



Tunku Abdul Rahman University of Management & Technology

AACS2084 Mini Project

**Assignment
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Programme : DSFY2S1

Tutorial Group : Group 3

Date Submitted to Tutor :

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Coursework Declaration

We confirm that we have read and shall comply with all the terms and conditions of TAR University College's plagiarism policy.

We declare that this assignment is free from all forms of plagiarism and for all intents and purposes is our own properly derived work.

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Programme:

AMCS2084 Mini Project Proposed Project Rubrics

Title: Job Portal

CLO1 Relate the software engineering concepts, methods and techniques to a given problem. (C3, PLO2)

CLO2 Practice software construction techniques to the given problem. (P3, PLO3)

CLO3 Design the software solution for the given problem. (C4, PLO6)

CLO4 Demonstrate personal development in term of responsibility (A3, PLO8)

***Important Notes:** Student must pass CLO2 to pass this course. If the student fail, make good test must be conducted by extending the time given to the students to finish their system.

Comments:

Supervisor's Signature:

Date:

C L O	Artifact	M a r k s	Criteria	Descriptors	Assessment Criteria			Mark by Supervisor			
					Poor	Acomplished	Good	Group Marks	Student 1	Student 2	Student 3
Group Marks											
1	Final Documentation	20	Organisation	- The entire report is well-organized and well-written. - The points are clearly articulated and presented in a coherent manner.	1	2-3	4-5				
			Content	-Includes all the required content of the report -Includes critical evaluation; decisions are well supported by the appropriate information and examples.	1-4	5-7	8-10				
			Language & Report Format	- Sentences use correct grammar, appropriate choice of words and are free from spelling errors. - All the contents of the report is properly formatted.	1	2-3	4-5				
3	Software Modelling	30	Requirements Engineering (Chapter 2)	- Methods and techniques used are well justified. (Methodology) - Requirements are complete and clear. (Fact gathering techniques & Requirement Analysis)	1-4	5-7	8-10				
			System Design (Chapter 3)	-Models are appropriate and correct (ERD, Use Case Diagram, - Designs are based on stated criteria, analysis and constraints - Design recommendations are well supported by information	1-4	5-7	8-10				

		User Interface Design (Chapter 3)	- Excellent design consistency and interface usability, visual effect and interactivity. - The application provides the user with appropriate feedback based on	1-4	5-7	8-1 0				
SUB-TOTAL MARKS (GROUP)										

	Artifact	M ar k s	Criteria	Descriptors	Assessment Criteria			Mark by Supervisor		
					Poor	Acomplished	Good	Group Marks	Student 1	Student 2
Individual Marks										
2	Prototype	40	Completeness & System Integration	- A working system fulfils all the requirements is delivered. - The entire system is perfectly appropriate for the target users. - All modules are integrated properly	1-7	8-14	15-20			
			Testing (Chapter 4)	-Produce proper and suitable test cases	1-4	5-7	8-10			
			Programming Logic	-Correct system logic. - Exceptions/user errors are handled well.	1-4	5-7	8-10			
4	Meeting with supervisor	10	Responsibility	- Demonstrates perfect attendance, always on time or early, and contributes meaningfully to discussions. - Demonstrates responsibility to lecturer and other people. - Accepts feedback and follows directions	1-4	5-7	8-10			
SUB-TOTAL MARKS (INDIVIDUAL)										
TOTAL MARKS										

ACKNOWLEDGEMENTS

My Team and I would like to express our deepest gratitude to all those who contributed to the successful completion of this project. First and foremost, we would like to thank our lecturer **Mrs Ellis Chieng** for her guidance, support, and invaluable feedback throughout the development of the **Talent Trove Job Portal Web Application**. Mrs insights were very crucial in refining our approach and ensuring the project met its objectives.

Other than that, I would like to express my gratitude and appreciation towards **Stack Overflow, GeeksforGeeks, W3Schools, and Youtube** tutorials allowing us to further improve our web application, making it easier for us to create our function, guiding us step by step, and helping us out throughout these past few semesters. I express my sincere thanks towards them.

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CHAPTER 1 INTRODUCTION

1.1 Project Background

Talent Trove is a leading application designed to connect job seekers and employers. Our goal is to ease the job search and hiring process for everyone. Talent Trove offers a range of tools to help users find their ideal jobs and for employers to find the right candidates.

For job seekers, Talent Trove provides profile management where job seekers can create and manage their profiles, showcasing their skills, experience, and achievements. Other than that, job seekers can make their resumes, making it easy to apply for jobs with just a few clicks. The advanced search filters allow users to easily find job opportunities that match with their skills and interests, making the job search process more efficient.

For employers, they can post job openings with detailed descriptions to attract the right candidates. Employers can manage their job listings efficiently by keeping track of applications and statuses.

Talent Trove prioritizes creating an intuitive and enjoyable experience for all users and ensures that all interactions on the platform are safe, protecting user data with robust security measures.

1.2 Project Objective

The objective of Talent Trove is to simplify the job search and hiring process by providing an intuitive interface that allows job seekers to effortlessly manage their profiles. Job seekers can easily delete, edit , update , and view the profile that they have developed, easily showcasing their skills, experience, and achievements. The platform allows job seekers to search for the desired work through the search filter , allowing users to find opportunities that align with their interest and qualifications. This ensures that job seekers can swiftly navigate through potential job listings and apply positions that suit them best.

For Employers, Talent Trove offers tools to post, read , update , and remove job listings. By providing detailed descriptions and relevant information in job postings, employers can attract the suitable candidates who meet their criteria. The platform includes a comprehensive management system that allows employers to track and manage applications, ensuring an organized and efficient hiring process. This functionality helps employers to not only reach a lot of candidates but also keep track of the hiring progress and make informed decisions.

1.3 Brief Overview of the Technologies Used

Developer Side

In our web application development assignment, we use a variety of technologies to ensure the creation of a functional website. For database management, we rely on MySQL, an open source relational database management system that uses Structured Query Language (SQL) to interact with and manage databases. Using MySQL allows us to efficiently create, manage, and manipulate the database according to our requirements.

As our primary development environment we use Apache NetBeans IDE 12.0. This integrated development environment (IDE) provides a comprehensive tool suitable for coding, debugging, and testing our application, streamlining the development workflow. To run our development environment locally, we use XAMPP Server, an easy to install and configure local development environment, making it ideal for us to test and debug their applications before deployment. XAMPP Server integrates MySQL and Apache, ensuring our application functions correctly in a simulated production environment.

Our application is built using a combination of Hypertext Preprocessor (PHP), JavaScript, HyperText Markup Language(HTML), and Cascading Style Sheet (CSS) and Javascript (js) . PHP is an open source scripting language suited for web development and can be embedded into HTML. known for its efficiency in handling dynamic content, session tracking, and databases, and it integrates seamlessly with MySQL. In general, PHP is for server-side scripting, handling the logic and interactions with the database. JavaScript (js) allows developers to implement and enhance the interactivity and functionality of our webpages, while HTML is the standard language used to create and design web pages and web applications by structuring content and defining elements such as headings, paragraphs, links , images, and more. In general, HTML structures the content of this web application. CSS is used for presentation and layout that controls the visual of an application, such as fonts, colors, spacing , and positioning , making the content more pleasing and user-friendly.

Client Server Architecture

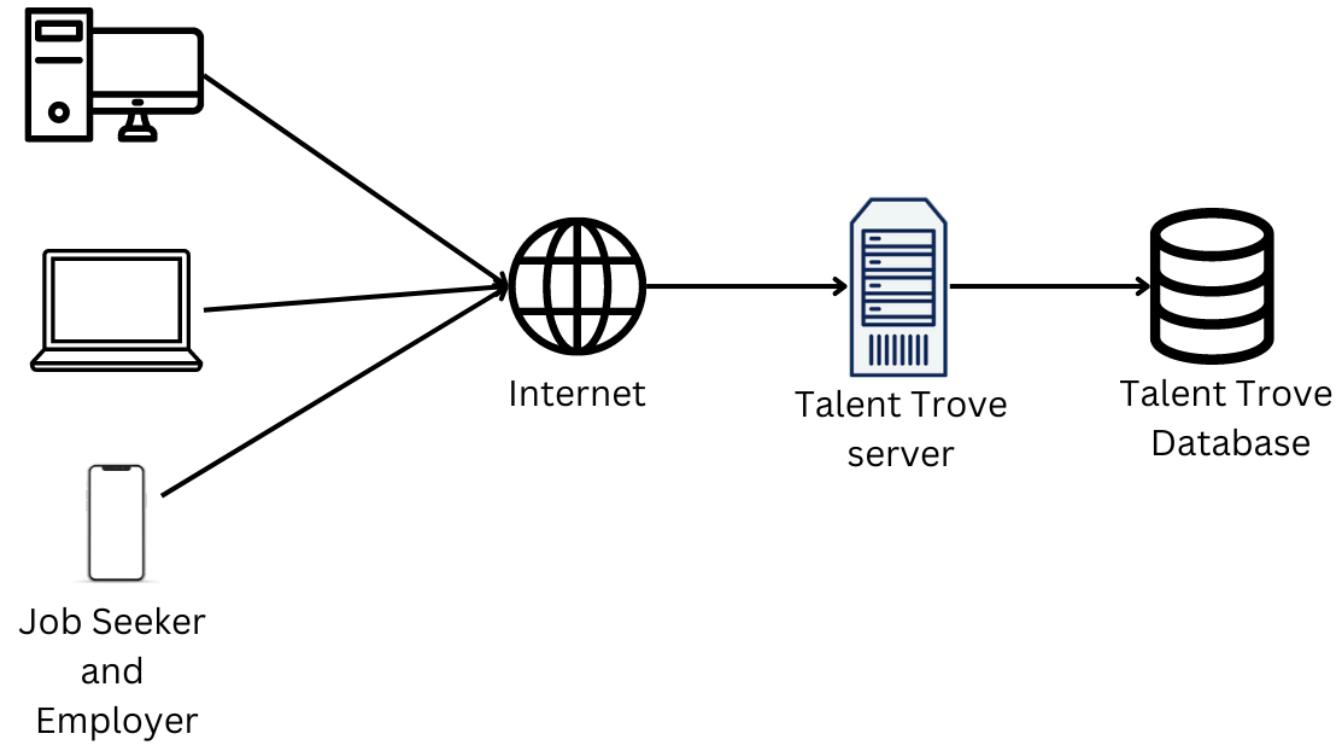


Figure 1.0 Client server architecture

In the Talent Trove application, the interaction begins on the client-side, where job seekers and employers use their devices (e.g., laptop, smartphones, personal computer) to access the web application. When a job seeker, for instance, applies for a job, their device sends an HTTP request containing the application data to the Talent Trove server. This request travels over the internet, which acts as the connection for data transmission between the client and the Talent Trove Server. The internet ensures that the data packets are routed correctly to reach the server-side of the application.

Upon receiving the HTTP request, the server processes it by executing the necessary business logic, such as validating the application data and checking the status of job listing. The server then interacts with the database to retrieve or update data. In this case, the server queries the database to verify that the job listing is still active and updates the database with the new application details. This interaction between the server and the database is crucial for maintaining the integrity and accuracy of data stored in the system.

After processing the request and updating the database, the server prepares a response, which is then transmitted back to the client's device via the internet. This response might include a confirmation message indicating that the job application has been successfully submitted. The client-side application receives the response and updates the user interface accordingly, providing immediate feedback to the job seeker. This flow of interaction between client, internet, Talent Trove Server, and Talent Trove Database ensures a responsive and efficient user experience for job seekers and employers using the Talent Trove platform.

CHAPTER 2 SYSTEM PLANNING AND ANALYSIS

2.1 Methodology

For starters our system called Talent Trove is a job portal where there are two types of user, one is those who are interested in finding a job, and the other is those who are in need of employers. This system is to ease the process of finding a job and finding an employer.

The methodology used in the development of Talent Trove, is the Waterfall Model, It is the primary software development methodology. We have chosen this approach due to its simplicity and sequential nature, which aligns well with the structured tasks and clear requirements of the project. The Waterfall Model is characterized by a linear and systematic progression through distinct phases, ensuring that each phase is completed before moving on the next phase.

The first phase is gathering the requirements and analysis, during this phase we as a team worked together to collect and document the functional and non-functional requirements of the system through questionnaires and interviews with potential users (both job seekers and employers). The project objectives, scope, and features were clearly defined and documented, ensuring that all is understood before progressing to the next phase.

The second phase is the system design. Based on the requirements we have gathered through questionnaires and interviews, the systems architecture and data flow were designed. Key designs included the schema (ERD), user interface mockups, and module interaction diagrams. This phase ensured that both front-end and back-end of the system were well structured and aligned with the project's goals and objectives.

The third phase is coding, by coding we will implement by first coding the individual modules of our job portal. Here technologies such as PHP, MySQL, Javascript, and css were used to develop this system. The implementation was guided by the design specifications laid out in the previous phase, ensuring that each component functions as intended.

The fourth phase is the testing phase, after the implementation phase is done the system will undergo testing to ensure that all functionalities work correctly. Both unit testing and integration testing were conducted to identify and fix any bugs. Test cases were created to evaluate the systems ability to meet user requirements and handle various scenarios.

The fifth phase is the deployment phase, once the system has passed all testing phases, it will deploy in the local development environment using XAMMP Server for final validation. Upon successful testing in this environment, the system was prepared for deployment in the production environment.

The sixth and final phase is the maintenance phase, although the Waterfall Model traditionally does not include an iterative maintenance process, the team remains committed to addressing any post-deployment issues and implementing the future updates as required.

2.2 Fact Gathering Techniques

2.2.1 Questionnaire

Questionnaire for both Job Seekers and Employers. The Questionnaire can be accessed at this link:

https://docs.google.com/forms/d/e/1FAIpQLScNeyY9ZxvyeaUpMEV0XGKnVEtqGkeqKo7n5Kez46_6OM6VZO/viewform?usp=sf_link

Questionnaire for Talent Trove (Job Portal)

Questionnaire for a Job Portal application to understand system requirements.

chubbyko@gmail.com [Switch account](#)



Not shared

1. Age Group

- 18 - 21
- 22 - 25
- 26 - 30
- 30 - 35
- 36 - 40
- 45 - 55
- 60 +

2. How often do you search for jobs?

- Daily
- Weekly
- Monthly
- Occasioanlly
- Rarely
- Barely

3. Which device do you primarily use to search for jobs?

- Desktop/Laptop
- Smartphone
- Tablet
- Other: _____

Figure 2.2.1 Questionnaire 1-3

4. Which type of job application process do you prefer?

- Filling out forms on the job portal
- Uploading a resume/CV directly

5. What would make you leave a job portal?

- Lack of relevant job postings
- Slow response from employers
- Too many irrelevant job recommendations
- Lack of job filters

6. How often do you post job listings online?

- Weekly
- Monthly
- Quarterly
- Occasionally
- Other: _____

7. What features are most important when managing job applications?

- Ability to view candidate profiles
- Filtering applications by skills/experience
- Application status tracking
- Other: _____

Figure 2.2.2 Questionnaire 4-7

8. How often do you review job applications from job seekers?

- Daily
- Weekly
- Monthly
- Only when I urgently need to hire
- Other: _____

9. How important is filtering candidates by qualifications or experience?

- Very important
- Somewhat important
- Neutral
- Not important
- Other: _____

10. How do you usually advertise job openings?

- Social media (LinkedIn, Facebook, etc.)
- Company website
- Recruitment agencies
- Word of mouth
- Other: _____

Submit

Clear form

Figure 2.2.3 Questionnaire 8-10

2.2.2 Interview

Interview question made for Job Seekers and Employers.

1. Can you describe your last experience using a job portal?
2. What are the main challenges you face when applying for jobs?
3. How do you usually customize your search for job opportunities (location, salary, category)?
4. What feature do you wish job portals to make you search easier?
5. How do you usually decide which jobs to apply for? What factors influence your decisions?
6. Can you describe your ideal candidate and how you search for them on job portals?
7. How do you usually filter through a large number of applications?
8. Do you often use multiple platforms to post jobs, or do you prefer sticking to one? Why?
9. How do you approach rejecting candidates? Would automated tools for this be helpful, or do you prefer a more personalized process?
10. What specific information in candidate profiles is most critical for you during the initial screening?

2.3 Functional Requirements

Register/Login Page

1. **User Registration:** The system must allow new users to register by providing details such as email, password, and other required information.
2. **User Login:** The system must allow registered users to log in using their email and password.
3. **Invalid Login Handling:** The system must display error messages for incorrect login attempts, such as wrong password or unregistered email.
4. **Authentication:** Users must be authenticated (logged in) to access specific features like applying for jobs or saving jobs.

Home Page (Search & Filter Functions)

5. **Search Job by Name or Company:** The system must allow users to search for jobs by job title or company name.
6. **Filter Jobs by Location, Category, and Job Type:** The system must allow users to filter job listings by location, category, and job type.
7. **Display Search/Filter Results:** The system must display job listings that match the user's search criteria and filters.

Job Listing Page

8. **View Job Listings:** The system must allow users to view job listings from the search results.
9. **Navigate to Job Info Page:** The system must direct users to the job info page when they click on a job listing.

Job Info Page

10. **Display Job Details:** The system must show job description, job name, requirements, employer name, employer location, and other relevant information.
11. **Save Job:** The system must allow users to save jobs to their activity page (MyActivityJobSeeker) after logging in.
12. **Redirect User to Employer page:** The system must allow users to redirect to employer page to view employers information.
13. **Apply for Job:** The system must allow logged-in users to apply for jobs.

14. **Redirect to Login for Applying Without Logging In:** If a user who is not logged in tries to apply for or save a job, the system must display the message "Please login to apply or save jobs" and prevent the action.

Employer Page

14. **View Employer Details:** The system must allow users to view employer details (e.g., employer name, location, email, phone number, about the company) when they navigate to the employer page.
15. **View Open Positions:** The system must display a list of open job positions posted by the employer.
16. **Navigate to Job Listings from Employer Page:** The system must allow users to navigate back to job listings via the "Learn More" link.

Job Seeker Profile & Activity

17. **Update/Create Job Seeker Profile:** The system must allow job seekers to update or create their profiles.
18. **View Saved Jobs:** The system must allow users to view jobs they have saved in their profile's "Activity" section.
19. **View Application History:** The system must allow users to view the history of job applications they have submitted, including filtering by status (accepted/rejected), job name, category, job type, and location.

Employer Functionality

20. **Employer Registration/Login:** Employers must be able to register and log in to the system.
21. **Update/Create Employer Profile:** The system must allow employers to update or create their profiles.
22. **Employer Dashboard:** the system must allow employers to track job views and applications.
23. **Post Jobs:** The system must allow employers to post job listings with relevant details (job name, description, requirements, etc.).
24. **View Posted Jobs:** The system must allow employers to view the jobs they have posted. As well as edit, view the posted job and remove the job (by making it unavailable and will not be shown after that).
25. **View Job Seeker Applications:** The system must allow employers to view applications from job seekers and either accept or reject them. A search function is included to ease the employers viewing application process.
26. **Application Status Update:** The system must allow employers to update the application status to accepted or rejected.
27. **View Application History:** The system must allow employers to view the history of applications received, including filtering by status, job name, category, and location.

2.4 Use Cases



Figure 2.3 use cases

CHAPTER 3 SYSTEM DESIGN

3.1 Data Design

3.1.1 Entity Relationship Diagram (ERD)

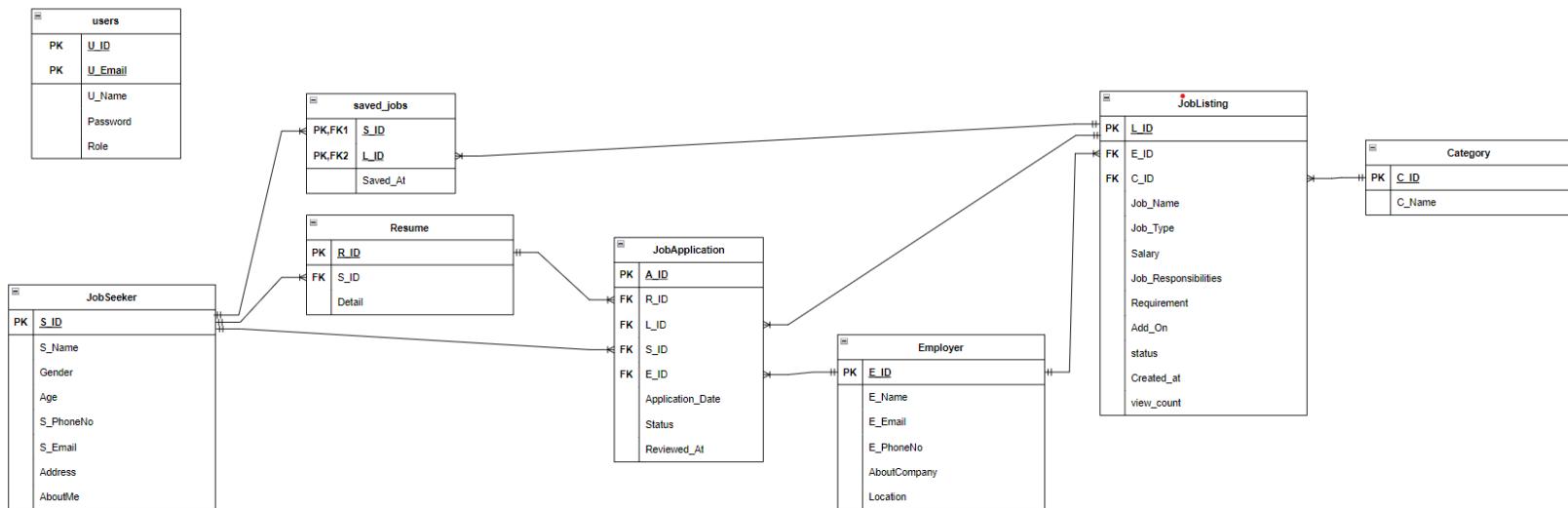


Figure 2.4 ERD

3.1.2 Data Dictionary

Table Name	Attribute Name	Contents	Type	Format	Range	Required	PK/FK	FK Referenced Table
users	U_ID	User ID	INT	INT (11)	1 to 2147483647	Y	PK	-
	U_Email	User Email	VARCHAR	VARCHAR (100)		Y	-	-
	U_Name	User Name	VARCHAR	VARCHAR (100)		Y	-	-
	Password	User Password for Sign In	VARCHAR	VARCHAR (255)		Y	-	-
	Role	To identify the user is Job Seeker or Employer	ENUM	Enum ('job seeker', 'employer')		Y	-	-
<hr/>								
job_seeker	S_ID	Job Seeker ID	INT	INT (11)	1 to 2147483647	Y	PK	-
	S_Name	Job Seeker	VARCHAR	VARCHAR (100)		Y	-	-

		Name						
Gender	The classification of individuals based on their gender identity.	CHAR	CHAR (1)	'M', 'F'	Y	-	-	
Age	Job Seeker age	INT	INT (11)	1 to 2147483647	Y	-	-	
S_PhoneNo	Job Seeker phone number	VARCHAR	VARCHAR (11)		Y	-	-	
S_Email	Job Seeker email	VARCHAR	VARCHAR (256)		Y	-	-	
Address	Job Seeker residential address	VARCHAR	VARCHAR(256)		Y	-	-	
AboutMe	Self-introduction about Job Seeker	TEXT	N/A		-	-	-	
employer	E_ID	Employer ID	INT	INT (11)	1 to 2147483647	Y	PK	-

	E_Name	Employer name	VARCHAR	VARCHAR (100)		Y	-	-
	E_Email	Employer email	VARCHAR	VARCHAR (256)		Y	-	-
	E_PhoneNo	Email phone number	VARCHAR	VARCHAR (11)		Y	-	-
	About_Comp any	Introduction of the company employer	TEXT	N/A		-	-	-
	Location	Location of the company	VARCHAR	VARCHAR (256)		Y	-	-
category	C_ID	Category ID	INT	INT (11)	1 to 2147483647	Y	PK	-
	C_Name	Category Name	VARCHAR	VARCHAR (100)		Y	-	-
resume	R_ID	Resume ID	INT	INT (11)	1 to 2147483647	Y	PK	-
	S_ID	Job Seeker ID	INT	INT (11)	1 to 2147483647	Y	FK	job_seeker

	Detail	The detail of the Job Seeker	TEXT	N/A		Y	-	-
job_listing	L_ID	Job Listing ID	INT	INT (11)	1 to 2147483647	Y	PK	-
	E_ID	Employer ID	INT	INT (11)	1 to 2147483647	Y	FK	employer
	C_ID	Category ID	INT	INT (11)	1 to 2147483647	Y	FK	category
	Job_Name	Job name created by employer	VARCHAR	VARCHAR (100)		Y	-	-
	Job_Type	Job type (Full Time / Part Time)	TEXT	N/A		Y	-	-
	Salary	Salary for the job	TEXT	N/A		-	-	-
	Job_Responsibilities	The responsibilities of the job	TEXT	N/A		-	-	-

	Requirement	The requirement for a job seeker need for the job	TEXT	N/A		-	-	-
	Add_On	Any add on for the job of the company	TEXT	N/A		-	-	-
	status	Status for the job listing	ENUM	Enum ('available', 'unavailable')		Y	-	-
	Create_at	The time that the employer created the job listing	timestamp	DD-MM-YYYY		-	-	-
	view_count	The times that the job seeker view the job listing	INT	INT (11)	0 to 2147483647	-	-	-
<hr/>								
saved_jobs	S_ID	Job Seeker ID	INT	INT (11)	1 to 2147483647	Y	PK/FK	job_seeker
	L_ID	Job Listing ID	INT	INT (11)	1 to 2147483647	Y	PK/FK	job_listing

	Saved_At	The time that job seeker save the job	timestamp	DD-MM-YYYY		-	-	-
job_application	A_ID	Job Application ID	INT	INT (11)	1 to 2147483647	Y	PK	-
	S_ID	Job Seeker ID	INT	INT (11)	1 to 2147483647	Y	FK	job_seeker
	L_ID	Job Listing ID	INT	INT (11)	1 to 2147483647	Y	FK	job_listing
	R_ID	Resume ID	INT	INT (11)	1 to 2147483647	Y	FK	resume
	E_ID	Employer ID	INT	INT (11)	1 to 2147483647	Y	FK	employer
	Appliaction_Date	The data that the job seeker apply the job	DATE	DD-MM-YYYY		Y	-	-

	Status	The status for the job seeker about the job by the employer	ENUM	Enum ('accepted', 'rejected', 'pending')		Y	-	-
	Reviewed_At	The date that the employer reviewed the application	timestamp	DD-MM-YYYY		-	-	-

3.2 User Interface Design

3.2.1 Homepage

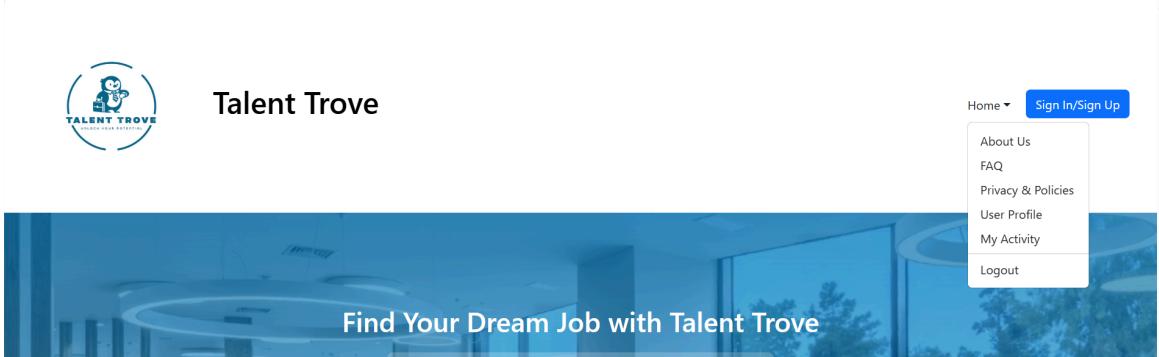


Figure 3.0.1 Header For Homepage

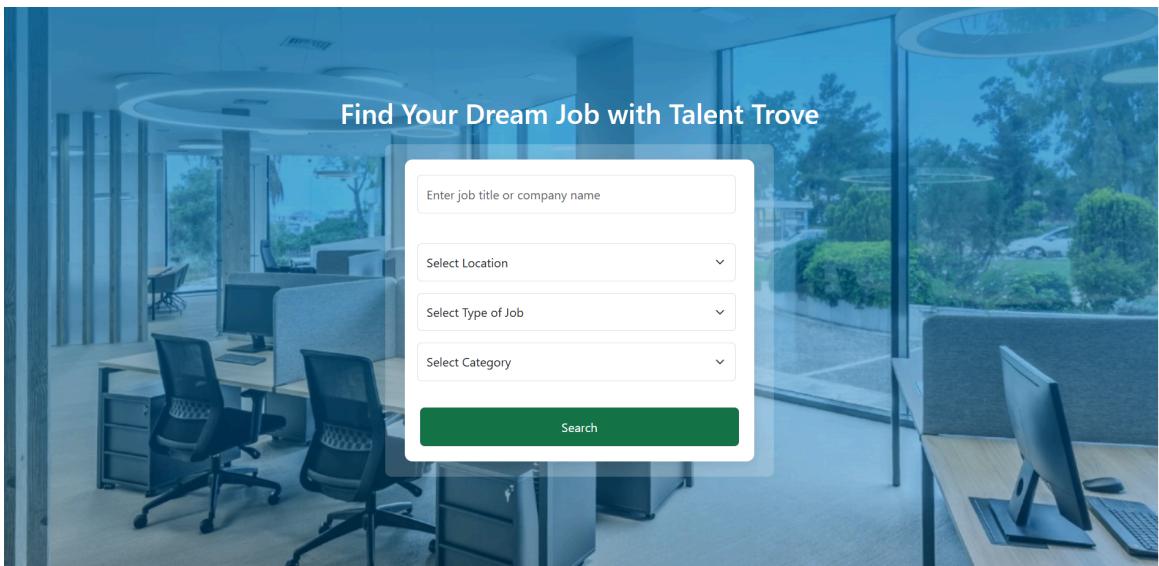


Figure 3.0.2 Homepage

This is the homepage (index.php) . In this page users can search for job listings as the main feature here. Other than that, The dropdown navigation menu displays FAQ, Privacy & Policies , User Profile, My Activity, and logout will redirect the user back to the homepage page by pressing you will be redirected to their respective pages. Lastly, the Talent Trove once pressed will lead user back to homepage.

3.2.2 Sign up/Sign in

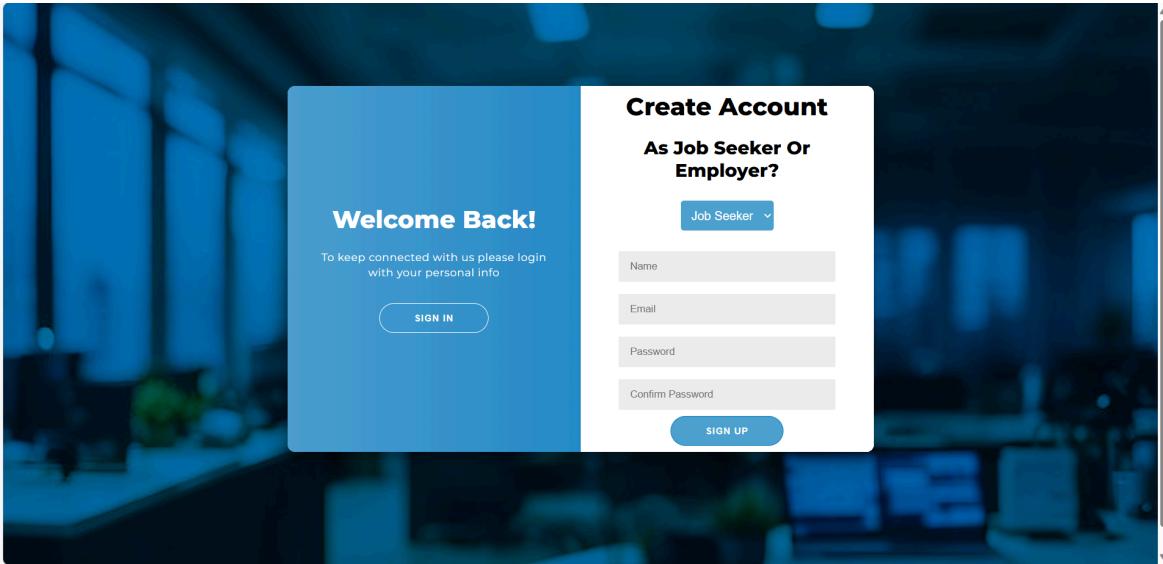


Figure 3.1.1 Sign up/Sign in page sign up side

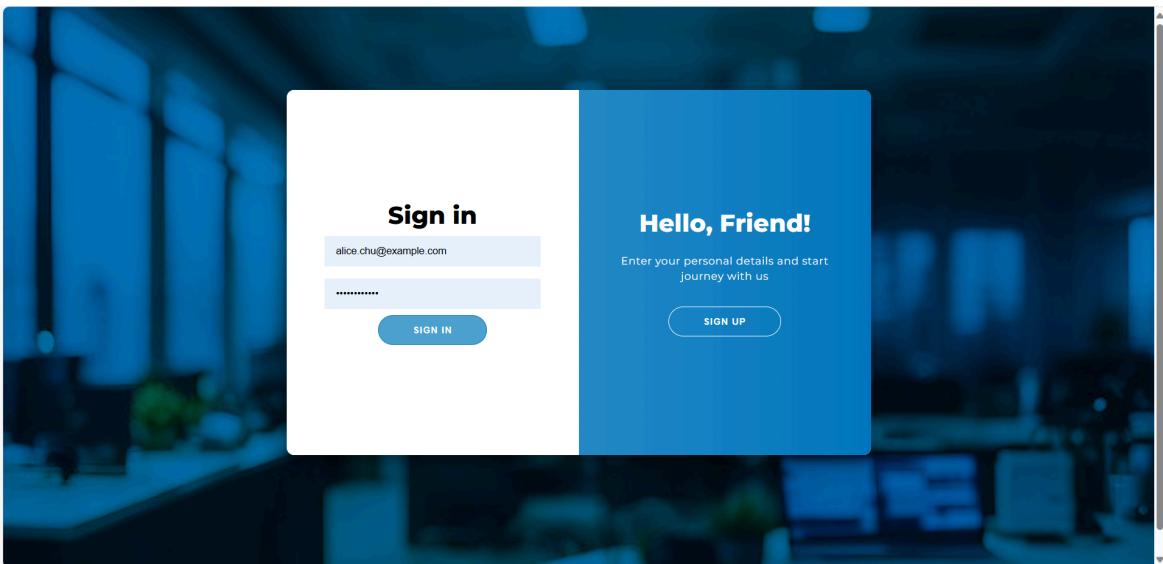


Figure 3.1.2 Sign up/Sign in page Sign in side

This is the Sign up/Sign in page where users are able to create an account by signing up as either job seeker or employer based on figure 3.1.1. The sign in is where users are able to sign in to their respective accounts based on figure 3.1.2. If a user signs into a job seeker account the user is redirected to the Homepage (index.php) based on figure 3.0 and if user signs into an employer account the user is redirected to the Employer Dashboard page (EmployerActivity.php).



Talent Trove

Home ▾ [Sign In/Sign Up](#)

☰ MENU

Job Seeker Profile

Employers can view this profile when a job seeker applies for a job.

First Name
vincent

Last Name
chu

Figure 3.2.1 Job Seeker Profile

Last Name
chu

Age
20

Gender
Male

Email
vincent.chu@example.com

Phone Number
01151539608

Address
beverly hills phase 2 block J3-3

About Me
i am hardworking

Resume Details
i am working hard no

Figure 3.2.2 Job Seeker Profile

Resume Details
i am working hard no

Save Changes

Figure 3.2.3 Job Seeker Profile

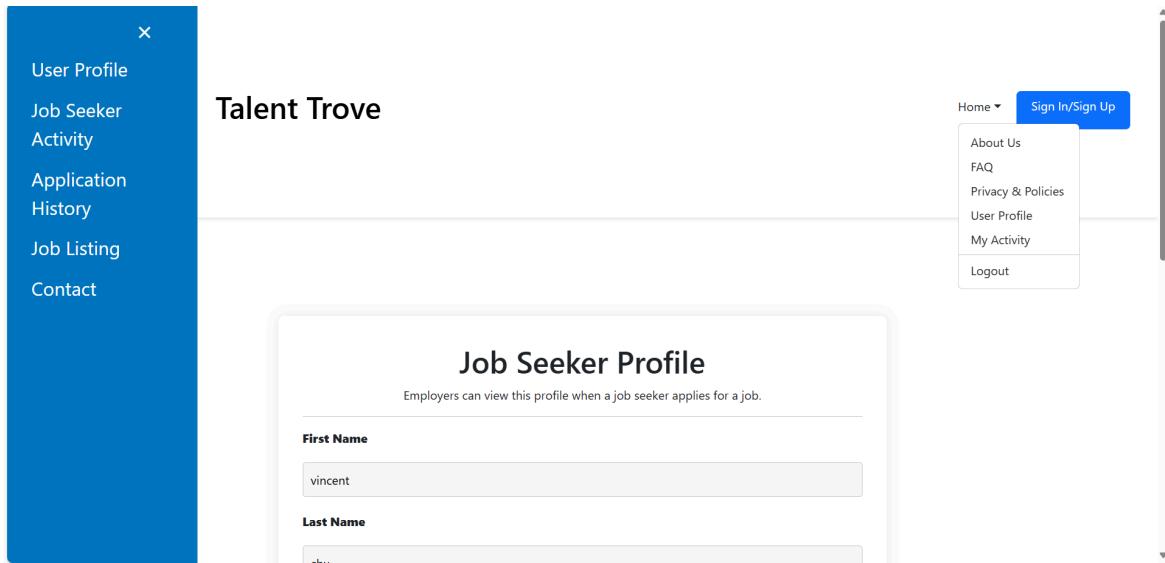


Figure 3.2.4 Job Seeker Profile (navigations)

This is the Job Seeker Profile page (`userProfile.php`) where Job seekers need to create their profile first before being able to apply for a job once the profile is created successfully. If the job seeker needs to change any information written here the user is able to change everything once you press save changes except the email used is not able to change. Based on figure 3.2.4 is to show the side navigation and the header navigation drop down menu.

3.2.3 Job Seeker Activity

The screenshot shows the Talent Trove job seeker activity page. At the top, there is a logo with a blue owl icon and the text "TALENT TROVE". Below the logo, the word "Talent Trove" is displayed in a large, bold, black font. On the right side of the header, there are links for "Home" and "Sign In/Sign Up". Under the header, there is a "MENU" button with three horizontal lines. The main content area is titled "My Activity". Below this, there are two tabs: "Bookmark" (which is selected) and "Applications". A blue box highlights a section titled "Writing Content". Inside this box, it says "Employer: alice chu", "Type: full_time", and "Salary: 1000 - 1500". At the bottom of this section is a blue "View Details" button. The rest of the page is mostly blank.

Figure 3.3.1 Job Seeker Activity page (Bookmark)

The screenshot shows the Talent Trove job seeker activity page with the "Applications" tab selected. At the top, there is a logo with a blue owl icon and the text "TALENT TROVE". Below the logo, the word "Talent Trove" is displayed in a large, bold, black font. On the right side of the header, there are links for "Home" and "Sign In/Sign Up". Under the header, there is a "MENU" button with three horizontal lines. The main content area is titled "My Activity". Below this, there are two tabs: "Bookmark" (which is unselected) and "Applications" (which is selected). A blue box highlights a section titled "cust service IT". Inside this box, it says "Status: accepted" and "Application Date: 2024-09-30". At the bottom of this section is a blue "Read" button. Below this section, another box is partially visible with the title "Youtube" and the status "Status: accepted".

Figure 3.3.2 Job Seeker Activity page (Applications)

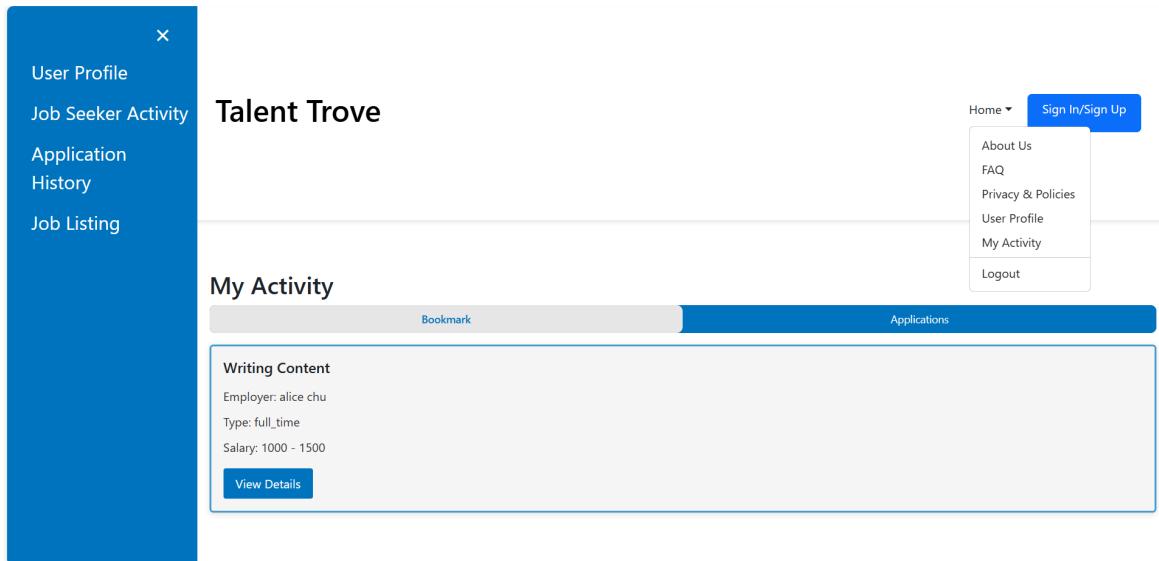


Figure 3.3.3 Job Seeker Activity page (navigations)

In this Job Seeker Activity page (MyActivityJobSeeker.php) the user signed up as a job seeker is able to view their current activities based on figure 3.3.1 the user is currently viewing their bookmarked jobs meaning the jobs that they saved with the button “View Details” once pressed it leads the user to the Job Info page (job_info.php) where the information about the job is shown. In figure 3.3.2 the user is able to view their applications status to know whether they have been rejected, accepted, pending. Once the user presses the button “Read” the application will be removed from the activity page. Based on the figure 3.3.3 is to show the navigations each leading to their respective pages.

3.2.4 Job Seeker Application History

The screenshot shows the Talent Trove application history interface. At the top, there is a logo with a blue owl icon and the text "TALENT TROVE". Below the logo, the word "Talent Trove" is displayed in a bold, black font. On the right side of the header, there are "Home" and "Sign In/Sign Up" buttons. Underneath the header, a "MENU" button is visible. A search bar is present, containing fields for "Job Name", "Location", "Job Type" (set to "All"), and "Category" (set to "All"), along with a "Search" button. Below the search bar, a horizontal bar indicates the status of the applications: "Accepted" (gray) and "Rejected" (blue). A single application card is shown, titled "cust service IT", with the date applied listed as "Date Applied: 2024-09-30". A "View Job Info" button is located at the bottom of this card.

Figure 3.4.1 Job seeker application history

This screenshot displays the Talent Trove application history page, specifically focusing on accepted applications. The interface is identical to Figure 3.4.1, featuring the same header, search bar, and status indicators. Three application cards are visible, each representing an accepted position:

- cust service IT**: Date Applied: 2024-09-30. Includes a "View Job Info" button.
- Youtube**: Date Applied: 2024-09-30. Includes a "View Job Info" button.
- Writing Content**: Date Applied: 2024-09-30. Includes a "View Job Info" button.

Figure 3.4.2 Job seeker application history (accepted)

The screenshot shows a web interface for job seekers. At the top left is a 'MENU' button. Below it is a search bar with fields for 'Job Name', 'Location', 'Job Type' (set to 'All'), and 'Category' (set to 'All'), followed by a 'Search' button. A horizontal bar indicates the status of applications: 'Accepted' (blue background) and 'Rejected' (grey background). Below this, two rejected job applications are listed:

- Youtube**
Date Applied: 2024-09-30
[View Job Info](#)
- cust service IT**
Date Applied: 2024-09-30
[View Job Info](#)

Figure 3.4.3 Job seeker application history (rejected)

This screenshot shows the same application history page as Figure 3.4.3, but with a vertical navigation menu on the left and a different header. The navigation menu includes 'User Profile', 'Job Seeker Activity', 'Application History' (which is currently selected), and 'Job Listing'. The header features the 'Talent Trove' logo, a 'Sign In/Sign Up' button, and a 'Logout' link. The rest of the interface is identical to Figure 3.4.3.

Figure 3.4.4 Job seeker application history (navigations)

This is the Job Seeker Application History page where job seekers can view all their applications with the search function provided to search accepted or rejected jobs easily based on figure 3.4.1. In figure 3.4.2 the job seeker can see their accepted applications sent meaning the employer has accepted their application and in figure 3.4.3 the job seeker can view their rejected applications. The Button “View Job Info” once pressed will redirect the user to the job info of the job that user applied to. Figure 3.4.4 shows the navigations leading to their respective pages once pressed.

3.2.5 Job Listing

The screenshot shows the Talent Trove job listing page. At the top left is the Talent Trove logo with the tagline "OPEN YOUR POTENTIAL". To its right is the site name "Talent Trove". On the far right, there is a "Sign In/Sign Up" button and a dropdown menu with options: Home, About Us, FAQ, Privacy & Policies, User Profile, My Activity, and Logout. Below the header, a large blue button labeled "Browse Available Jobs" is visible. Underneath it, there are two job listings in separate boxes. The first job listing is for a "Business Consultant" at "Tech Innovations Sdn Bhd" in "Kuala Lumpur". It specifies "Category: Consulting", "Job Type: Full Time", and "Salary: 5000-6000". The second job listing is for a "Content Writer" at "Green Energy Solutions Sdn Bhd". Both boxes include a timestamp: "Posted: 3 days 12 hours 23 minutes 45 seconds ago".

Figure 3.5.1 Job Listing

This is the Job Listing page (job_listing.php) where users can view and browse available jobs that are posted based on figure 3.5.1. The box is interactive once pressed will lead to the job info of that specific job. There is also a dropdown menu once pressed will redirect user to the respective page.

3.2.6 Job Info

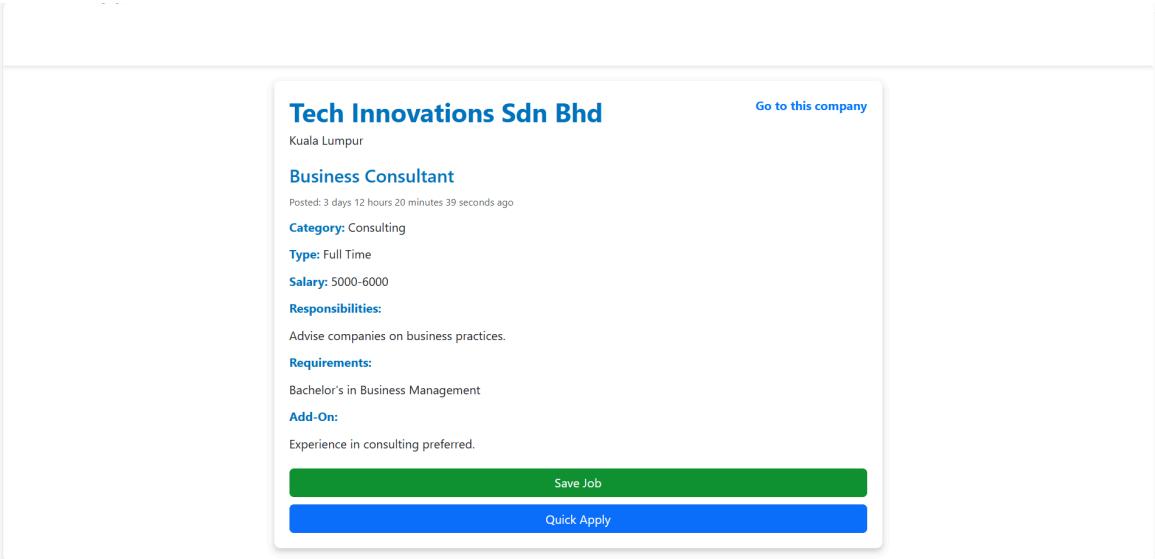


Figure 3.6.1 Job Info

This is the Job Info page (job_info.php) where the user is able to view the jobs information. There are 2 buttons one is save job (save_job.php) once pressed will lead show an alert pop up then redirect user to Job Seeker Activity page. The other button is “Quick Apply”(apply.php) once pressed will appear a pop up message then it will redirect the user to the Job Seeker Activity page. On the top right corner is a link once pressed will redirect the user to the employer page.

3.2.7 Employer Info

The screenshot shows a web page for 'Tech Innovations Sdn Bhd'. At the top, the company name is displayed in blue text. Below it, there is contact information: Email (contact@techinnovations.my), Phone (012-3456789), and Location (Kuala Lumpur). A section titled 'About Company' describes the company as a leading company in technology solutions. Below this, a button labeled 'Open Positions' is visible. A blue callout box highlights a job listing for 'Business Consultant' with requirements: Full Time and Bachelor's in Business Management. There is also a 'LEARN MORE -->' link.

Figure 3.7 Employer Info

This is the Employer Info page (employer.php) where the employer who posted the job information is shown on the top and the open positions meaning the posted jobs that this employer posted.

3.2.8 About us

The screenshot shows the 'About us' page of the Talent Trove website. The title 'About Talent Trove' is at the top. Below it is a paragraph of text. Underneath is a section titled 'Our Mission' with a paragraph of text. Following that is a section titled 'What We Offer' with two bullet points. Below that is a section titled 'Why Choose Us?' with a paragraph of text. At the bottom is a blue button labeled 'Join us and unlock your potential with Talent Trove!'. The page has a light gray background with a white main content area.

Figure 3.8 About us

This is the About us page (about_us.php) where it will tell users about Talent Trove.

3.2.9 FAQ

The screenshot shows the Frequently Asked Questions (FAQ) page of the Talent Trove website. At the top left is the Talent Trove logo. To its right is the text 'Talent Trove'. Further right are 'Home ▾' and a 'Sign In/Sign Up' button. Below this is a large white box containing the heading 'Frequently Asked Questions' in blue. Underneath are four numbered questions: 1. How do I create an account?, 2. How do I apply for jobs?, 3. How do employers post jobs?, and 4. Is my data secure?. Each question has a corresponding answer below it. The page has a light gray background with a white main content area.

Figure 3.9 Frequently asked questions (FAQ)

This is the FAQ page (faq.php) where users can see a question and answer about the most frequently asked questions on this platform.

3.2.10 Privacy & Policies

The screenshot shows the Talent Trove website's privacy policy page. At the top, there is a logo with a blue owl icon and the text "TALENT TROVE". To the right of the logo is the word "Talent Trove". On the far right, there are links for "Home" and "Sign In/Sign Up". Below the header, a large white box contains the title "Privacy & Policies" in blue. Underneath the title, there is a paragraph of text: "Your privacy is important to us. Talent Trove ensures that your personal data is protected and will not be shared with third parties without your consent. We collect personal information like email addresses, resumes, and profile data to facilitate job searches and applications. By using Talent Trove, you agree to our privacy policies and terms of service." At the bottom of the box, there is another section titled "Data Security" with a brief description: "We use secure encryption methods to protect your personal information and ensure that our platform complies with data protection regulations."

Figure 3.10 Privacy & Policies

This is the Privacy & Policies (pp.php) page where users can check the privacy and policies set for Talent Trove.

3.2.11 Employer Dashboard

The screenshot shows the Talent Trove employer dashboard. At the top, there is a logo with a blue owl icon and the text "TALENT TROVE". To the right of the logo is the word "Talent Trove". On the far right, there are links for "Home" and "Sign In/Sign Up". Below the header, there is a "MENU" button. The main area is titled "Employer Dashboard". Below the title, there is a table with four columns: "Job Name", "Views", "Applications", and "Action". The table contains the following data:

Job Name	Views	Applications	Action
twitch	1	1	<button>View</button>
Youtube	7	3	<button>View</button>
cust service IT	3	2	<button>View</button>
Writing Content	0	0	<button>View</button>

Figure 3.1.1 Employer Dashboard (track views and application table)

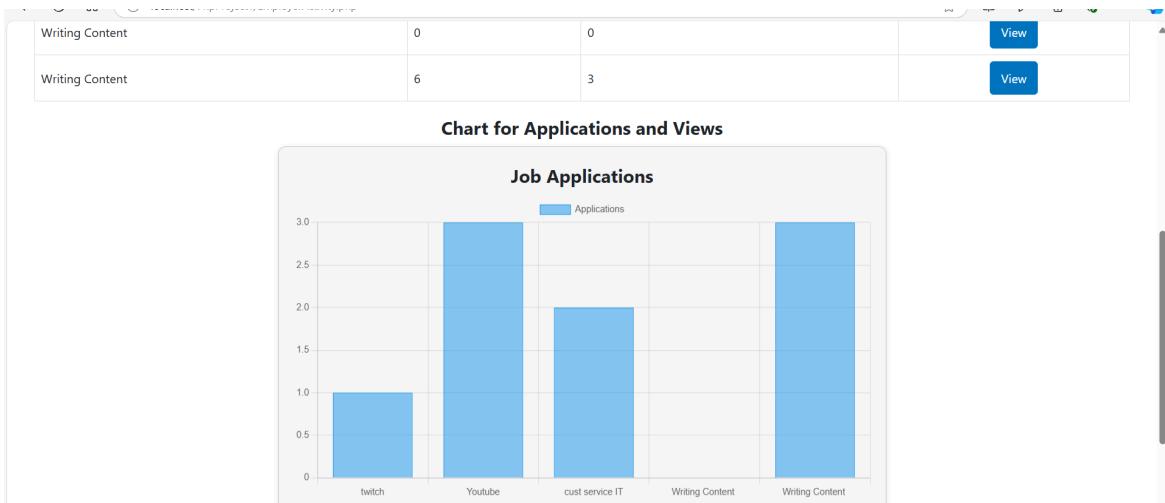


Figure 3.11.2 Employer Dashboard (track job applications with chart)

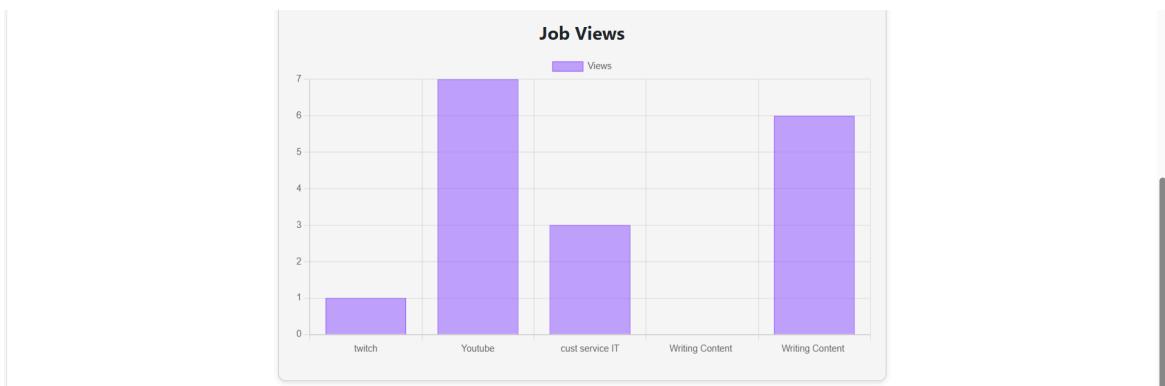


Figure 3.11.3 Employer Dashboard (track views with chart)

The screenshot shows the Employer Dashboard page titled "Employer Dashboard". On the left, there is a vertical sidebar with a blue header containing the text "Employer DashBoard" and a list of navigation items: "Employer Profile", "Post A Job", "Jobs Posted", "Application History", and "View Application". The main content area has a title "Talent Trove" and a sub-section "Employer Dashboard". Below this is a table with four rows, each representing a job listing. The columns are "Job Name", "Views", "Applications", and "Action". The data in the table is as follows:

Job Name	Views	Applications	Action
twitch	1	1	View
Youtube	7	3	View
cust service IT	3	2	View
Writing Content	0	0	View

At the top right of the main content area, there is a dropdown menu with options: "Home", "Sign In/Sign Up", "About Us", "FAQ", "Privacy & Policies", "Job Listing", and "Logout".

Figure 3.11.4 Employer Dashboard (navigations)

This is the Employer Dashboard page (EmployerActivity.php) where employers are able to track their performance. The employer will know how many seekers applied and viewed their job by looking at the table and the chart. The “View” button once pressed will redirect the employer to the job info of that specific job. Based on figure 3.14 is the side navigation and the drop down navigation at the top right that once pressed will redirect employers.

3.2.12 Employer Profile

The screenshot shows a web-based employer profile form titled "Employer Profile". The form includes fields for Company Name (alice chu), Email (alice.chu@example.com), Phone Number (01151539609), About Company (work), and Location (beverly phase 2). A blue "Save Changes" button is at the bottom.

Employer Profile	
Company Name	alice chu
Email	alice.chu@example.com
Phone Number	01151539609
About Company	work
Location	beverly phase 2
Save Changes	

Figure 3.12 Employer Profile

This is the employers profile page (employerProfile.php) where the employer is prompted to create their profile. If not created the employers are unable to post a job. The information can be changed at any time once you press “Save Changes” except for email.

3.2.13 Post A Job

The screenshot shows a web page titled "Post A Job" with the subtitle "Post a job and be detailed in every aspect." The form includes fields for Name, Job Category (Administration), Job Type (Full Time), Salary (Min and Max), and Job Responsibilities.

Post A Job	
Post a job and be detailed in every aspect.	
Name	<input type="text"/>
Job Category:	<input type="text" value="Administration"/>
Job Type	<input type="text" value="Full Time"/>
Salary	<input type="text" value="Min"/> <input type="text" value="Max"/>
Job Responsibilities:	<input type="text"/>

Figure 3.13.1 Post a job

The screenshot shows a more detailed version of the "Post A Job" page. It includes fields for Job Type (Full Time), Salary (Min and Max), Job Responsibilities, Requirement, Additional Details, and a prominent blue "Post Job" button.

Post A Job	
<input type="text" value="Full Time"/>	
Salary	<input type="text" value="Min"/> <input type="text" value="Max"/>
Job Responsibilities:	<input type="text"/>
Requirement:	<input type="text"/>
Additional Details:	<input type="text"/>
Post Job	

Figure 3.13.2 Post a job

This is the Post A Job page (postJob.php) where employers that have successfully created their employer profile are able to post a job by filling in the information the more detailed the better making job seekers more inclined to apply compared to ones with little to no information shared.

3.2.14 Posted Jobs

The screenshot shows the 'Jobs Posted' section of the Talent Trove website. It displays two job entries:

- Title:** twitch
Type: full_time
Category: Administration
Salary: 1000 - 1200
Posted: 27 Sep 2024
- Title:** Youtube
Type: full_time

For each job entry, there are three buttons: 'View', 'Edit', and 'Remove'.

Figure 3.14.1 view posted jobs

The screenshot shows the 'View Posted Jobs' page for the job titled 'twitch'. The job details are as follows:

Employer:	alice chu
Category:	Administration
Job Type:	full_time
Salary:	1000 - 1200
Responsibilities:	work
Requirements:	work 1
Additional Information:	work 2

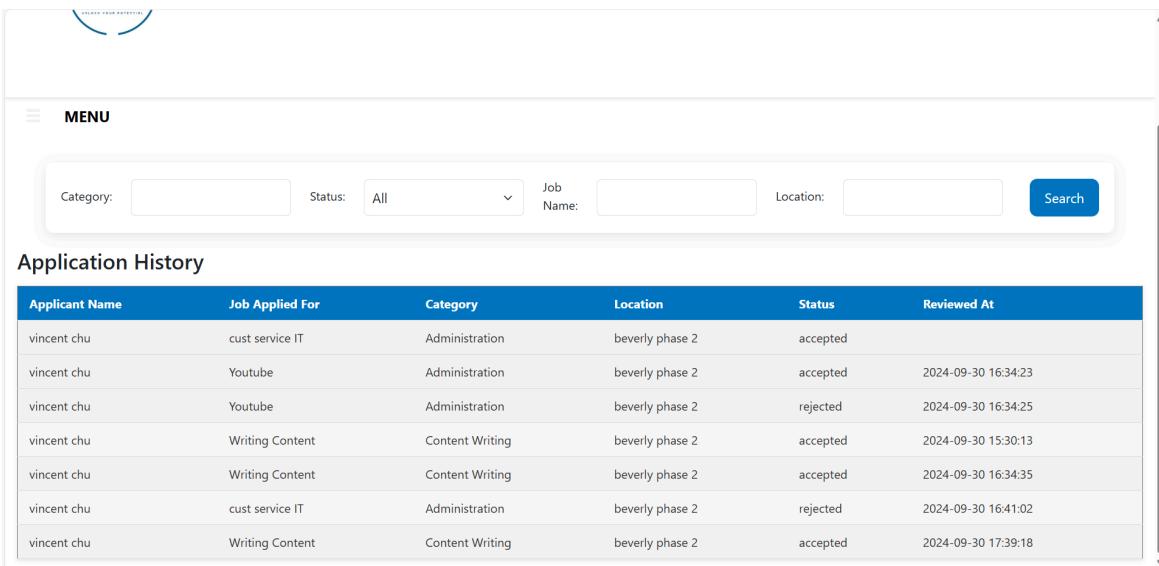
At the bottom of the page are two buttons: 'Back to Posted Jobs' and 'Go to Employer Activity'.

Figure 3.14.2 job info

This is the Posted Jobs page (JobsPosted.php) where employers are able to see the jobs they posted. The employer is able to press “View” button to view the posted jobs information based on figure 3.14.2 and in this page the employer is able to go back to

either the Posted Jobs page or the employer activity page/employer dashboard. Other than that, the employer is also able to edit the job posted by pressing the “Edit” button redirecting the employer to post a job where the previous information is there and user is able to edit however they like but the changes will only save if the user presses the “Post Job” button. The “Remove” button is to remove a job the employer does not want anymore it will update the status of that job to “unavailable” leading it to not be displayed anymore.

3.2.15 Posted Jobs



The screenshot shows a web application interface for employers. At the top, there is a logo with the text "HACK YOUR POTENTIAL". Below the logo is a navigation bar with a "MENU" button and a search bar containing fields for "Category", "Status" (set to "All"), "Job Name", "Location", and a "Search" button. The main content area is titled "Application History" and displays a table of applicant records. The table has columns: "Applicant Name", "Job Applied For", "Category", "Location", "Status", and "Reviewed At". The data in the table is as follows:

Applicant Name	Job Applied For	Category	Location	Status	Reviewed At
vincent chu	cust service IT	Administration	beverly phase 2	accepted	
vincent chu	Youtube	Administration	beverly phase 2	accepted	2024-09-30 16:34:23
vincent chu	Youtube	Administration	beverly phase 2	rejected	2024-09-30 16:34:25
vincent chu	Writing Content	Content Writing	beverly phase 2	accepted	2024-09-30 15:30:13
vincent chu	Writing Content	Content Writing	beverly phase 2	accepted	2024-09-30 16:34:35
vincent chu	cust service IT	Administration	beverly phase 2	rejected	2024-09-30 16:41:02
vincent chu	Writing Content	Content Writing	beverly phase 2	accepted	2024-09-30 17:39:18

Figure 3.15 Application History

This is the Application History page (`application_history.php`) for employers to view all the accepted and rejected applications. There is also a search button allowing employers to filter out their results.

3.2.16 View Application

The screenshot shows a web application interface for 'Talent Trove'. At the top left is the logo 'TALENT TROVE' with a small icon of a person. To the right are links for 'Home' and 'Sign In/Sign Up'. Below the header is a search bar with a 'Search' button. A 'MENU' button is on the far left. The main content area is titled 'Job Application Details'. It contains fields for 'Applicant Name' (with 'vincent chu' typed in) and 'Gender' (with 'M' typed in). The entire page has a light gray background.

Figure 3.16.1 View application with pending status

This screenshot shows the same 'Job Application Details' page as Figure 3.16.1, but with additional buttons at the bottom. The buttons are a green rectangle labeled 'accept' and a red rectangle labeled 'reject'. The rest of the page content (About Me, Resume, Application Date, Job Applied For) is identical to Figure 3.16.1.

Figure 3.16.2 View application with pending status

This is the application page (view_applications.php) where employers are able to view the applications sent by the job seeker to determine whether the employers want to accept or reject the applications. This will then send the information to the application history. There is also a search filter at the top allowing employers to filter out the applications based on job name.

CHAPTER 4 SYSTEM TESTING

4.1 Test Case

Table1: Register/Login Page: Successful Registration

Pre-conditions		Test Data		
1	The system is set up and running.	Email: Provide a valid email		
		Member Name : Provide a valid name		
		Password : Provide a valid password		
Test Case Name	Functionality of the Register/Login Page: Successful Registration	Test Case Description	Verify that the system correctly registers new users with valid input data (email, password, etc.).	
Steps	Step Details	Expected	Actual Results	Remarks
1	Open the web application in a browser.	The application should load without errors.	As expected	Passed
2	Click on "Sign up" at the homepage	Able to access registration page	As expected	Passed
3	Enter valid email, name, password and confirm password	Form should accept input without errors	As expected	Passed
4	Click "Register"	Confirmation message and account created, redirects to login page	As expected	Passed

Table2: Register/Login Page: Successful Login

Pre-conditions		Test Data		
1	The user is registered.	Email: Valid registered email		
		Password: Valid password		
Test Case Name	Functionality of the Register/Login Page: Successful Login	Test Case Description	Verify that the system allows users to log in with valid credentials.	
Steps	Step Details	Expected	Actual Results	Remarks
1	Open login page	The application should load without errors.	As expected	Passed
2	Enter valid credentials and click "Login"	User logged in and redirected to the home page	As expected	Passed

Table3: Register/Login Page: Invalid Login Attempt

Pre-conditions		Test Data		
1	The user is not registered, or credentials are incorrect..	Email: Invalid or unregistered email		
		Password: Incorrect password		
Test Case Name	Functionality of the Register/Login Page: Invalid Login	Test Case Description	Verify that the system prevents login with invalid credentials.	
Steps	Step Details	Expected	Actual Results	Remarks
1	Open login page	The application should load without errors.	As expected	Passed
2	Enter invalid credentials and click "Login"	Error message is displayed, and user is not logged in	As expected	Passed

Table4: Home Page: Search Job/Employer by Name

Pre-conditions		Test Data		
1	Jobs are posted in the database.	Job Name: Enter a valid job name		
2	Employers are posted in the database.	Employer Name: Enter a valid employer name		
Test Case Name	Functionality of the Home Page: Search Job/Employer by Name		Test Case Description	Verify that the search function displays jobs matching the entered name.
Steps	Step Details	Expected	Actual Results	Remarks
1	Enter job name in the search bar and click "Search"	Matching job listings are displayed	As expected	Passed
2	Enter employer name in the search bar and click "Search"	Matching job listings are displayed	As expected	Passed

Table5: Home Page: Filter Jobs by Location, Job Type and Category

Pre-conditions		Test Data		
1	Jobs are posted in the database.	Location: Select a location		
		Job Type: Select a job type		
		Category: Select a category		
Test Case Name	Functionality of the Home Page: Filter Jobs by Location, Job Type and Category	Test Case Description	Verify that the system filters jobs by location, job type, and category.	
Steps	Step Details	Expected	Actual Results	Remarks
1	Select filter options and click "Filter"	Jobs matching selected filters are displayed	As expected	Passed

Table6: Job Listing Page: Access Job Listing from Search Results

Pre-conditions		Test Data		
1	Jobs are listed.	N/A		
Test Case Name	Functionality of the Job Listing Page: Access Job Listing from Search Results	Test Case Description	Verify navigation to job info page from job listing.	
Steps	Step Details	Expected	Actual Results	Remarks
1	Click on a job from the search results	Job info page is displayed	As expected	Passed

Table7: Job Info Page: Save/Apply Job Without Logging In

Pre-conditions		Test Data		
1	User is not logged in.	N/A		
Test Case Name	Step Details	Expected	Actual Results	Remarks
1	Click "Save Job"/ "Apply Job"/ without being logged in	Message "Please login to apply or save jobs" is shown	As expected	Passed
2	User will be directed to login page when the "login" was click	User will be directed to login page	As expected	Passed

Table8: Job Info Page: Apply/Save Job (Job Seeker Logged In)

Pre-conditions		Test Data		
1	User is logged in.	N/A		
Test Case Name	Step Details	Expected	Actual Results	Remarks
1	Click "Save Job"/ "Apply Job"	Job is saved/applied, and user is redirected to the myActivityJobSeeker page	As expected	Passed

Table9: Employer Page: View Employer Details

Pre-conditions		Test Data		
1	Employer page exists.	N/A		
Test Case Name	Functionality of the Employer Page: View Employer Details	Test Case Description	Verify that employer details are displayed on the employer page.	
Steps	Step Details	Expected	Actual Results	Remarks
1	Click "Go to this Company" on the job info page	Employer details (name, location, email, phone number, etc.) are displayed	As expected	Passed

Table10: Employer Page: View Open Positions

Pre-conditions		Test Data		
1	Employers have posted open positions.	N/A		
Test Case Name	Functionality of the Employer Page: View Open Positions	Test Case Description	Verify that the list of open positions for the employer is displayed.	
Steps	Step Details	Expected	Actual Results	Remarks
1	Navigate to the employer page from the job info page	Open positions with links to job details are displayed	As expected	Passed

Table11: Employer Page: Navigate Back to Job Listing

Pre-conditions		Test Data		
1	Employer page is accessed from job info.	N/A		
Test Case Name	Functionality of the Employer Page: Navigate Back to Job Listing	Test Case Description	Verify that the user can navigate back to the job listing page.	
Steps	Step Details	Expected	Actual Results	Remarks
1	Click the "Learn More" link on the employer page	User is directed back to the job info page	As expected	Passed

Table12: Job Seeker Profile Page: Update Job Seeker Profile

Pre-conditions		Test Data		
1	User is logged in.	N/A		
Test Case Name	Step Details	Test Case Description	Actual Results	Remarks
1	Navigate to the job seeker "User Profile" page from the dropdown link "Home"	Page loads without errors	As expected	Passed
2	Update personal information and click "Save Changes"	Profile is updated successfully	As expected	Passed

Table13: Job Seeker Activity: View Saved Jobs and Applications

Pre-conditions		Test Data		
1	Job seeker is logged in.	N/A		
Test Case Name	Functionality of the Job Seeker Activity: View Saved Jobs and Applications	Test Case Description	Verify that the job seeker can view their saved jobs and the applications they have made after signing in.	
Steps	Step Details	Expected	Actual Results	Remarks
1	Navigate to the "myActivityJobSeeker" page (bookmarks & applications) from the dropdown link "Home"	Saved jobs and applications are displayed correctly	As expected	Passed
2	Scroll through the list of saved jobs	All jobs the user has saved are listed with links to job details	As expected	Passed
3	Scroll through the list of applications made	Applications (both pending, accepted, and rejected) are displayed	As expected	Passed
4	Click on any job in the saved jobs list	User is redirected to the job info page of the selected job	As expected	Passed

Table14: Job Seeker Application History: View Application History with Status Navigation and Job Info Action Button

Pre-conditions		Test Data		
1	Job seeker is logged in and has applied for jobs.	N/A		
Test Case Name	Functionality of the Job Seeker Activity: View Application History with Status Navigation and Job Info Action Button	Test Case Description	Verify that the application history displays accepted and rejected applications with an action button to view job info for each listing.	
Steps	Step Details	Expected	Actual Results	Remarks
1	Navigate to the "Applications History" page	Application history page is displayed with a navigation bar for "Accepted" and "Rejected" applications below the filter bar	As expected	Passed
2	Click on the "Accepted" navigation tab	The page displays only applications with the "Accepted" status, and the filter bar remains visible for further filtering	As expected	Passed
3	Click on the "Rejected" navigation tab	The page displays only applications with the "Rejected" status, and the filter bar remains visible for additional filtering	As expected	Passed
4	For each application listed, click the "View Job Info" action button	The user is directed to the job info page for the selected application, where job details such as name, description,	As expected	Passed

		requirements, etc., are displayed		
5	Use the filter bar to refine results by job name, category, job type, and location after selecting a status	The system filters applications based on selected status and additional criteria, and still shows the "View Job Info" action button for each result	As expected	Passed

Table15: Employer Profile Page: Update Employer Information

Pre-conditions		Test Data		
1	Employer is logged in.	Company Name, Phone Number, About Company, Location		
Test Case Name	Functionality of the Employer Profile Page: Update Employer Information	Test Case Description	Verify that the employer can update their profile details such as company name, phone number, about the company, and location.	
Steps	Step Details	Expected	Actual Results	Remarks
1	Navigate to the "Employer Profile" page	Employer profile form is displayed with fields for company details	As expected	Passed
2	Fill in the company name, phone number, about the company, and location	All fields are filled and validated correctly	As expected	Passed
3	Click the "Save Changes" button	Employer profile is updated and saved successfully	As expected	Passed

Table16: Employer Dashboard: View Job Statistics

Pre-conditions		Test Data		
1	Employer is logged in.	N/A		
Test Case Name	Step Details	Expected	Actual Results	Remarks
1	Navigate to the "Employer Dashboard" page	Dashboard is displayed with job name, views, applications, and action buttons "view"	As expected	Passed
2	View the job name, views by users, and number of applications made	Job statistics are correctly displayed in a table format	As expected	Passed
3	View the chart showing total views and applications for all jobs posted	Chart is displayed correctly with proper data visualization	As expected	Passed
4	Click on "View" button under Action	User is redirected to the "View Job" page for that job	As expected	Passed

Table17: Employer: Post a Job

Pre-conditions		Test Data		
1	Employer is logged in.	Job Details: Provide valid job data		
Test Case Name	Functionality of the Employer: Post a Job	Test Case Description	Verify that the employer can post a job successfully.	
Steps	Step Details	Expected	Actual Results	Remarks
1	Navigate to the "Post Job" page	Page loads without errors	As expected	Passed
2	Fill in job details and click "Post Job"	Job is posted successfully and appears in the employer's posted jobs list	As expected	Passed

Table18: Job Posted Page: Manage Posted Jobs

Pre-conditions		Test Data		
1	Employer is logged in.	N/A		
Test Case Name	Step Details	Expected	Actual Results	Remarks
1	Navigate to the "Job Posted" page	Jobs posted by the employer are displayed in a list	As expected	Passed
2	Click on a "View Job" button for any job	User is redirected to the job info page (view_job) for that specific job	As expected	Passed
3	Click on the "Edit" button for a job	User is redirected to the "Post Job" page with the job details prefilled for editing	As expected	Passed
4	Click on the "Remove" button for a job	The job status is changed to unavailable and is no longer shown on the job listing page	As expected	Passed

Table19: Employer: View Job Seeker Applications

Pre-conditions		Test Data		
1	Employers have posted jobs, and job seekers have applied.	N/A		
Test Case Name	Functionality of the Employer: View Job Seeker Applications	Test Case Description	Verify that the employer can view job seeker applications, accept/reject them and the list can be filtered by job name.	
Steps	Step Details	Expected	Actual Results	Remarks
1	Navigate to the view application page	Applications are displayed with options to accept/reject and filter by job name	As expected	Passed

Table20: Employer: View Application History

Pre-conditions		Test Data		
1	Employers have accepted/rejected job seeker applications.	N/A		
Test Case Name	Step Details	Test Case Description	Actual Results	Remarks
1	Navigate to the "Application History" page	History is displayed with filters (job name, category, location and status.)	As expected	Passed

4.2 Test Results

Table1: Register/Login Page: Successful Registration

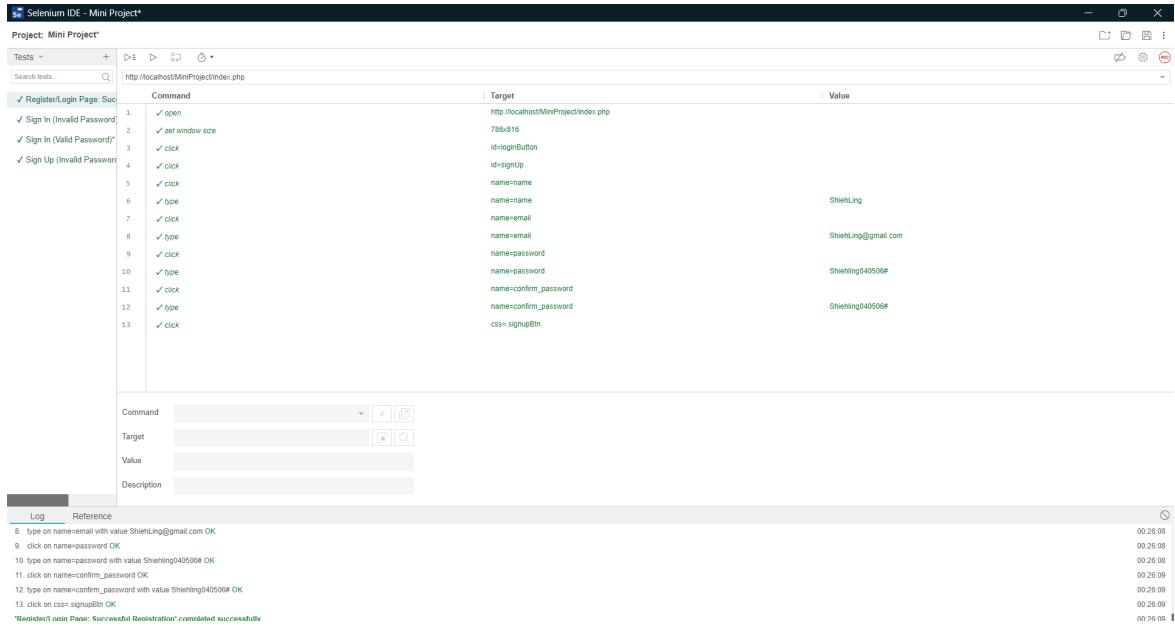


Figure 4.2.1 Register/Login Page: Successful Registration

Table2: Register/Login Page: Successful Login

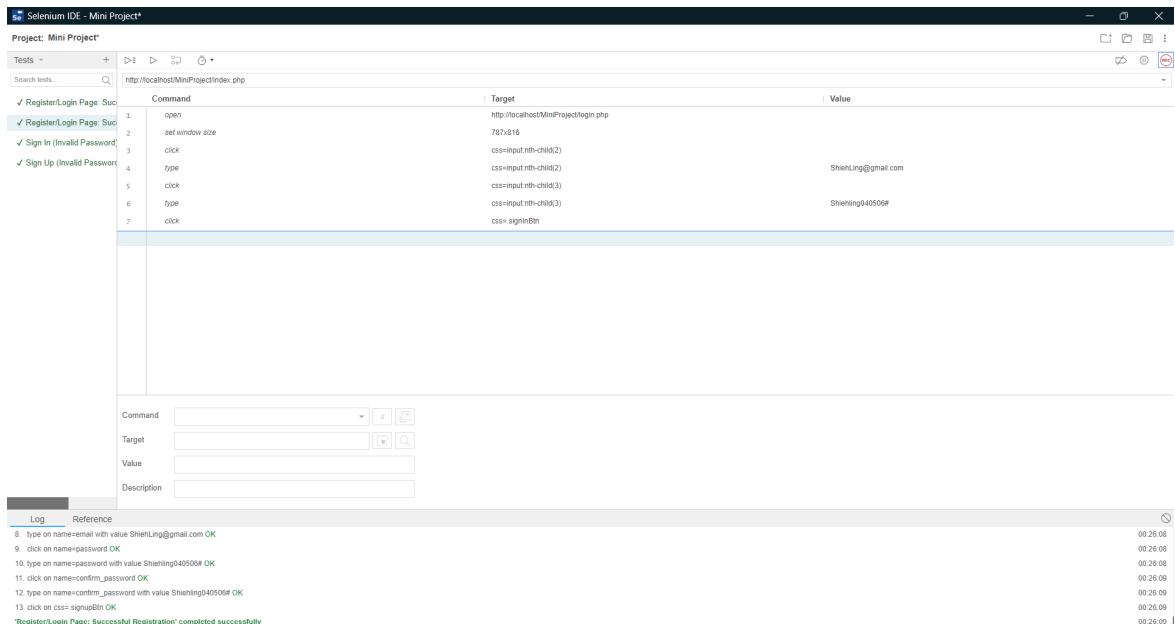


Figure 4.2.2 Register/Login Page: Successful Login

Table3: Register/Login Page: Invalid Login Attempt

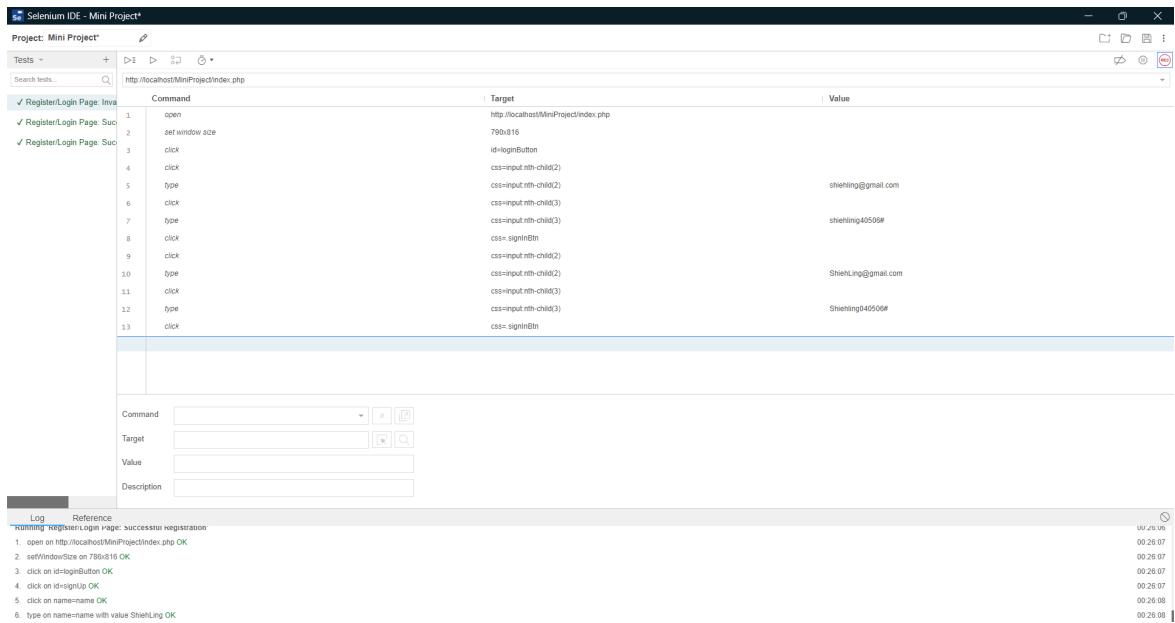


Figure 4.2.3 Register/Login Page: Invalid Login Attempt

Table4: Home Page: Search Job/Employer by Name

The screenshot shows the Selenium IDE interface with the following details:

- Project:** job portal*
- Executing:** ✓ Table4: Home Page: Search Job/Employer by Name
- URL:** http://localhost
- Test Case Data:**

Command	Target	Value
1 ✓ open	/MiniProject/index.php	
2 ✓ set window size	697x720	
3 ✓ click	id=job-search	
4 ✓ type	id=job-search	ALICE CHU
5 ✓ click	css=btn-success	
6 ✓ click	css=h1	
- Run Status:** Runs: 1 Failures: 0
- Log:**

```

4. type on id=job-search with value ALICE CHU OK
5. click on css= btn-success OK
6. click on css=h1 OK
7. click on id=job-search with value Administrative Assistant OK
8. type on id=job-search with value ALICE CHU OK
9. click on css= btn-success OK

```
- Reference:**

00:40:09
00:40:09
00:40:09
00:40:09
00:40:09
00:40:09
00:40:10

Figure 4.2.4 Home Page: Search Job/Employer by Name

Table5: Home Page: Filter Jobs by Location, Job Type and Category

The screenshot shows the Selenium IDE interface with the following details:

- Project:** job portal
- Test Case:** Table5: Home Page: Filter Jobs by Location, Job Type and Category
- Status:** Executing
- Log:**
 - 2. setWindowSize on 697x720 OK
 - 3. click on id=location OK
 - 4. select on id=location with value label=KK OK
 - 5. click on id=job_type OK
 - 6. select on id=job_type with value label=Full Time OK
 - 7. click on id=category OK
 - 8. select on id=category with value label=Administration OK
 - 9. click on css=btn-success OK
- Message:** 'Table5: Home Page: Filter Jobs by Location, Job Type and Category' completed successfully

Figure 4.2.5 Home Page: Filter Jobs by Location, Job Type and Category

Table6: Job Listing Page: Access Job Listing from Search Results

Selenium IDE - job portal*

Project: job portal*

Tests + D E G E ⌂ ⌂ REC

Search tests... http://localhost

✓ Table6: Job Listing Page:

Command	Target	Value
1 ✓ open	/MiniProject/index.php	
2 ✓ set window size	697x720	
3 ✓ click	css= btn-success	
4 ✓ click	css= job-link:nth-child(2) p:nth-child(5)	

Command Target Value

Description

Log Reference

Running 'Table6: Job Listing Page: Access Job Listing from Search Results'

1. open on /MiniProject/index.php OK 00:51:01
 2. setWindowSize on 697x720 OK 00:51:01
 3. click on css= btn-success OK 00:51:01
 4. click on css= job-link:nth-child(2) p:nth-child(5) OK 00:51:01
 'Table6: Job Listing Page: Access Job Listing from Search Results' completed successfully 00:51:02

Figure 4.2.6 Job Listing Page: Access Job Listing from Search Results

Table7: Job Info Page: Save/Apply Job Without Logging In

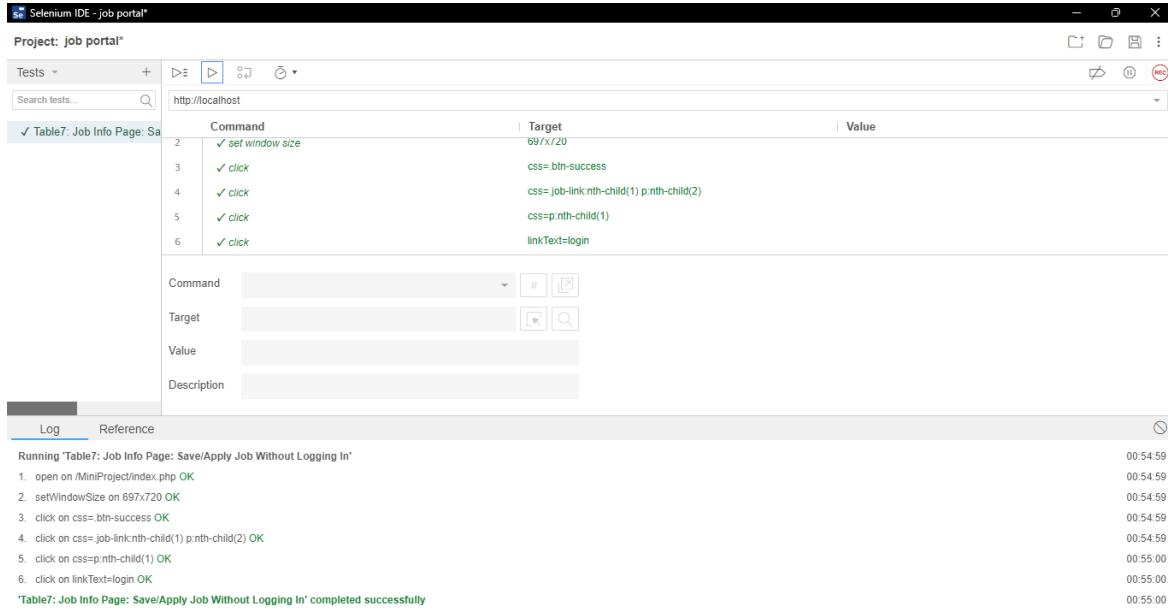


Figure 4.2.7 Job Info Page: Save/Apply Job Without Logging In

Table8: Job Info Page: Apply/Save Job (Job Seeker Logged In)

The screenshot shows the Selenium IDE interface with the following details:

- Title Bar:** Selenium IDE - job portal*
- Project:** job portal*
- Current Test:** ✓ Table8: Job Info Page: Ap
- URL:** http://localhost
- Test Log:**

Line	Command	Target	Value
18	✓ click	css=text	
19	✓ click	linkText=Job Listing	
20	✓ click	css=job-link:nth-child(1) p:nth-child(6)	
21	✓ choose ok on next confirmation		
22	✓ click	id=apply-btn	
- Run Status:** Runs: 1 Failures: 0
- Log Tab:**

```

16. webdriverChooseOkOnVisibleConfirmation OK
18. click on css=text OK
19. click on linkText=Job Listing OK
20. click on css=job-link:nth-child(1) p:nth-child(6) OK
21. chooseOkOnNextConfirmation OK
22. click on id=apply-btn OK
24. webdriverChooseOkOnVisibleConfirmation OK
'Table8: Job Info Page: Apply/Save Job (Job Seeker Logged In)' completed successfully
    
```
- Reference Tab:** Shows the execution times for each step.

Figure 4.2.8 Job Info Page: Apply/Save Job (Job Seeker Logged In)

Table9: Employer Page: View Employer Details

Selenium IDE - job portal*

Project: job portal

Tests + D E G C O □ REC

Search tests... http://localhost

✓ Table9: Employer Page: V

	Command	Target	Value
1	✓ open	/MiniProject/index.php	
2	✓ set window size	697x720	
3	✓ click	css=.btn-success	
4	✓ click	css=.job-link:nth-child(2) p:nth-child(3)	
5	✓ click	linkText=Go to this company	

Command: #

Target:

Description:

Value:

Log Reference

Running 'Table9: Employer Page: View Employer Details'

- 1. open on /MiniProject/index.php OK 01:06:33
- 2. setWindowSize on 697x720 OK 01:06:33
- 3. click on css=.btn-success OK 01:06:34
- 4. click on css=.job-link:nth-child(2) p:nth-child(3) OK 01:06:34
- 5. click on linkText=Go to this company OK 01:06:34

'Table9: Employer Page: View Employer Details' completed successfully 01:06:34

Figure 4.2.9 Employer Page: View Employer Details

Table10: Employer Page: View Open Positions

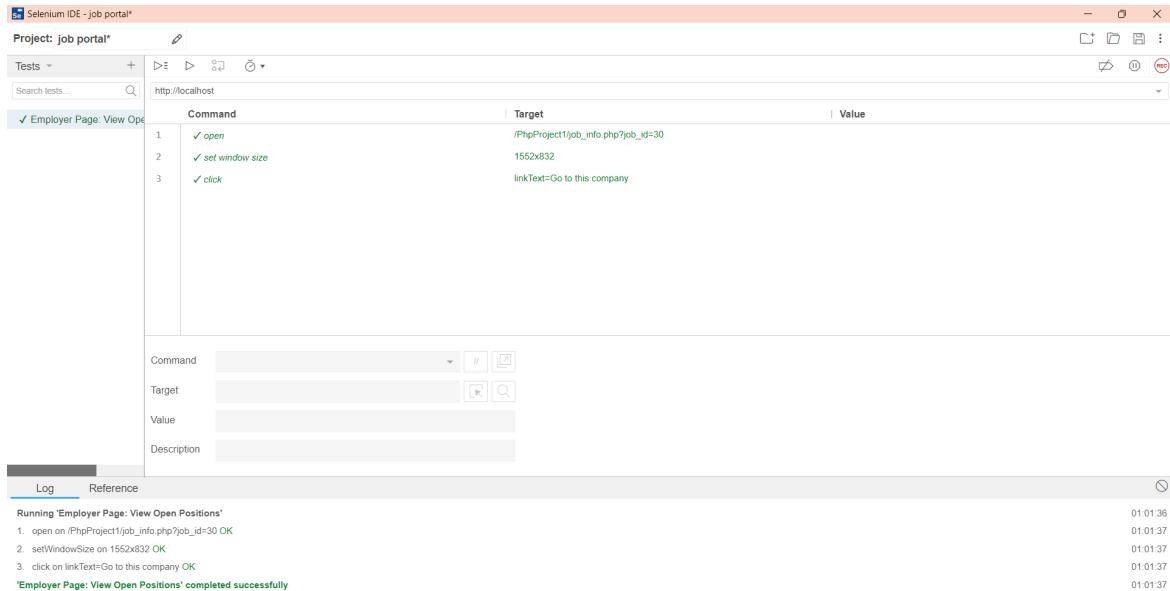


Figure 4.2.10 Employer Page: View Open Positions

Table11: Employer Page: Navigate Back to Job Listing

The screenshot shows the Selenium IDE interface with the following details:

- Title Bar:** Selenium IDE - job portal*
- Project:** job portal*
- Test Case Name:** ✓ Employer Page: Navigate
- Test URL:** http://localhost/PhpProject1/employer.php?e_id=2
- Test Log:**
 - 1. ✓ open: http://localhost/PhpProject1/employer.php?e_id=2
 - 2. ✓ set window size: 1552x832
 - 3. ✓ click: css=col-lg-4:nth-child(2).arrow-icon
- Log Panel:**
 - Running 'Employer Page: Navigate Back to Job Listing'
 - 1. open on http://localhost/PhpProject1/employer.php?e_id=2 OK
 - 2. setWindowSize on 1552x832 OK
 - 3. click on css=col-lg-4:nth-child(2).arrow-icon OK
 - 'Employer Page: Navigate Back to Job Listing' completed successfully

Figure 4.2.11 Employer Page: Navigate Back to Job Listing

Table12: Job Seeker Profile Page: Update Job Seeker Profile

The screenshot shows the Selenium IDE interface with the following details:

- Project:** job portal*
- Test Name:** Table12: Job Seeker Profi
- Test Steps (Listed in Log):**
 24. type on input value 'value' into field and press enter OK
 25. click on css=.mt-3 OK
 26. mouseOver on css=.mt-3 OK
 27. mouseOut on css=.mt-3 OK
 28. click on id=confirmSubmit OK
 29. Trying to find css=.modal-footer > .btn-primary:nth-child(1)... OK
- Test Steps (Listed in Reference):**
 25. click on css=.mt-3 OK
 26. mouseOver on css=.mt-3 OK
 27. mouseOut on css=.mt-3 OK
 28. click on id=confirmSubmit OK
 29. Trying to find css=.modal-footer > .btn-primary:nth-child(1)... OK
- Log Output:** 'Table12: Job Seeker Profile Page: Update Job Seeker Profile' completed successfully
- Timestamps:** 01:10:19, 01:10:19, 01:10:19, 01:10:20, 01:10:20, 01:10:20

Figure 4.2.12 Job Seeker Profile Page: Update Job Seeker Profile

Table13: Job Seeker Activity: View Saved Jobs and Applications

The screenshot shows the Selenium IDE interface with the following details:

- Project:** job portal*
- Test Case:** ✓ Table13: Job Seeker Activity
- Test Steps (Listed in the Command column):**
 11. ✓ click linkText=Home
 12. ✓ click linkText=My Activity
 13. ✓ click css=radio:nth-child(1) > .name
 14. ✓ click css=radio:nth-child(2) > .name
 15. ✓ click css=radio:nth-child(1) > .name
 16. ✓ click css=saved-job:nth-child(2) > a
- Log Panel:**
 - 12. click on linkText=My Activity OK 01:14:34
 - 13. click on css=radio:nth-child(1) > .name OK 01:14:34
 - 14. click on css=radio:nth-child(2) > .name OK 01:14:34
 - 15. click on css=radio:nth-child(1) > .name OK 01:14:34
 - 16. click on css=saved-job:nth-child(2) > a OK 01:14:34
- Message:** 'Table13: Job Seeker Activity: View Saved Jobs and Applications' completed successfully

Figure 4.2.13 Job Seeker Activity: View Saved Jobs and Applications

Table14: Job Seeker Application History: View Application History

The screenshot shows the Selenium IDE interface with the following details:

- Project:** job portal*
- Test:** Table14: Job Seeker Appli
- Commands:**

Line	Command	Target	Value
57	✓ click	css=search-form	
58	✓ type	name=location	
59	✓ click	css=search-btn	
60	✓ click	css=radio:nth-child(1) > .name	
61	✓ click	css=radio:nth-child(1) > .name	
62	✓ click	css=radio:nth-child(2) > .name	
- Log:**

```
57. click on CSS - search-form OK
58. type on name=location OK
59. click on CSS= search-btn OK
60. click on CSS= radio:nth-child(1) > .name OK
61. click on CSS= radio:nth-child(1) > .name OK
62. click on CSS= radio:nth-child(2) > .name OK
```
- Status Bar:** 'Table14: Job Seeker Application History: View Application History with Status Navigation and Job Info Action Button' completed successfully

Figure 4.2.14 Job Seeker Application History: View Application History

Table15: Employer Profile Page: Update Employer Information

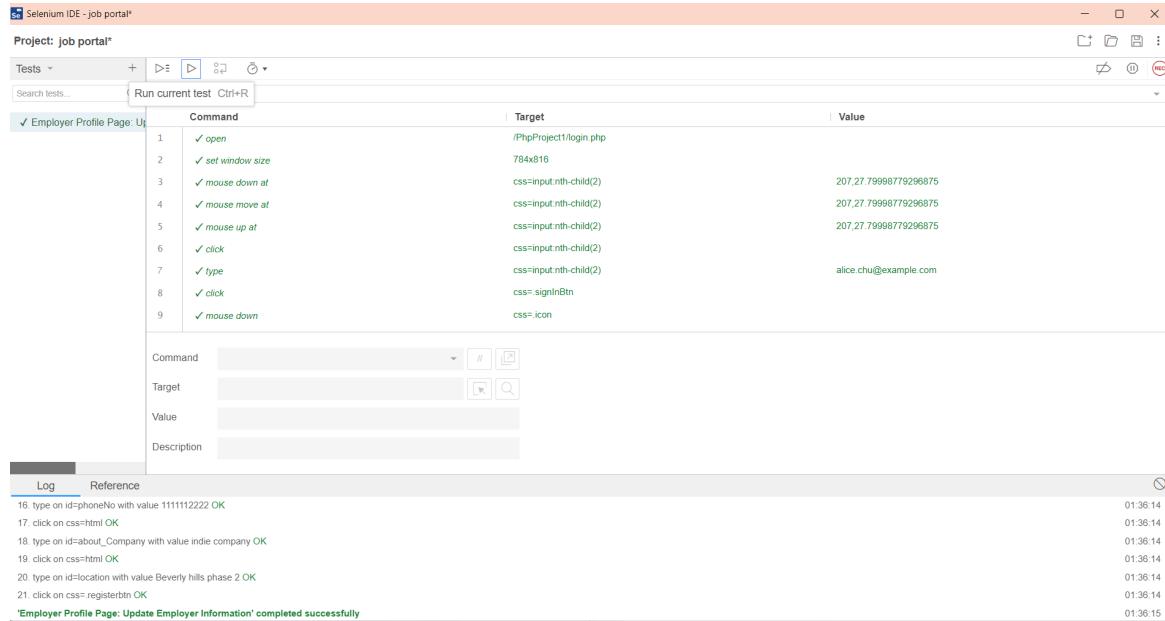


Figure 4.2.15 Employer Profile Page: Update Employer Information

Table16: Employer Dashboard: View Job Statistics

The screenshot shows the Selenium IDE interface with the following details:

- Project:** job portal*
- Test Case:** Table16: Employer Dashb
- URL:** http://localhost
- Test Log:**

Command	Target	Value
✓ click	css=btn:nth-child(3)	
✓ click	linkText=Employer DashBoard	
✓ click	css=chart-container	
✓ click	id=main	
✓ click	css=#main > h1	
✓ click	linkText=View	
- Log:**

```
11. click on linkText=Employer DashBoard OK
12. click on css= chart-container OK
13. click on id=main OK
14. click on css=#main > h1 OK
15. click on linkText=View OK
'Table16: Employer Dashboard: View Job Statistics' completed successfully
```

Figure 4.2.16 Employer Dashboard: View Job Statistics

Table17: Employer: Post a Job

The screenshot shows the Selenium IDE interface with the following details:

- Project:** job portal*
- Test Case:** Table17: Employer: Post a Job
- Commands:**

Index	Command	Target	Value
23	✓ type	id=job_responsibilities	atleast degree certificate
24	✓ click	id=requirement	
25	✓ click	css=container	
26	✓ click	id=requirement	
27	✓ type	id=requirement	atleast degree certificate
28	✓ click	css=container	
- Log:**
 - 29. type on #job_responsibilities with value atleast degree certificate OK
 - 30. click on id=add_on OK
 - 31. type on id=add_on with value workkkkkkkkkkkkkk harderrrrrrrr OK
 - 32. click on name=postingbtn OK
 - 33. click on css=job-post:nth-child(5) > .job-info OK
 - 34. click on css=job-post:nth-child(5) p:nth-child(4) OK
- Reference:** 'Table17: Employer: Post a Job' completed successfully
- Timestamps:**

Step	Time
29	01:31:03
30	01:31:05
31	01:31:05
32	01:31:05
33	01:31:06
34	01:31:08

Figure 4.2.17 Employer: Post a Job

Table18: Job Posted Page: Manage Posted Jobs

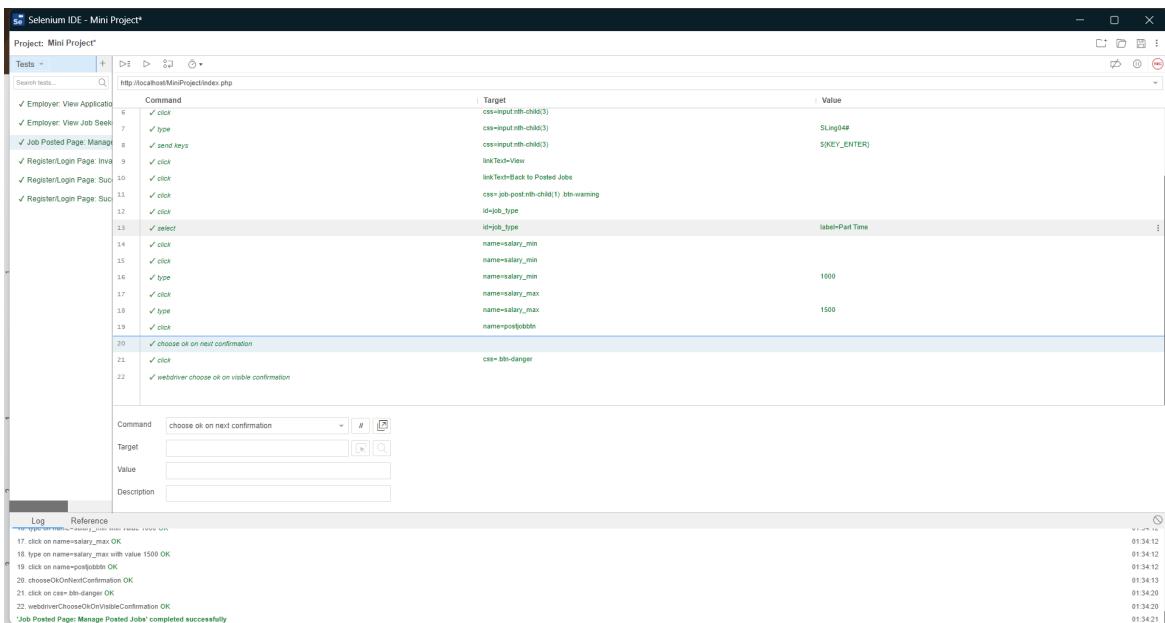
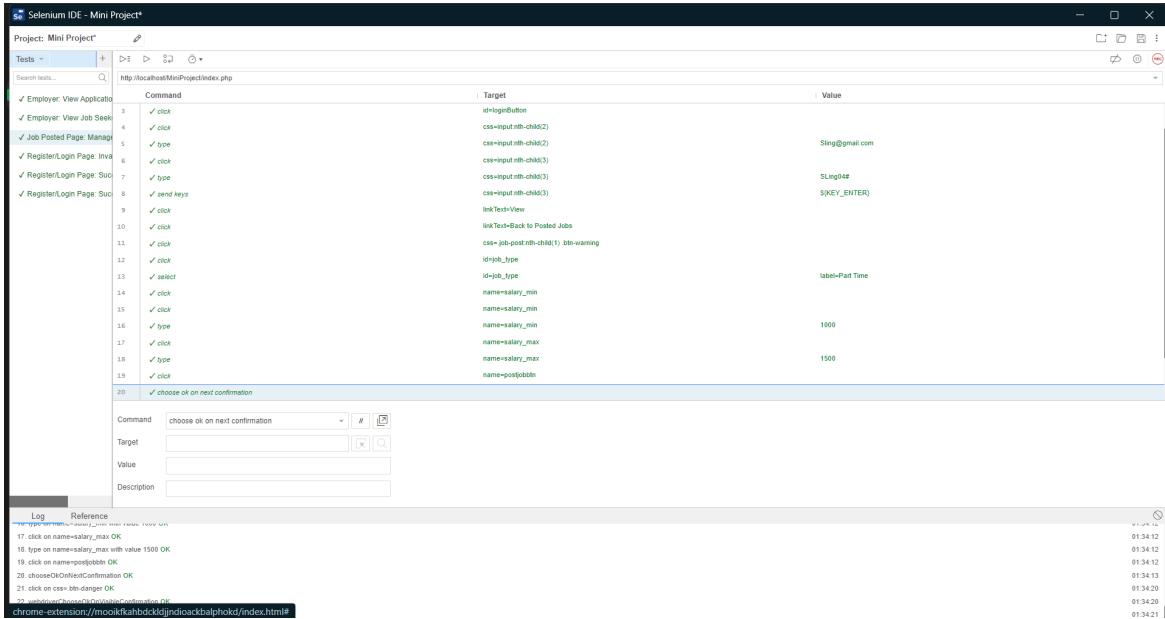


Figure 4.2.18 Job Posted Page: Manage Posted Jobs

Table19: Employer: View Job Seeker Applications

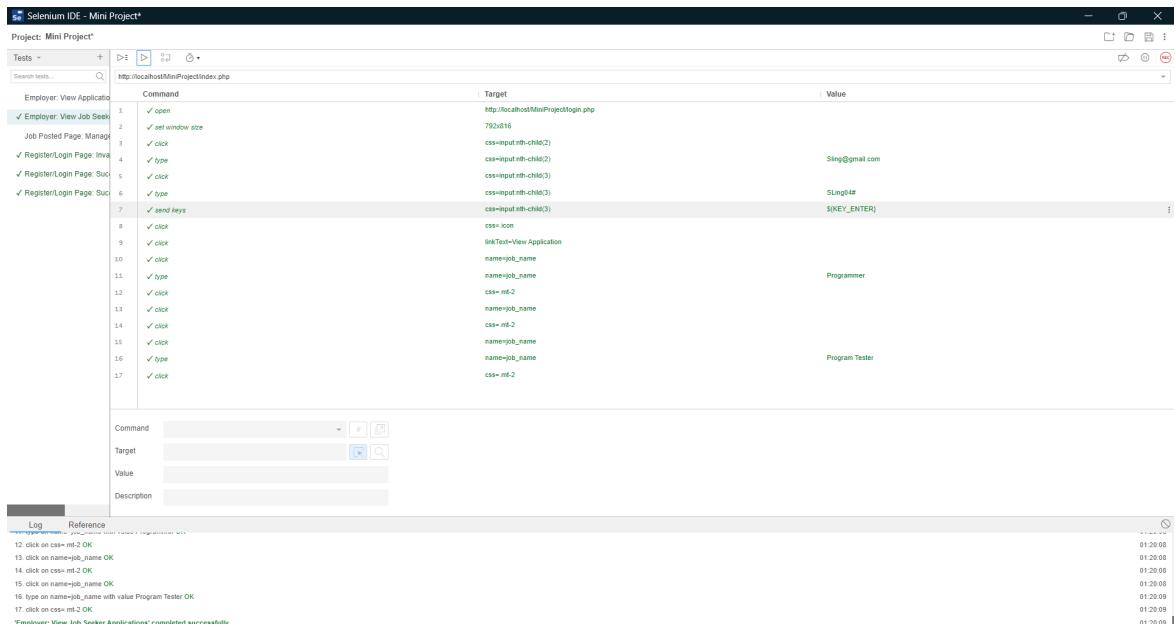


Figure 4.2.19 Employer: View Job Seeker Applications

Table20: Employer: View Application History

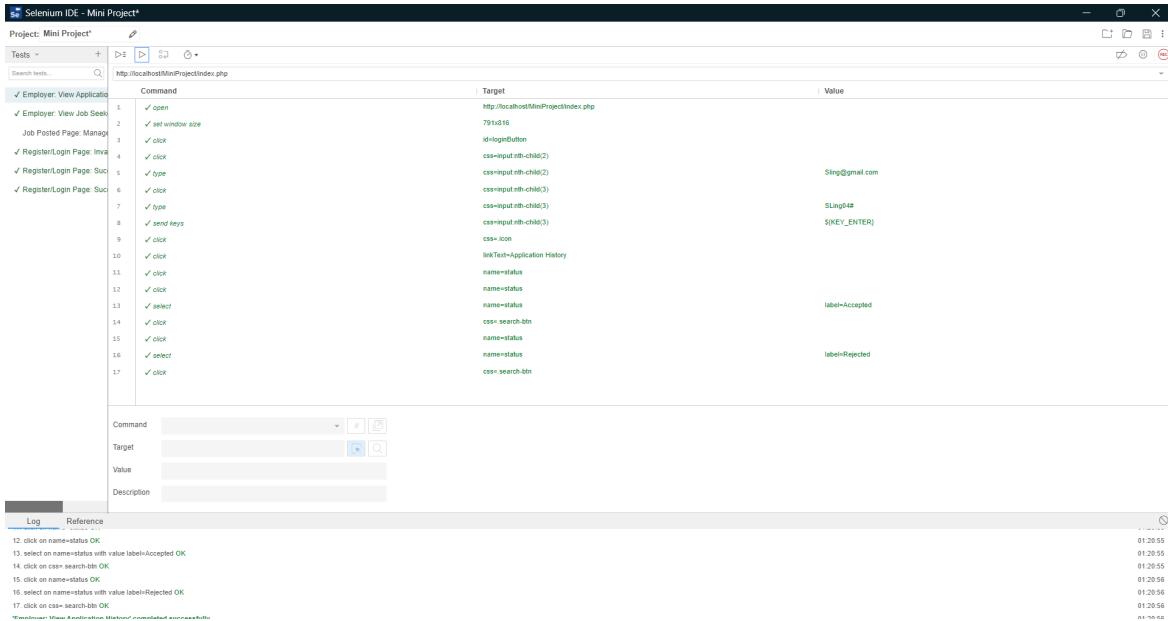


Figure 4.2.20 Employer: View Application History

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