



SOFTWARE ARCHITECTURE DOCUMENT

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Team Bot

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1. Introduction

Currently, there is an increase in job seekers in all employment fields, both educational and non-educational. Companies and industries are also growing and so are their needs for employees and staffing. Potential employee candidates are assets to a company and motivating them to join the company is not an easy task. For the entire employment process, the company needs time, more employees and an increased budget. To ease the recruiting process, we are proposing “Recruiter Hub”, a web application which works like a complete recruiting system. This application will not only recruit potential jobseekers but also makes the whole application process, recruiting tasks, management tasks, etc. easier to handle. A representative from a company can manage the whole recruiting process using the same platform. This helps the company deal with the entire application process (job listing, applicants sorting etc.) on a single platform and with ease. This document highlights the software architecture behind the system we named “Recruiter Hub”.

1.1 Purpose

1.1.1 Problem Statement

The rapid evolution of Information technology has created an increased demand for faster and more efficient ways of doing business. Presently, there are several options when it comes to the acquisition of talents to fill roles. Some examples are:

- LinkedIn
- Indeed
- Glassdoor
- Hiring through Agencies
- Walk in/ Manual submission of application letters and resumes.

Just to name a few, Schulz and most companies already use some of the above methods but are facing some problems. A few of them are:

- Unable to find a suitably qualified person for the job.
- Unable to convince online readers to apply for the job.
- Lack of talent Sourcing.

Reaching the right candidates is a major issue for these companies. This is because the productivity of their companies is at stake. Moreover, it is tough to convert users to applicants if they are not able to connect themselves with the offered position.

1.1.2 Objectives

We aim to provide an online recruitment tool “Recruiter Hub” through which users will be able to connect their career goals and aims with offered positions and be willing to apply for their corresponding jobs. This will help to hire the perfect fit for the project, which will be aligned with company goals.

This document will describe the architecture of a system and the architectural decisions which have been made on the system. The different views of our proposed system like use-case view, logical view, process view and deployment view are described in detail.

1.2 Scope

The scope of the document highlights the overall application system of “Recruiter Hub”. Starting from the use-cases, it shows the logical aspects of the system consisting of possible layering and subsystems. Also, the process or sequences of different domains in the system are described in this document. This document is not

a complete or final one, some areas can differ based on the possible requirements of the company, which includes budget, time resource and staff. It can be modified according to the need of the situation while developing as well.

1.3 Stakeholders

NAME	DESCRIPTION	RESPONSIBILITIES
Software developers	Coders of the system	They are responsible for coding the UI and Backend of the site.
Software Tester	They check the usability of the system.	They are responsible for the analyzation and testing of the system to make sure its market ready.
Product Owner /Admin	Conceiver and initiator of product idea	They are responsible for leading the developing process, selling the product, listening for product feature proposals, and conceive current ideas and features.
Guest User	End user of the system	Responsible for accessing the available functionalities of the system without logging in.
Registered User	End user of the system	Responsible for accessing the available functionalities of the system after logging in.
Project Manager	Manager of the design process of the system.	Responsible for managing the entire design process of the system. (I.e., from idealization stage to the maintenance stage.

1.4 Non-functional Requirements

1. **High performance and responsiveness:** High efficiency is always required from the system. The system must respond as fast as possible when being used. The system should be able to cope with the load of users.
2. **User-friendliness:** The system must have a user-friendly UI and subsystems. The fonts, colors, objects in UI must be in line with the users need.

3. **Security:** Security is one of the great concerns of the system. The system handles a huge range of user data, and other confidential data. So, there must be a security integration for database in the system.
4. **Failure tolerance:** The system should be fail-safe and capable of recovering and continuing to function in a matter of seconds after a failure.
5. **Human errors:** Humans are the primary source of involuntary (or voluntary) system problems. The system should always validate user input and any instruction in general even through errors.
6. **Maturity:** Every time a change is made, the system must run tests, and new tests must be written for new features. Unit and inter-module tests should be performed.
7. **Changeability:** Because everything is subject to change, the system should be able to handle any changes in features, sub-systems, or modules.

2. Architectural Overview

This section includes the technical aspect of the proposed system including relevant stacks behind it. Also, the architecture which has been followed to make the system usable and industry worthy. Apart from this overview, there are use-case views, logical view, process view, and deployment view to make it more understandable about the proposed system and its architecture. Each view consists of a brief description of the features, subsystems, and an overview of the system with relevant diagrams. These views are highlighted in detail in separate chapters to make it easy for the readers.

2.1 Technical Representation

We are classifying the technical aspects of the system into three categories which are:

Frontend Development: JavaScript MVC as a front-end web application framework. Using the MVC methodology allows easy modification of the entire application.

The reasons for choosing JavaScript MVC are:

- As there is segregation of the code among the three levels, developing web applications using the MVC model allows one developer to work on a particular section (say, the view) while another can work on any other section (say, the controller) simultaneously.
- The MVC platform hugely supports the development of SEO-friendly web applications.
- Packs everything into a single JavaScript file

Backend Development: Laravel as a web framework. It is an open-source, PHP framework that provides code libraries of commonly used functions to speed up the time to make a web app and help build more secure, scalable web apps.

- Good community support, and a lot of manuals, tutorials, and examples.
- It is packed with many built-in object-oriented libraries that are full of amazing features
- It makes the authentication system quite simple
- It is super-secure and does not allow any malware activities or security threats to enter the web app.
- Laravel framework provides automation testing support.

Database: MySQL as the database management system. The focus of this database is on stability, robustness, and maturity. Other popular solutions are Oracle and SQL servers, both not free

The reasons for choosing MySQL are:

- It's available for free.

- It offers a lot of functionality even for a free database engine.
- There are a variety of user interfaces that can be implemented.
- It can be made to work with other databases, including DB2 and Oracle.
- It supports structured data (SQL) as well as semi-structured data (JSON).

2.2 System Architecture

The proposed system “Recruiter Hub” uses the Monolithic Architecture. The reason behind using the approach is the scale of the system application. Since the proposed application system is simple to implement and the size of the projects staff members is limited to seven people, the monolithic approach suits accordingly with the criteria and requirements.

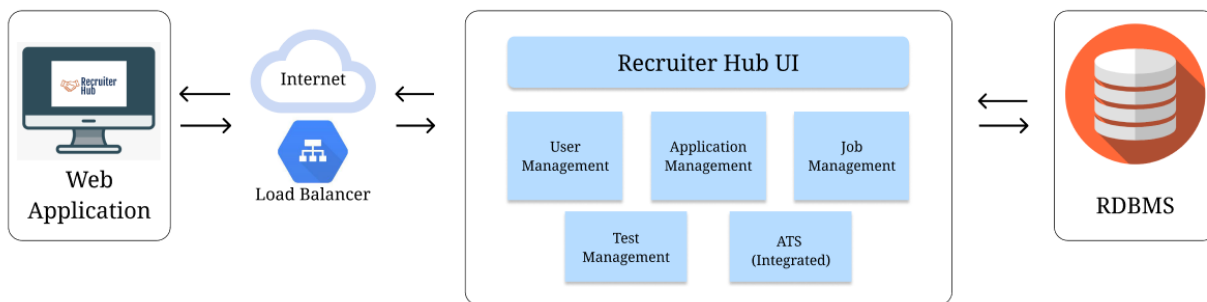


Figure 1: Monolithic Architecture Diagram for Recruiter Hub project

This diagram visualizes the simplicity of the project and being a rather small scaled application, it is simple to develop, test, deploy and scale the application in this approach. The diagram shows 3 layers in the architecture. The web application connects with the application system via load balancer and is responsible for handling HTTP requests. This area is under Presentation layer. The Business logic layer includes the application itself and its various logics behind it. The server side consists of database, which is Data layer, where all data of the system is stored. Using monolithic architecture, the development team of Recruiter Hub can develop with one directory. The changes and updates can be done at once and it will save time. Though the approach has some drawbacks in case of agility, reliability, slower development pace for the larger applications, being an initial start-up project and small scaled system, this architecture suits better than any other architectures.

3. Use-case View

3.1 Use-case Diagram



Figure 2: Use-Case diagram for Recruiter Hub

3.2 Use cases

3.2.1 Admin's Use-cases

Use Case Name	Registration
Scenario	A new user wants to create an admin account.
Triggering event	After providing all the information, the user will click "Register" button.
Brief Description	Admin will open the registration page and create an account.
Actors	Recruiters
Precondition	None
Post condition	User will create an admin account.
Flow of event	<p>User will load the Registration page.</p> <p>User will fill in the fields.</p> <p>User will click "Register" button.</p> <p>The system will check the validity of all input fields. If all the information is valid, an admin account will be created.</p>
Exception condition	If the account is found with the same email address in the database, the user will not be able to create an account with the same email address.

Use Case Name	Login
Scenario	Login to the system, using email and password.
Triggering event	Users will enter password and valid email and click.
Brief Description	User opens the login page from the header of job list page and will provide the email and password.
Actors	Recruiters
Precondition	Users should have a valid account.
Post condition	User login and will redirect to the dashboard.
Flow of event	<p>User will load the login page.</p> <p>User will provide the email and password.</p> <p>The system will check the validity of email and password.</p> <p>If the email or password will valid, the user will successfully login.</p>
Exception condition	If the email and password will invalid, the user will get an error. If the user forgets the password, he can click "Forget your password" button.

Use Case Name	Forget Password
Scenario	When a user forgets the password, he can recover it through "Forget your Password".
Triggering event	User will enter valid email and click "Reset".

Brief Description	User opens forget password screen and provide email address to receive password reset instructions.
Actors	Recruiters
Precondition	Users should have a valid account.
Post condition	Users will receive an email with step-by-step instructions to set up a new password.
Flow of event	User will open the forget password screen from login screen and provide the email address. When user will click send instruction button, the system will check the validity of email, if the email is valid, the instruction email will be sent.
Exception condition	If the system will not find any user record against email address, then use cannot proceed.

Use Case Name	Admin Dashboard
Scenario	Admin will check the statistics of all application and open positions.
Triggering event	Admin will enter email and password and click the "login" button.
Brief Description	Admin wants to know how many applications are open.
Actors	Recruiters
Precondition	Users should have a valid admin account.
Post condition	After successful login, the user will land on Admin dashboard.
Flow of event	User will load login page Users will enter admin email, password and click login button. If the system authorizes login details, the user will see the admin dashboard.
Exception condition	If the system will not authorize the user, an error will be shown on login screen and user will not proceed to the admin dashboard.

Use Case Name	Candidates Details
Scenario	Admin wants to check the list of candidates and their details.
Triggering event	From the dashboard admin will click "Candidates" from the left panel.
Brief Description	Admin will check the qualification experience and projects of the candidate.
Actors	Recruiters

Precondition	Users should have a valid admin account.
Post condition	Admin will find all the information about a candidate's profile.
Flow of event	<p>The user will open the Candidates list from the left panel.</p> <p>Users will click on any specific user.</p> <p>The system will give the profile details of a candidate based on the candidate ID which was clicked by the user.</p>
Exception condition	None

Use Case Name	Messages
Scenario	User to check, read and write messages.
Triggering event	From the dashboard admin will click "Messages" from the left panel.
Brief Description	User wants to check if some send a message, or he/she need to reply someone.
Actors	Student, professional, part-time workers, recruiters
Precondition	Users should have a valid account.
Post condition	Admin will read, write and send messages.
Flow of event	<p>User will open message from the dashboard menu located on left hand.</p> <p>User will open a message of a specific user.</p> <p>Users will read the chat history, write and send messages.</p>
Exception condition	None

Use Case Name	Calendar
Scenario	Admin will check the schedule for the day.
Triggering event	From the dashboard, the admin will click "Calendar" from the left panel.
Brief Description	Admin will check how many sessions are scheduled for today and the meeting details.
Actors	Recruiters
Precondition	Users should have a valid account.
Post condition	Admin will see the meeting setup for the day along with details.

Flow of event	<p>User will open Calendar from the dashboard menu located on left hand.</p> <p>The user will see all the meeting schedules and will open the meeting to check the details of attendees and agenda.</p>
Exception condition	None

Use Case Name	ATS
Scenario	Admin will check the cv and application assessment.
Triggering event	From the dashboard, the admin will click “ATS” from the left panel.
Brief Description	Admin will check the status of different in-progress applications and new applications.
Actors	Recruiters
Precondition	Users should have a valid account.
Post condition	Admin will see all the job applications and can do the assessment.
Flow of event	<p>The user will open ATS from the dashboard menu located on the left hand.</p> <p>The user will see all the applications which are new, under assessment or scheduled for interview.</p>
Exception condition	None

Use Case Name	Job applications
Scenario	Admin will check the job applications.
Triggering event	From the dashboard, the admin will click “Applications” from the left panel.
Brief Description	Admin will check all the job applications received for the jobs offered.
Actors	Recruiters
Precondition	Users should have a valid account.
Post condition	Admin will see all the applications for new job applications.
Flow of event	<p>Users will open “Applications” from the dashboard menu located on the left hand.</p> <p>The user will see all the new applications received for the positions offered.</p>

	User can open any application and can check the details.
Exception condition	None

Use Case Name	Test List
Scenario	Admin will check existing tests, add new tests, and remove already added tests.
Triggering event	From the dashboard, the admin will click “Test List” from the left panel.
Brief Description	Admin will see the questions of past tests, create new tests, and delete any existing tests.
Actors	Recruiters
Precondition	Users should have a valid account.
Post condition	Admin will delete and add new test.
Flow of event	<p>Users will open “Test List” from the dashboard menu located on the left hand.</p> <p>The user will see all the previous tests and will check the details of the test.</p> <p>Users can add a new test by clicking the add new test button.</p> <p>Users can remove any already added test by clicking the delete button.</p>
Exception condition	None

Use Case Name	Job List
Scenario	Admin will check existing job posting, add new job post, remove job post, and edit the already added job post.
Triggering event	From the dashboard, the admin will click “Job List” from the left panel.
Brief Description	Admin will see all posted jobs, create a new job post, remove job, and edit any existing job post.
Actors	Recruiters
Precondition	Users should have a valid account.
Post condition	Admin will add, remove, and update new job posts.
Flow of event	<p>Users will open “Job List” from the dashboard menu located on the left hand.</p> <p>The user will see all the previous jobs posting and will check the details of the it and can update it.</p>

	<p>Users can add a new job by clicking the “Add new” button.</p> <p>Users can remove any posted job by clicking the remove button.</p>
Exception condition	None

Use Case Name	Test Result
Scenario	Admin will review the result of the recently conducted test.
Triggering event	From the dashboard, the admin will click “Test Result” from the left panel.
Brief Description	Admin will check the summary of the test result and will see the individual test of participants.
Actors	Recruiters
Precondition	Users should have a valid admin account.
Post condition	Admin will review the test result.
Flow of event	<p>Users will open “Test Result” from the dashboard menu located on the left hand.</p> <p>The user will see the test result summary.</p> <p>The user will click on an individual result and see the result in detail.</p>
Exception condition	None

Use Case Name	Setting
Scenario	Admin will update the profile, set up notification setting and update security setting.
Triggering event	From the dashboard, the admin will click “Setting” from the left panel.
Brief Description	Admin wants to change the profile info, notification preferences and security options.
Actors	Recruiters
Precondition	Users should have a valid admin account.
Post condition	Admin will update the profile details, notification and security setting.
Flow of event	<p>Users will open “Setting” from the dashboard menu located on the left hand.</p> <p>The user will see and change the profile info.</p> <p>User will update password.</p>

	User will change the notification setting. User will change the privacy setting.
Exception condition	None

3.2.2 Registered User's Use-cases

Use Case Name	Registration
Scenario	A new user wants to create an account.
Triggering event	After providing all the information, the user will click "Register" button.
Brief Description	Users will open sign up page and create an account.
Actors	Student, professional, part-time workers
Precondition	None
Post condition	User will create an account.
Flow of event	User will load the Registration page. Users will fill in the fields and will upload a CV/Video CV. The system will check the validity of all input fields. If all the information is valid, a user account will be created.
Exception condition	If the account is found with the same email address in the database, the user will not be able to create an account with the same email address.

Use Case Name	Login
Scenario	Login to the system, using email and password.
Triggering event	Users will enter password and valid email and click.
Brief Description	User opens the login page from the header of job list page and will provide the email and password.
Actors	Student, professional, part-time workers,
Precondition	Users should have a valid account.
Post condition	User login and will redirect to the dashboard.
Flow of event	User will load the login page. User will provide the user and password. The system will check the validity of email and password. If the email or password will valid, the user will successfully login.
Exception condition	If the email and password will invalid, user will get an error. If the user forgets the password, he can click "Forget your password" button.

Use Case Name	Forget Password
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Scenario	When a user forgets the password, he can recover it through "Forget your Password".
Triggering event	User will enter valid email and click "Reset"
Brief Description	User opens forget password screen and provide email address to receive password reset instructions.
Actors	Student, professional, part-time workers
Precondition	Users should have a valid account.
Post condition	Users will receive an email with step-by-step instructions to set up a new password.
Flow of event	User will open the forget password screen from login screen and provide the email address. When user will click send instruction button, the system will check the validity of email, if the email is valid, the instruction email will be sent.
Exception condition	If the system will not find any user record against email address, then use cannot proceed.

Use Case Name	Search for Job
Scenario	Search for a job as a registered user.
Triggering event	The user will enter a search keyword and location and click the "Find Job" button.
Brief Description	When a user enters the search keyword and location and clicks the "Find Job" button, the system will check the matching offered job and will reflect it for the user.
Actors	Student, professional, part-time workers
Precondition	None
Post condition	If the search key is valid and related jobs are available, the user will see the list of jobs.
Flow of event	The user will load the job list page. The user will enter the search keyword and/or location and click the "Find Jobs" button. The system will check the available jobs against the search query. If the system finds the jobs against the search criteria, a list of jobs will appear.
Exception condition	If the system will not find the jobs against the search criteria, "Result not found" message will appear.

Use Case Name	Login user - Apply for Job
Scenario	Apply for a job as a registered user.
Triggering event	The user will answer some questions, provide information and click "Send Application" button.

Brief Description	When a user successfully answers questions and will click “Send Application” button, application will be sent to the admin account for review.
Actors	Student, professional, part-time workers
Precondition	ser should have a valid account.
Post condition	User application will be sent to the admin, and he will get a confirmation message.
Flow of event	The user will load the job list page. The user will open a job from the job list page. Users will answer the questions. If the user passes the initial checking criteria, she/he will be able to send a job application.
Exception condition	If the user will not pass the initial checking criteria, she/he will not be able to send a job application and will redirect to the Job list page.

Use Case Name	User Dashboard
Scenario	User will check the status of all applied jobs and any scheduled meeting.
Triggering event	User will enter email and password and click the "login" button.
Brief Description	User wants to know how many applications are in process, rejected, any new job opening and schedule meeting/interview with HR.
Actors	Student, professional, part-time workers
Precondition	Users should have a valid account and login.
Post condition	After successful login, the user will land on dashboard.
Flow of event	User will load login page Users will enter their email, password and click the login button. If the system authorizes login details, the user will see the dashboard with summarized data of applied jobs and schedule of upcoming meeting.
Exception condition	If the system will not authorize the user, an error will be shown on the login screen.

Use Case Name	User profile
Scenario	Users will add qualifications, experience, project, and certifications.
Triggering event	Users will click “My profile” from left panel.

Brief Description	User wants to add or update his qualification, project he works on, certification and work experience.
Actors	Student, professional, part-time workers
Precondition	Users should have a valid account and login.
Post condition	User profile will be updated.
Flow of event	A user will click on “Profile” from left panel. User will be able to add or update his profile information, education, work experience and his project.
Exception condition	None

Use Case Name	Job Applications
Scenario	Users will check the status of the job applications.
Triggering event	Users will click on “Applications” from the left panel.
Brief Description	User wants to know how many job applications are rejected, in progress and accepted.
Actors	Student, professional, part-time workers
Precondition	Users should have a valid account and login.
Post condition	Users see the job application status.
Flow of event	A user will click on “Applications” from left panel. A user will be able to see which application is rejected, which one is under review, and which is accepted.
Exception condition	None

Use Case Name	Tests
Scenario	Users will see the result of their tests and can take any offered test.
Triggering event	Users will click on “Test” from the left panel.
Brief Description	Users will see the result of the completed test and can start any available test.
Actors	Student, professional, part-time workers
Precondition	Users should have a valid account and login.
Post condition	Users see the see the test result and take the test.
Flow of event	A user will click on “Test” from left panel.

	<p>User will be able to see result of the past result he took.</p> <p>User will start any available test.</p>
Exception condition	None

3.2.3 Guest User's Use Cases

Use Case Name	Guest user - Search for Job
Scenario	Search for a job without being login
Triggering event	The user will enter a search keyword and location and click the "Find Job" button.
Brief Description	When a user enters the search keyword and location and clicks the "Find Job" button, the system will check the matching offered job and will reflect it for the user.
Actors	Student, professional, part-time workers
Precondition	User should enter a valid key word.
Post condition	If the search key is valid and related jobs are available, the user will see the list of jobs.
Flow of event	<p>The user will load the job list page.</p> <p>The user will enter the search keyword and/or location and click the "Find Jobs" button.</p> <p>The system will check the available jobs against the search query.</p> <p>If the system finds the jobs against the search criteria, a list of jobs will appear.</p>
Exception condition	If the system will not find the jobs against the search criteria, "Result not found" message will appear.

Use Case Name	Guest user - Apply for Job
Scenario	Apply for a job without being login
Triggering event	The user will answer some questions, provide information, and click "Send Application" button.
Brief Description	When a user successfully answers a question, provide personal and contact info and will click the "Send Application" button, it will be sent to the admin account for review.
Actors	Student, professional, part-time workers
Precondition	None
Post condition	User application will be sent to the admin, and he will get a confirmation message.
Flow of event	The user will load the job list page.

	<p>The user will open a job from the job list page. Users will answer the question and provide all the requested information.</p> <p>If the user passes the initial checking criteria, she/he will be able to send a job application.</p>
Exception condition	<p>If the user will not pass the initial checking criteria, she/he will not be able to send a job application and will redirect to the Job list page.</p>

4.Logical View

4.1 Subsystems

“Recruiter Hub” consists of several sub-systems and features. With respect to the logical aspect, the proposed system can be divided into four main sub systems.

- 1. User Management System**
 - User Login
 - New User Registration
 - Edit and manage Password scenarios
 - Access and Edit Dashboards
- 2. Job Management Subsystem**
 - Upload and manage job listings
 - Search for Jobs
 - Apply for jobs
 - Manage job applications
- 3. Test Management Subsystem**
 - Upload Test
 - Take Test
 - Grade Test
 - Upload Test Results
 - Check Test Results
- 4. Application Management Subsystem**
 - Sort Applications
 - Score Applications
 - Send out application results

Apart from these features, the application offers messaging features, notification, meeting scheduler, meeting platform, integrated ATS (applicant tracking system).

4.2 Layering

The logical View of “Recruiter Hub” has been divided into three layers namely the Presentation Layer, the Business Logic Layer, and the Data Layer.

4.2.1 Presentation Layer

This layer holds a series of user-friendly interfaces where candidates can view and interact with available job listings, create a profile by filling in predetermined questions, upload their resumes and or any other documents needed to successfully form a profile. Also, there are a series of interactive UI pages which enable candidates access tests for job listings and set notifications for job listings.

Furthermore, the presentation layer consists of an interactive interface for companies to register their services and upload available job listings according to their requirements and upload tests for applying candidates to take. This layer also provides an interface for candidates and companies to interact with each other.

4.2.2 Business Logic Layer

This layer helps users of the system to get answers and solutions to their queries of the system with the help of the presentation layer. In this project, the business logic layer aids candidates in receiving feedback for profiles created, password resets, applications applied and results from online tests taken. Candidates will be able to manage their profiles and update them as and when needed through the explicit user interfaces provided. Candidates will be able to take the tests provided by companies and receive results from said tests and finally candidates will be able to send and receive mails from companies after their initial screening process.

The business logic layer facilitates actions taken by companies through the presentation layer such as create and manage a company profile and upload and manage job availabilities and streamline applicants of said jobs. Companies will also be able to interact with their selected applicants through a messaging platform provided by the system. Also, companies will be able to upload tests for their job listings, grade the tests and send feedback to the perspective applicants.

4.2.3 Data Layer

This layer handles the storing of all data inputted into the system using cloud services.

This layer saves profiles of candidates, their job preferences, test results and messages to and from companies. Furthermore, this layer saves details of companies and their respective administrators, saves information about job listings, candidates that apply for jobs and short-listed ones. Also saves test questions and results uploaded by companies and taken by candidates.

4.3 Class diagram

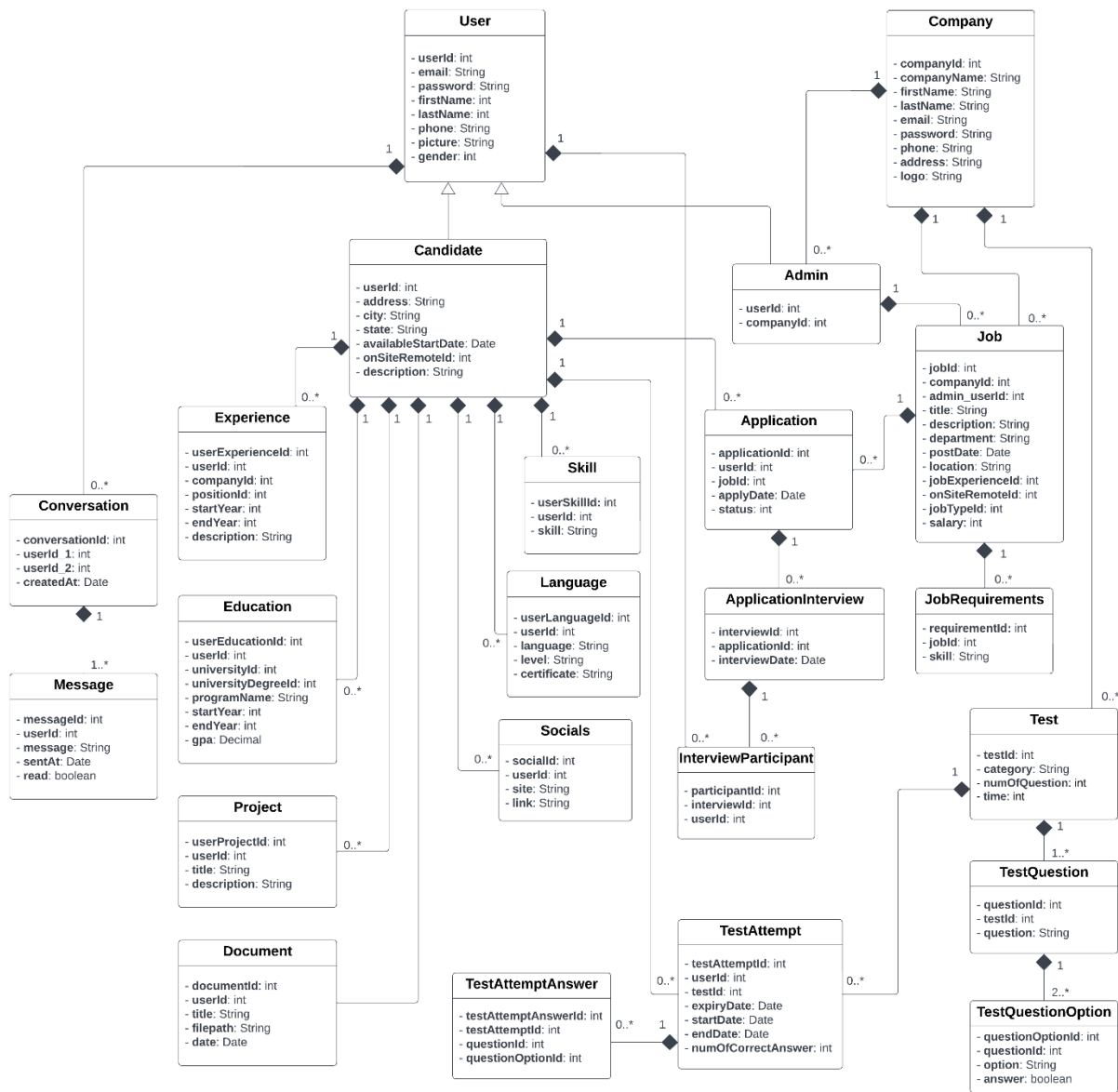


Figure 3: Class Diagram for Recruiter Hub

5. Process View

In this project, there are two key user groups: one is “Candidate”, another is “Admin”.

5.1 User Module (both Admin & Candidate)

5.1.1 User logs into the system

When a user tries to login with email and password, the system checks the validity and redirects to the dashboard. For candidates, it will be candidate dashboard and for the admin, it will admin dashboard. If the given input for login is invalid, the user will be asked to give the correct information again. The users can click “forget password” if they forget the password. An email will be sent to their email address and from there the user can create a new password.

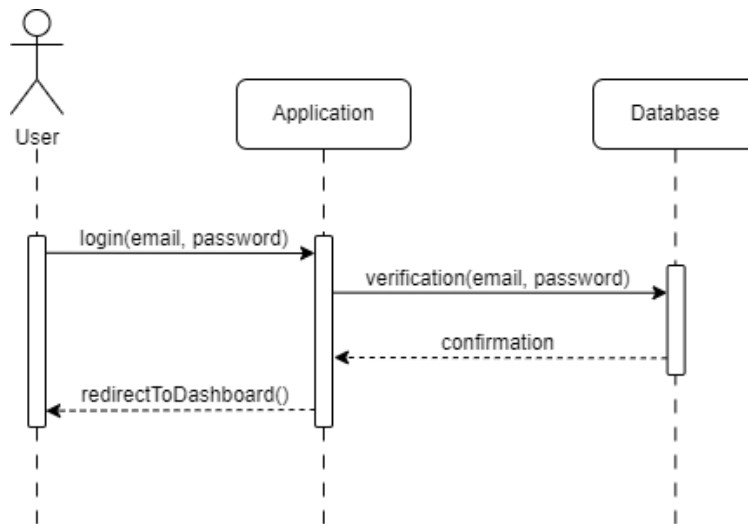


Figure 4: User tries to log in the system

5.1.2 User edits the profile

The user can edit the details after logging into the system. Name, address, email, contact number, and other personal details are available for each user.

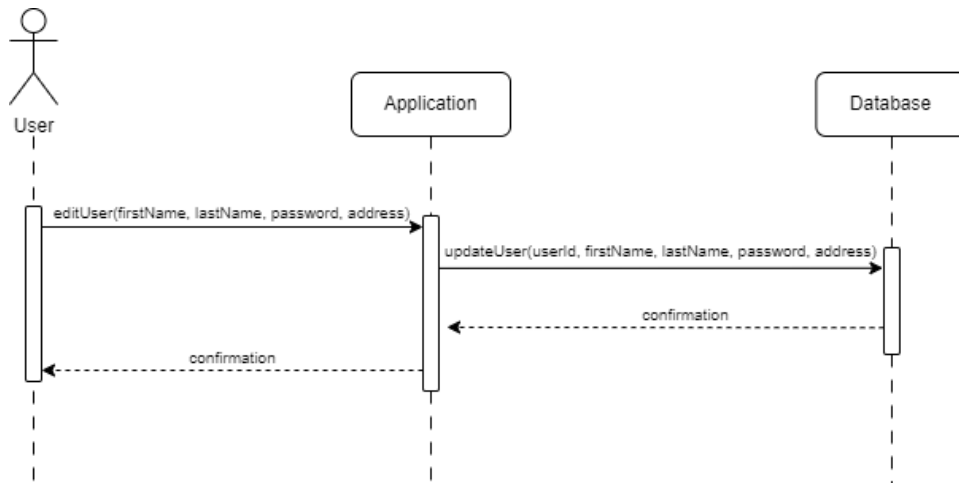


Figure 5: User edits the profile

5.2 Admin Module

5.2.1 Admin manages the candidate list

In the admin dashboard, admin can see all the registered candidates in the system. An admin can see the details of a candidate. The admin can edit a candidate's information, delete a candidate from the list and add a new candidate to the list.

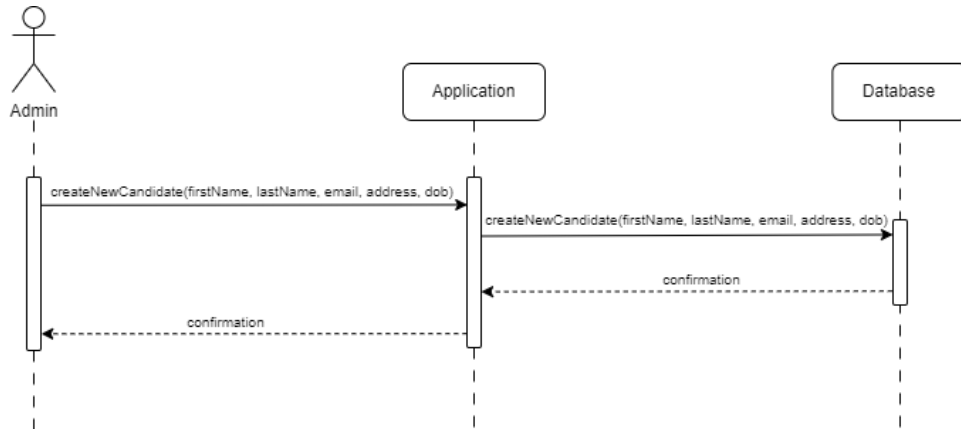


Figure 6: Admin creates new Candidate

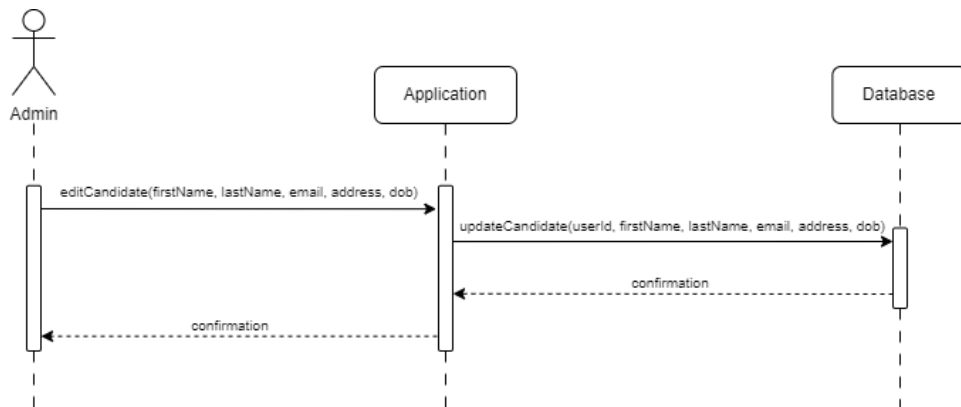


Figure 7: Admin edits Candidate profile

5.2.2 Admin manages Job list

The admin can add a new job in the system, edit the existing job list, and delete any job from the list. The admin has access to the details of the job in the system.

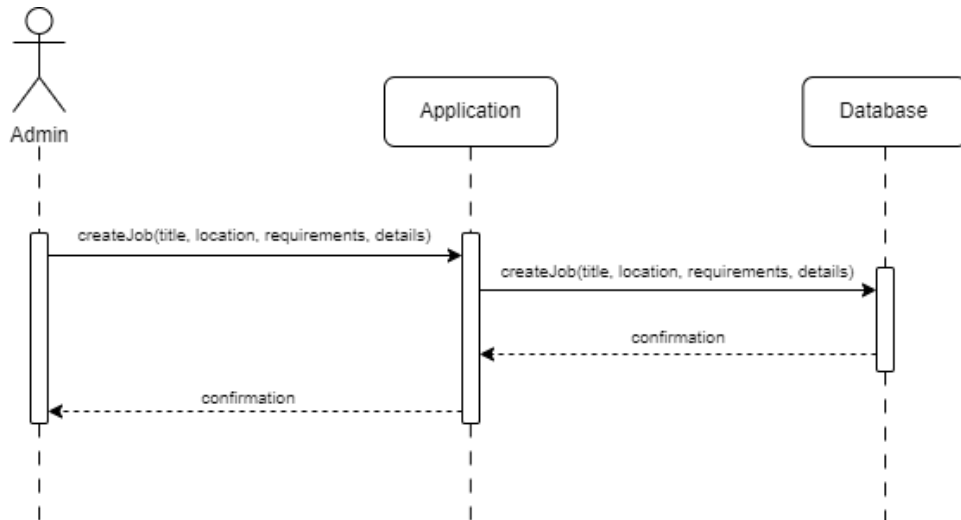


Figure 8: Admin creates new Job entity

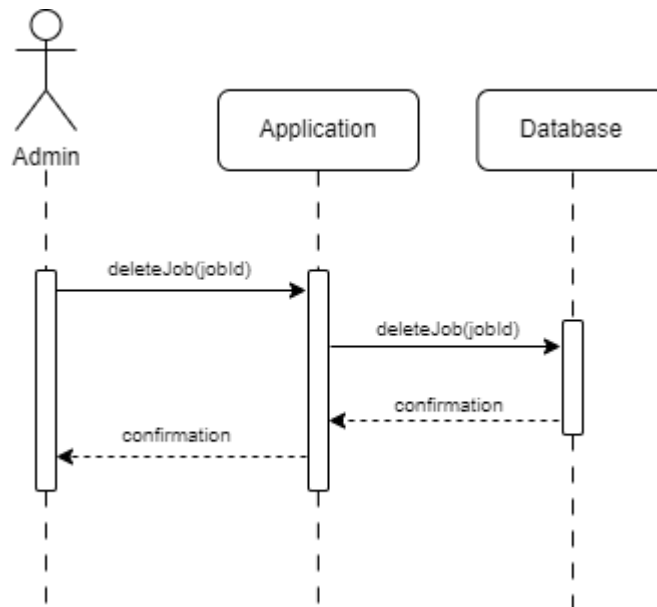


Figure 9: Admin deletes Job entity

5.2.3 Admin manages test for candidates

Admin has access to set up new tests for different job roles. He/she can add questions in the test. Admin can edit and delete the test when it's needed. The test can be published by the admin for the candidate to participate. The admin can access the test scores of individual candidates.

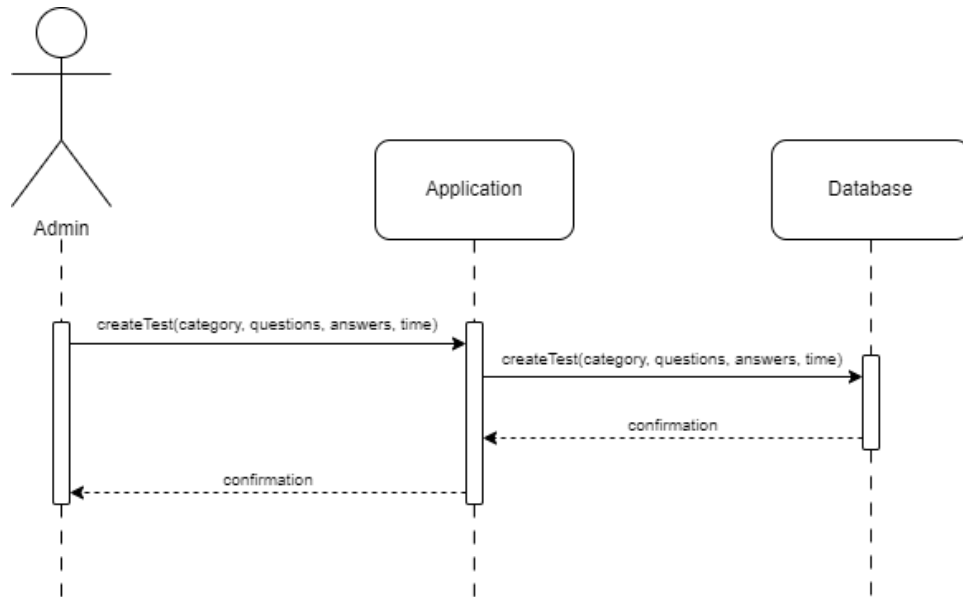


Figure 10: Admin creates New Test for candidates in the system

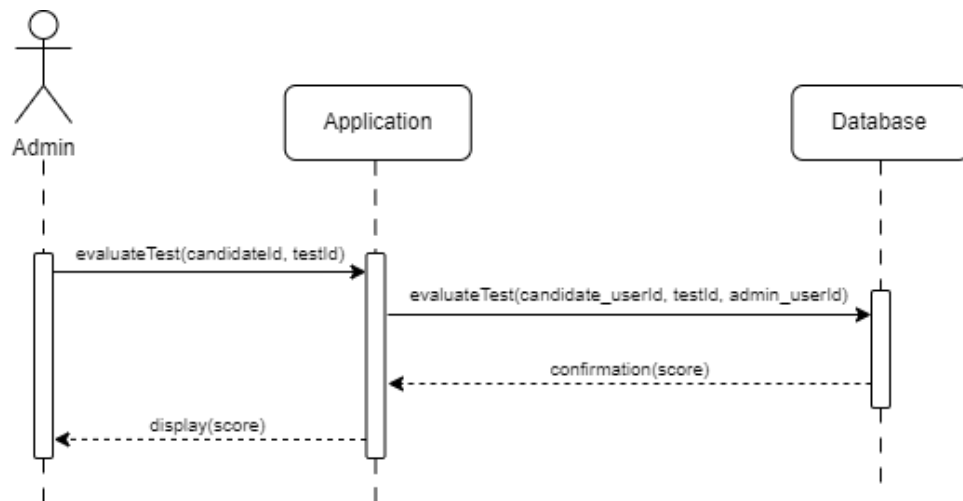


Figure 11: Admin evaluates tests of candidates

5.2.4 Admin arranges meetings

The admin can add meetings to the calendar of the system. The meetings are held with the passing candidates. The admin can edit and delete meetings in the system. These meetings include practices, interview sessions and different events.

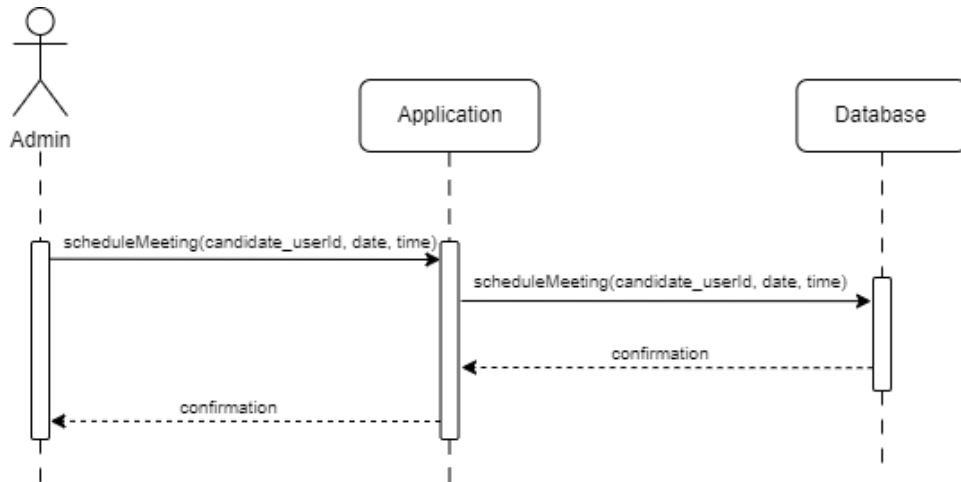


Figure 12: Admin schedules meeting with candidate(s)

5.2.5 Admin uses ATS

Admin can do assessment via ATS which is integrated into the system. ATS will assess the CV, profile or application of the candidate and give feedback to the admin in the system. If the candidate's profile matches with the job requirements, ATS will give the status to admin.

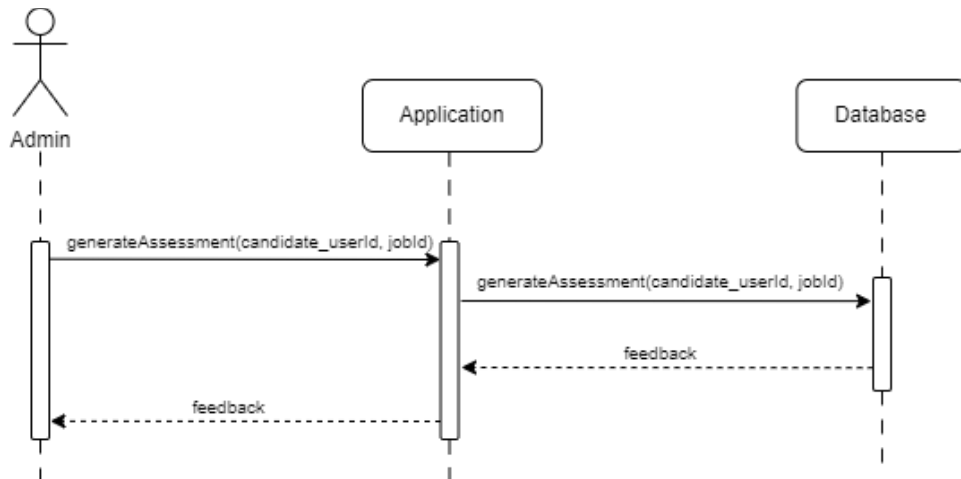


Figure 13: Admin does assessment by Integrated ATS in the system

5.3 Candidate Module

5.3.1 Candidate checks application status

Registered candidates can check the status of each job application process which includes “applied”, “accepted”, “interviewed”, and “hired” or “rejected”. The dates of status are also visible in the dashboard.

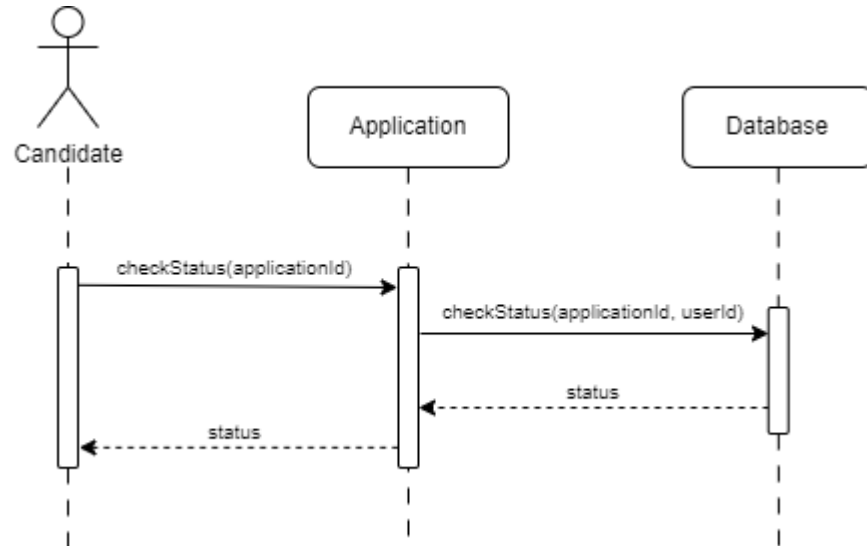


Figure 14: Candidate checks status of application in the system

5.3.2 Candidate takes part in test

Candidates can participate in the test for the applied job position in the system. They can see available questions of the test given by the company administration system and can check the test score after the evaluation.

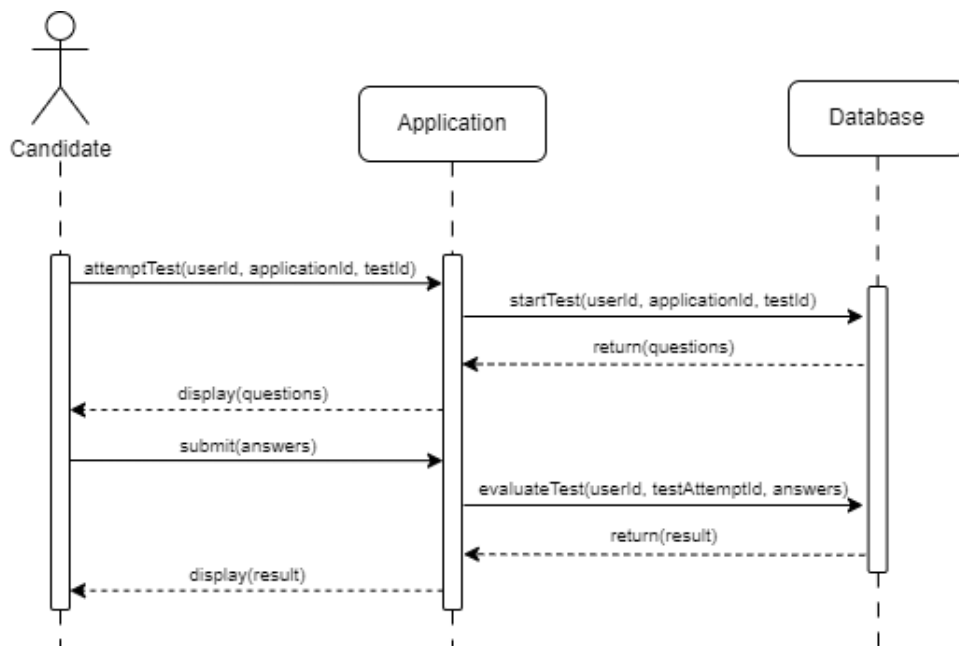


Figure 15: Candidate attempts test and gets result in the system

5.3.3 Candidate joins meetings

Registered candidates can see scheduled meetings by the company. They can join the meeting and take part in it.

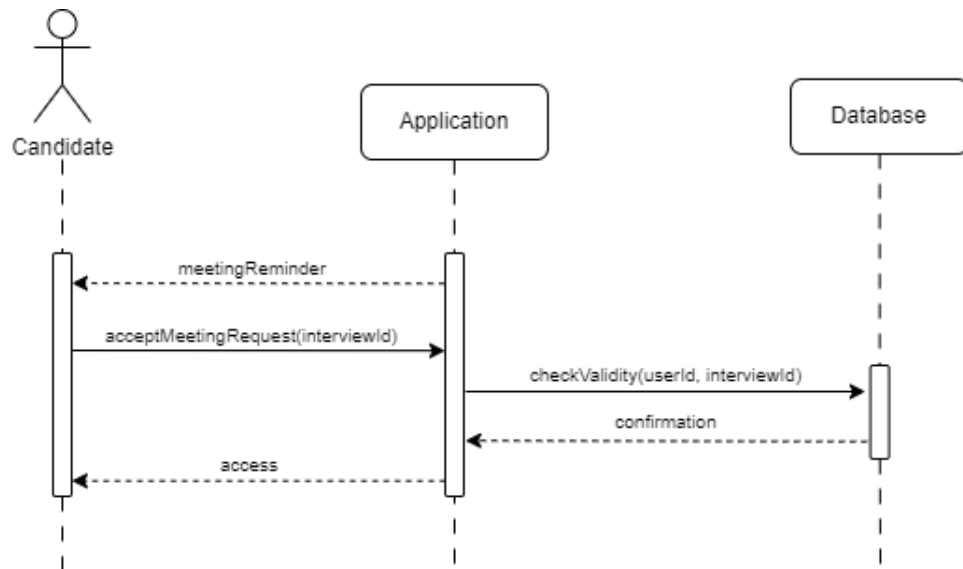


Figure 16: Candidate joins meeting in the system