes).**

2.4. **Interviewing[19]:** Interviewing.io allows candidates to participate in anonymous mock interviews. If a session goes well, users have the option to connect with the recruiter for further opportunities. **Focused on coding and system design interviews,** Interviewing.io specializes in mock interviews for coding and system design, making it less suitable for those seeking practice in other areas. The platform also has its own built-in system for conducting coding interviews. **Flexible scheduling and variable interview length** Candidates have the flexibility to schedule their interviews at convenient times. However, the duration of the interview is determined by the interviewer, and there is no fixed time limit. In rare cases, if a session does not go well, the interview could end early, sometimes as quickly as 10 minutes, despite full payment. **Obscurity and interview format** One of the platform's key features is the ability to conduct interviews anonymously. This may appeal to candidates who prefer to practice without revealing their identity. However, for those seeking a more personal connection with their interviewer, this lack of visibility might be a drawback. Another limitation is that interviews are conducted via audio or voice calls, without video, which means candidates do not get the benefit of practicing video call etiquette or simulating a real interview environment. **Higher Pricing** Interviewing.io's pricing is slightly higher than its competitors, particularly since it primarily targets the US market. This may make the cost appear steep to candidates outside the US.

2.5. **Exponent[20]:** is a mock interview and placement preparation platform that caters to technical program management and product- marketing management roles. **Interviews for software, technical & product management** like several other platforms, Exponent offers mock interviews for various domains, including technical and product management. It features mentors from top-tier companies like Google, Facebook, and Uber, putting it in direct competition with platforms like PrePlaced and Interviewing.io. In addition to mock interviews, Exponent provides domain-specific courses and company-specific interview questions. **Choose Your Own Interviewer** Exponent gives candidates the ability to select from a wide range of technical experts with diverse backgrounds. All mentor profiles are visible on the platform, allowing users to read reviews from previous candidates and make informed decisions when choosing an interviewer. For those open to peer interviews, Exponent offers that option as well, providing a more cost-effective choice. **1-Hour Sessions** Unlike other platforms, Exponent offers 1-hour mock interview sessions, which allows candidates to cover more topics and experience a more comprehensive interview simulation. This extended duration is ideal for preparing for real-life interview scenarios. **Highest cost on the List,** it is one of the most expensive options, particularly for students or early-career professionals. However, for candidates who prefer peer interviews, Exponent offers these sessions for free. Additionally, the platform provides courses on a subscription basis.

3. Proposed methodology

To provide an efficient and effective solution to the challenges outlined in the introductory section, lead this project to a comprehensive methodology that caters to the needs of all user types. This methodology is designed to automate mock interview trials for both individual aspirants and institutional mock-interview trials organized by the Career Development Cell (CDC) of educational institutions. It also addresses the issues faced by interviewers—both industry professionals and educational institutions—related to conducting mock interviews and managing aspirant data (such as resumes, registration details, and assessments).

Key benefits of this entire methodology is focused in- **Enhanced User Experience:** The platform's custom role-based dashboards provide a realistic and engaging experience for aspirants. **Efficient Resource Management:** Admins can easily manage and update training materials, ensuring that the system remains relevant and up-to-date. **Personality- driven AI chatbots:** A chatbot icon will be given on Aspirant dashboard, on visiting, user can select one personality from the given options. **Scalable System:** The architecture is designed for scalability, allowing for the easy addition of new users and functionalities as the platform grows.

The proposed methodology is structured as follows, aligned with the user-case UML/activity diagram (Figure 1):

3.1. **User Interface:** The web application is based on Role-Based Access Control (RBAC), where users interact with the system according to their assigned roles.[21] Users can visit their dashboards to:

- Access learning resources from the resource library.
- Monitor processes specific to their role.

3.2. **Homepage:** The homepage is the first point of interaction for new visitors. It is designed to captivate attention, providing a strong first impression. The page is aesthetically designed and introduces the website's key features, encouraging users to explore further. First-time users can explore the site and register/sign up to access its full functionalities.

3.3. **User Sign-up and Sign-in:** After browsing the website, users must sign up and create an account before using its services. The sign-up and sign-in steps are as follows:

- **Sign-up page:** is where users select their role (aspirant, interviewer, or admin), as the website functions on RBAC. Each role has its own dashboard and processes. The sign-up is build to be both user-friendly and visually appealing.
- **Sign-in Page:** After enrolling, users are routed to the sign-in page, where they can enter their credentials or use Google/LinkedIn authentication with the help of OAuth protocol.[22] After signing in, users are brought to their role-specific dashboards.

3.4. **Dashboards:** The platform includes role-specific dashboards for aspirants, interviewers, and admins:

- **Aspirant Dashboard:** Allows access to the resource library, the ability to view/join panels created by industry or educational interviewers and the dedicated chatbot icon to interact with personality-driven bots.
- **Interviewer Dashboard:** Enables interviewers to create industry or educational-based panels to conduct mock interviews.
- **Admin Dashboard:** Provides admins with the ability to upload or update training materials in the resource library and perform regular audits on the website.

3.5. **Chatbots:** Clicking on the chatbot icon, triggers an interaction panel, where the bot first greets the user, followed by another message where the user will be asked for selecting one of the bot functionality options. These includes:

- **Conduct Quiz:** Customize quiz difficulty, number of questions, and domain/topic selection. Then questions will be asked to the user, based on his/her response and in the end gives the feedback.
- **Conduct Mock:** Simulate interviews in a domain with personality-based feedback.[23]
- **Platform Assistance:** Provide users with quick and easy guidance for navigating, utilizing and resolving common queries regarding the platform.[24]

3.6. **Personality-driven chatbots:** After choosing the first two(i.e. All except platform assistance) options from the message after the greeting one. The chatbot provides multiple options to the user for **personality selection**(Showcase a list of available personalities (e.g., inspired by web-series, movies, YouTubers). On choosing one of the options from the given personality options, regular bot changes its form to new visual elements like avatars in graphic form under profile icon and descriptions to make personality selection engaging.

- **Quiz Conduction:** Workflow in this case includes, greeting the user with first response then asks for customization of quiz difficulty, number of questions, and domain/topic selection, begins with questions. After answering question bots replies to the user based on its personality, that may be encouraging, sarcastic, funny, based on the user's response and in the end it allocates the feedback of the quiz to the user, in a single message or provides a documented summary of the conversation.
- **Conduct Mock:** Just like in case of quiz here bot asks interview questions from the user, and based on his/her responses plus using sentimental analysis & reinforcement learning like algo., bot prepares feedback either in a single message or in a documented form for the user.
- **Platform Assistance:** Provide users with quick and easy guidance for navigating, utilizing and resolving common queries regarding the platform.

3.7. **Panels:** Panels are at the core of the mock-interview experience. Each panel includes key details such as purpose, domain, and learning topic. There are two types of panels:

- **Industry-based Mentorship Panel:** Includes one interviewer and one aspirant.
- **Educational-based Mock Interview Panel:** Includes two interviewers (one technical and one communication-focused) and multiple aspirants.

3.8. **Room Allocation:** Once a panel is formed and applicants have joined, a room is reserved for the interview. Room scheduling is typically handled by interviewers, and rooms are designated based on availability. There are two types of rooms:

- **1:1 Interaction Room:** For individual interviews between one interviewer and one aspirant.
- **Institutional Mock-Interview Room:** For group mock interviews involving two interviewers and multiple aspirants.

3.9. **Meeting and Assessment:** After the room is scheduled, users (aspirants and interviewers) meet and interact online with the help of webrtc technology.[25] Following the meeting, interviewers assess aspirants' performance and provide an assessment report.

3.10. **Feedback:** Both interviewers and aspirants can provide feedback on their experience. This feedback helps in continuous improvement of the platform's processes.

3.11. **Progress and Analytical Report:** Aspirants can view their assessments and monitor their progress through detailed reports. Interviewers are responsible for creating these reports, which are then shared with the aspirants.[26]

3.12. **Logout:** After completing all tasks, users can log out of the system.

This methodology ensures that the project is developed iteratively, incorporating continuous feedback and improvements, while adhering to the requirements specified in the UML diagram and previous discussions. It provides a structured approach to solving the

key challenges of interview preparation and mock interview automation.

Along with this methodology there is two uml based diagram(fig.1 and 2), entity-relationship diagram that was a raw-implementation of the database(fig. 3), i.e. needed to be developed for the website.[27]

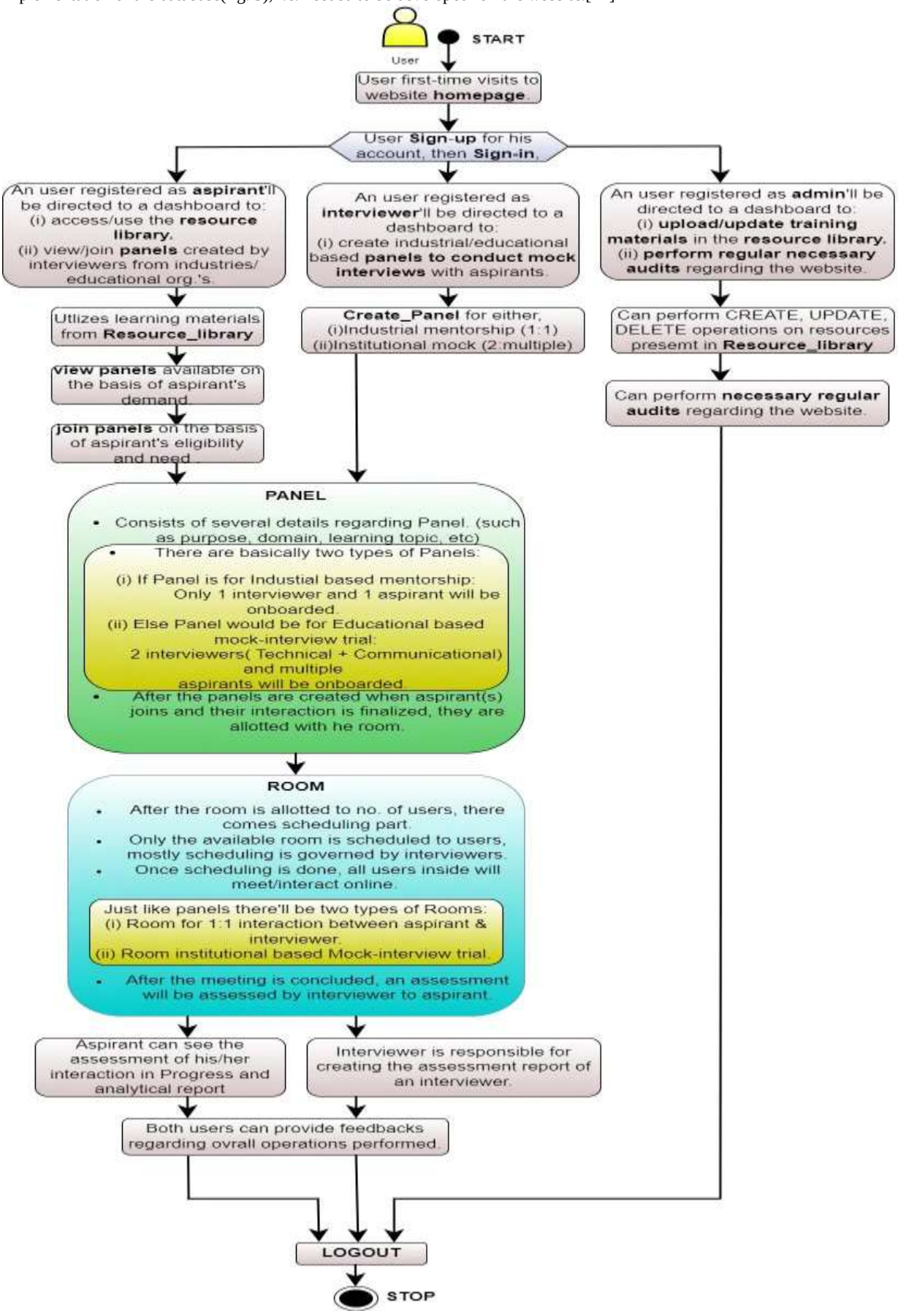

Fig. 1 UML-based activity diagram explaining the life cycle of web application

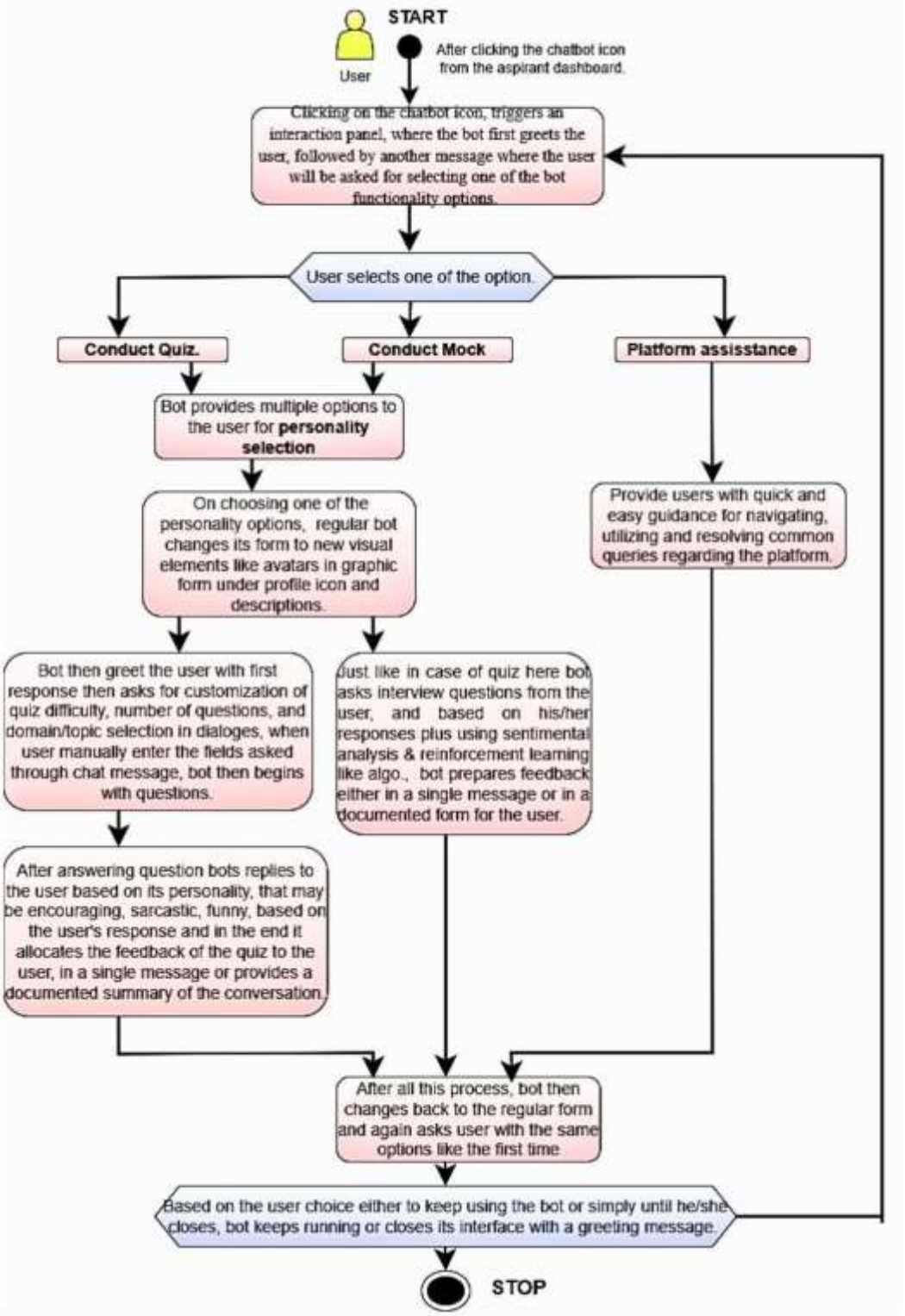

Fig. 2 UML-based activity diagram explaining the life cycle of chatbot.

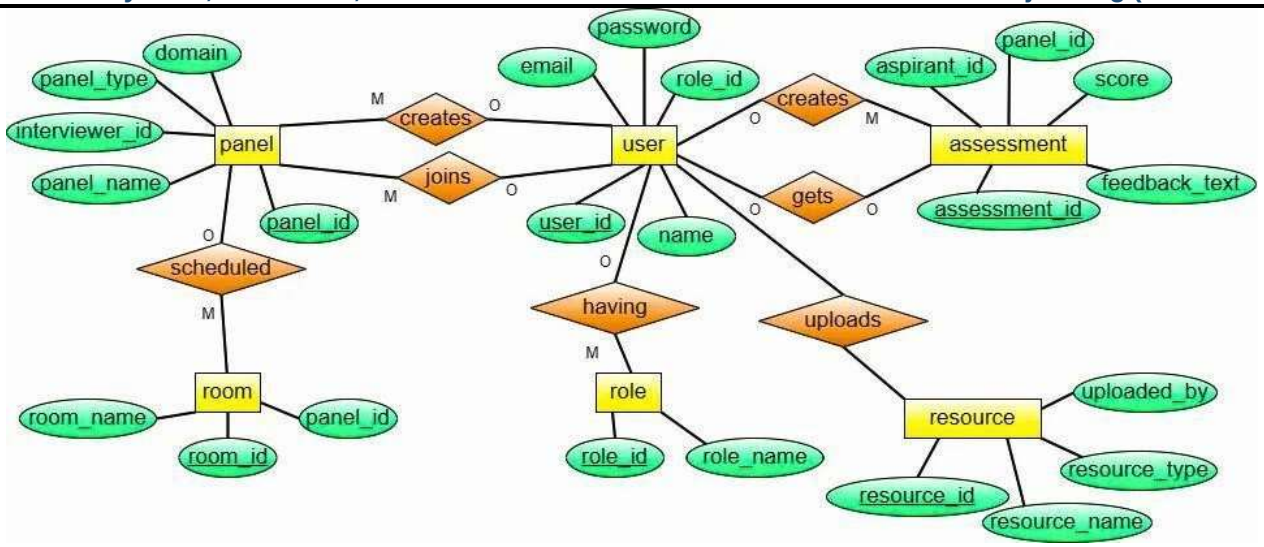

Fig 3- Implementation of a raw designed database in an Entity Relationship diagram for MockVault

4. Figures & Tables

4.1. Glassdoor Economic Research[28]:-

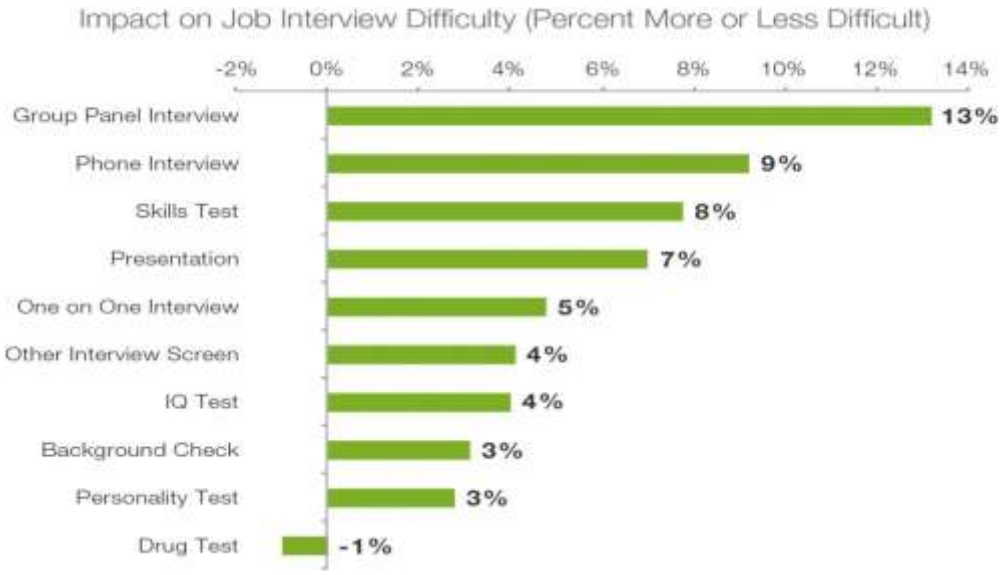

Fig 4 Impact on Job interview difficulty (percent more or less difficult)

– This figure displays ten distinct interview screens and their statistically significant effects on interview difficulty. It illustrates the percentage change in perceived difficulty, on a scale of 1 to 5 stars, that each interview screen contributes to a typical job interview[28].

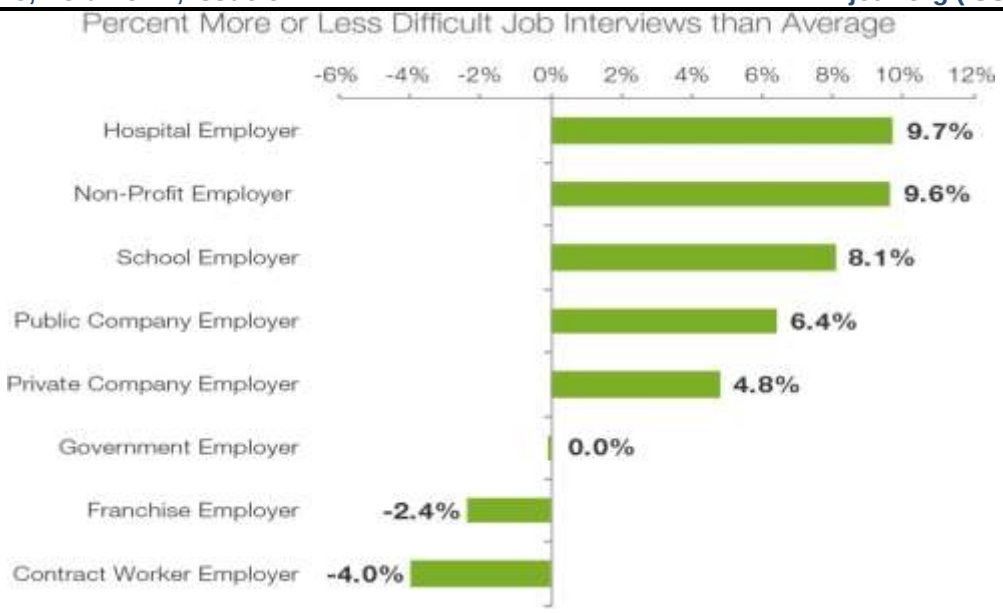

Fig. 5 Percent more or less Difficult job interviews than average

- This figure presents the average difficulty level of interviews, adjusted for factors such as job title, industry, and location. This figure shows how certain factors can make interviews either more or less challenging, after accounting for these variables [28].

5. Future Scope

In order to maintain feasibility while achieving specific long-term objectives, the role of Future Scope becomes evident in shaping the project. The focus areas are centered around integrating Artificial Intelligence (AI) and improving user experience through enhanced notification systems. These future enhancements will cover domains such as AI, machine learning, and SMTP for mailing and messaging systems. Below are the detailed future scopes, including additional futuristic features that could be integrated to enhance the mock-interview platform.

5.1. AI-Driven Enhancements

- **AI in Result Assessment:** An AI-based assessment system could be integrated to analyze aspirants' answers during mock interviews. This system can review not only the technical accuracy of responses but also soft skills like communication, confidence, and problem-solving abilities.

5.2. Integrated Tools for a Seamless, Sustainable Interview Experience (Meeting Room Server with Built-in Code Compiler/Calculator): For technical interviews, integrating an online compiler within the meeting room would allow aspirants to write and test code in real-time while being interviewed. This feature would add authenticity to the mock interview process, simulating real coding interviews conducted by tech companies.

- **Real-time Problem-Solving Environment:** Candidates can demonstrate their coding skills, and interviewers can interact and provide real-time feedback.
- **Collaboration Tools:** Interviewers and aspirants can collaborate within the compiler, with features like live code sharing, code review, and debugging sessions.
- **Calculator/Whiteboard Integration:** A built-in calculator or whiteboard for algorithm or mathematical problem-solving can add more utility to the interview room, allowing users to explain and visualize complex problems.

5.3. Enhanced Communication and Automated Email Notification System (SMTP Integration): A robust email notification system can be added to alert users about interview schedules, upcoming panel sessions, interview feedback, and progress reports. This would enhance the platform's usability and make sure better engagement.

- **Customizable Notifications:** Users can opt for specific types of notifications (e.g., new materials in the library, assessment feedback).
- **Event-Based Alerts:** Trigger email notifications for specific actions like panel creations, interview assignments, feedback availability, and room scheduling.
- **Reminder System:** A calendar-based reminder system that syncs with email alerts, helping aspirants keep track of important dates like interview schedules, training sessions, and feedback deadlines.

5.4. Cloud-Based Data Analytics and Reporting: It can be integrated into the platform, allowing for real-time tracking of user progress and performance trends. Admins can generate reports on platform usage, identify common areas where aspirants struggle, and refine learning materials accordingly.Interviewers can get detailed insights into an aspirant's progress over time, helping them tailor future mock interview sessions.

5.5. **Gamification and Leaderboards**: To boost user engagement, introduce gamification features where users can earn points, badges, or certificates based on their performance in mock interviews, quizzes, and overall progress.[29]

- **Challenges and Rewards:** Weekly challenges where aspirants compete to solve coding problems or perform well in mock interviews, rewarding top performers with points or virtual certificates.
- **Learning Streaks:** Encourage aspirants to keep up with regular practice by maintaining "streaks" where they consecutively login and practice certain tasks (e.g., completing coding exercises).
- **Leaderboards and Peer Comparison:** Display leaderboards based on scores from mock interviews, resource library usage, and learning activities to foster healthy competition. This can also serve as motivation for aspirants to improve.
- **Regional/National Rankings:** Users could compare their performance against others in their area or nationwide, gaining insight into their competitive standing.
- **Industry-Specific Rankings:** Users could rank themselves against others applying for similar roles or in the same industry.

5.6. **AI-Driven Dynamic Panel Creation for Aspirants:** AI could automatically assign aspirants to panels based on their progress, skill level, and preferred industries, reducing the need for manual intervention from admins or interviewers. The system can also pair aspirants with the most relevant interviewers based on expertise and career goals.

6. Result

MockVault revolutionizes the landscape of interview preparation by bridging critical gaps in accessibility, personalization, and practical exposure. By integrating structured company-specific content, aptitude resources, and technical practice modules with interactive, AI-powered personality-driven chatbots, the platform fosters a dynamic and engaging learning environment for aspirants. The dual-panel system—supporting both individualized and institutional mock interviews—ensures flexibility and scalability, accommodating a wide spectrum of users from independent learners to academic institutions. By democratizing high-quality interview preparation through automation, expert collaboration, and intelligent feedback systems, this solution not only enhances the confidence and competence of job seekers but also contributes to a more inclusive and equitable job market.

Features	Existing System	Mockvault
Company-specific content/Resource Library	✗	✔
AI powered personality-driven chatbot	✗	✔
Individualized and Institutional Panels	✗	✔
Expert Collaborations	✗	✔
Intelligent feedback System	✗	✔

References

1. Svensson, R.B., Gorschek, T., Regnell, B., Torkar, R., Shahrokni, A. and Feldt, R., 2011. Quality requirements in industrial practice—an extended interview study at eleven companies. *IEEE transactions on software engineering*, *38*(4), pp.923-935.
2. Poundstone, W., 2012. *Are You Smart Enough to Work at Google?: Fiendish Interview Questions and Puzzles from the World's Top Companies*. Simon and Schuster.
3. Lin, L., D'Haro, L.F. and Banchs, R., 2016, October. A web-based platform for collection of human-chatbot interactions. In *Proceedings of the Fourth International Conference on Human Agent Interaction* (pp. 363-366).
4. AIT BAHA, T., EL HAJJI, M., ES-SAADY, Y., FADILI, H. and EL MAHI, A., Enhancing Chatbot Interactions Through Personality-Driven Style Transfer. *Available at SSRN 4710310*.
5. Pereira, J., 2016, November. Leveraging chatbots to improve self-guided learning through conversational quizzes. In *Proceedings of the fourth international conference on technological ecosystems for enhancing multiculturality* (pp. 911-918).
6. Roy, A., Singh, D. and Sahana, S., 2021, February. Educational assistance bot. In *Journal of Physics: Conference Series* (Vol. 1797, No. 1, p. 012062). IOP Publishing.
7. H Al Shammari, M., 2022. Digital platforms in the emergency remote education: the students' preferences. *Arab World English Journal (AWEJ) Volume*, *12*.
8. Fantinelli, S., Cortini, M., Di Fiore, T., Iervese, S. and Galanti, T., 2024. Bridging the Gap between Theoretical Learning and Practical Application: A Qualitative Study in the Italian Educational Context. *Education Sciences*, *14*(2), p.198.
9. Hartwell, C.J. and Campion, M.A., 2016. Getting on the same page: The effect of normative feedback interventions on structured interview ratings. *Journal of Applied Psychology*, *101*(6), p.757.

10. Bagwell, K., Mavroidis, P.C. and Staiger, R.W., 2002. It's a question of market access. *American Journal of International Law*, *96*(1), pp.56-76.
11. Young, M.J., Behnke, R.R. and Mann, Y.M., 2004. Anxiety patterns in employment interviews. *Communication Reports*, *17*(1), pp.49-57.
12. Campbell, R.J., Robinson, W., Neelands, J., Hewston, R. and Mazzoli, L., 2007. Personalised learning: Ambiguities in theory and practice. *British journal of educational studies*, *55*(2), pp.135-154.
13. Klarin, M.V., 2016. Twenty-first century educational theory and the challenges of modern education: Appealing to the heritage of the general teaching theory of the secondary educational curriculum and the learning process. *Russian Education & Society*, *58*(4), pp.299-312.
14. Sharma, M., 2009. How Important Are Soft Skills from the Recruiter's Perspective. *ICFAI Journal of Soft Skills*, *3*(2).
15. Beecham, S., Baddoo, N., Hall, T., Robinson, H. and Sharp, H., 2008. Motivation in Software Engineering: A systematic literature review. *Information and software technology*, *50*(9-10), pp.860-878.
16. Preplaced. (n.d.). *Mock Interviews and Career Guidance Platform.* Retrieved December 20, 2024, from https://www.preplaced.in/
17. Exponent. (n.d.). Pramp: Mock Interviews for Tech Interviews. Retrieved December 20, 2024, from https://www.pramp.com
18. InterviewBuddy. (2017). InterviewBuddy: Professional Mock Interviews and Career Coaching. Retrieved December 20, 2024, from https://interviewbuddy.net/
19. Interviewing.io. (n.d.). Interviewing.io: Mock Interviews with Engineers. Retrieved December 20, 2024, from https://interviewing.io/
20. Exponent. (n.d.). Exponent: Interview Preparation for Tech Professionals. Retrieved December 20, 2024, from https://www.tryexponent.com/
21. Qalati, S.A., Vela, E.G., Li, W., Dakhan, S.A., Hong Thuy, T.T. and Merani, S.H., 2021. Effects of perceived service quality, website quality, and reputation on purchase intention: The mediating and moderating roles of trust and perceived risk in online shopping. *Cogent Business & Management*, *8*(1), p.1869363.
22. Morkonda, S.G., Chiasson, S. and van Oorschot, P.C., 2021, November. Empirical analysis and privacy implications in OAuth-based single sign-on systems. In *Proceedings of the 20th Workshop on Workshop on Privacy in the Electronic Society* (pp. 195-208).
23. Jadhav, B., Sawant, A., Shah, A., Vemula, P., Waikar, A. and Yadav, S., 2024, March. A Comprehensive Study and Implementation of the Mock Interview Simulator with AI and Pose-Based Interaction. In *2024 1st International Conference on Cognitive, Green and Ubiquitous Computing (IC-CGU)* (pp. 01-05). IEEE.
24. Stoilova, E., 2021. AI chatbots as a customer service and support tool. *ROBONOMICS: The Journal of the Automated Economy*, *2*, pp.21-21.
25. Chen, L., Zhao, R., Leong, C.W., Lehman, B., Feng, G. and Hoque, M.E., 2017, October. Automated video interview judgment on a large-sized corpus collected online. In *2017 Seventh International Conference on Affective Computing and Intelligent Interaction (ACII)* (pp. 504-509). IEEE.
26. Veeramanickam, M.R.M. and Ramesh, P., 2022. Analysis on quality of learning in e-Learning platforms. *Advances in Engineering Software*, *172*, p.103168.
27. Armour, F. and Miller, G., 2000. *Advanced use case modeling: software systems*. Pearson Education.
28. Glassdoor. (n.d.). What Makes a Job Interview Difficult? *Glassdoor Economic Survey*. Retrieved December 20, 2024, from https://www.glassdoor.com/blog/what-makes-a-job-interview-difficult/
29. Strmecki, D., Bernik, A. and Radosevic, D., 2015. Gamification in E-Learning: Introducing Gamified Design Elements into E-Learning Systems. *J. Comput. Sci.*, *11*(12), pp.1108-1117.