



UNIVERSITI
MALAYA

PHASE 1 PROJECT SUMMARY

FLEXJOBS: A FREELANCING WEBSITE

WIF2003 WEB PROGRAMMING

SEMESTER 2 SESSION 2023/2024

TEAM 20

NO	NAME	MATRIC NO.	MODULE
1.	KEVIN HO TZE WAN	U2103381	General Module
2.	LEONG YUNG ZHENG	S2185575	Payment & Invoicing
3.	DOMINIC CHONG RONG YAU	22004881	Messaging System
4.	LOH POOI HUA	22004838	User Profiling
5.	NG ERN YI	22004779	Discussion Forum
6.	AIREEN ELZAHRAA BINTI AHMAD ALJAFRI	U2100667	Job Postings

Module 1: General Module

This module consists of a few features, mainly (1) login with an existing account, (2) register a new account and (3) manage site settings features. At this point, most of the front-end features in the module are built using HTML and CSS, occasionally implementing some Bootstrap templates. Here are a few figures showing parts of the website that involve Module 1:

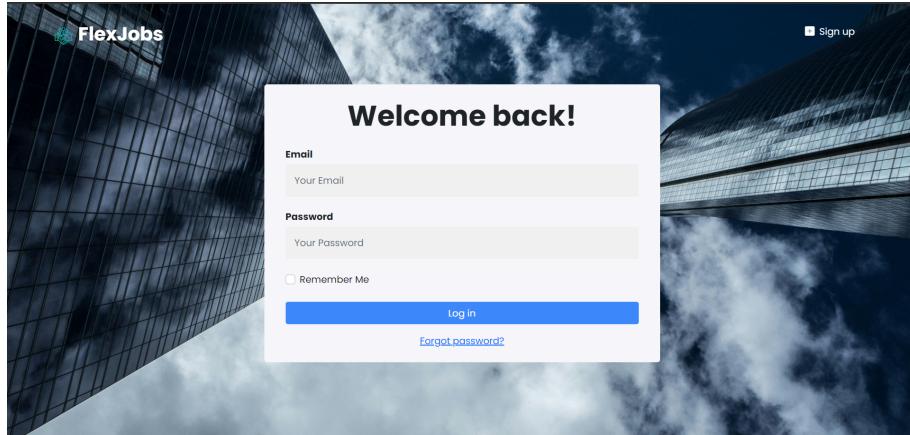


Figure 1(i): Login page

Based on **Figure 1(i)**, a single-card non-scrollable page was implemented for the login page. The card is implemented using Bootstrap. The navigation bar was made specifically transparent to focus on the background image. There is also the website brand and a sign-up button that uses one of Bootstrap's free-to-use icons. The card contains a form with two fields, "email" and "password" for the user to key in for login purposes. There is also a remember me checkbox and a forgot password feature. Upon being clicked, the forgot password hyperlink will redirect the user to another page to allow password retrieval. The login button at the bottom of the card was also implemented using Bootstrap's button templates.

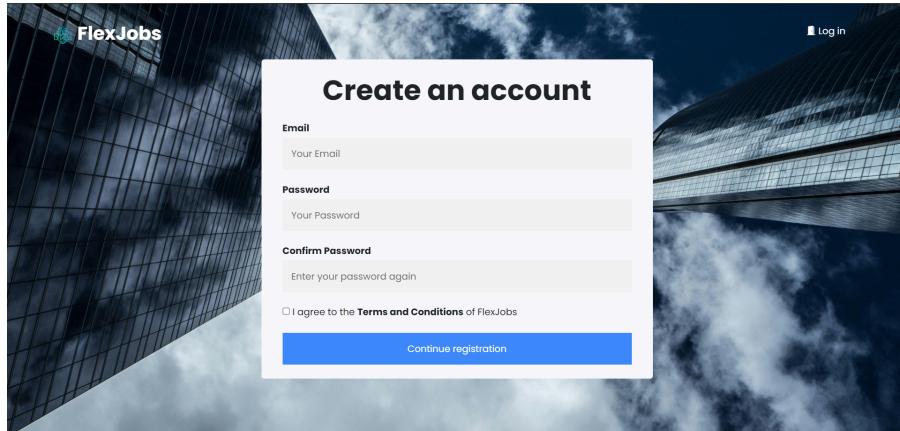


Figure 1(ii): Register a new account page

The account registration page poses similar features to the login page.

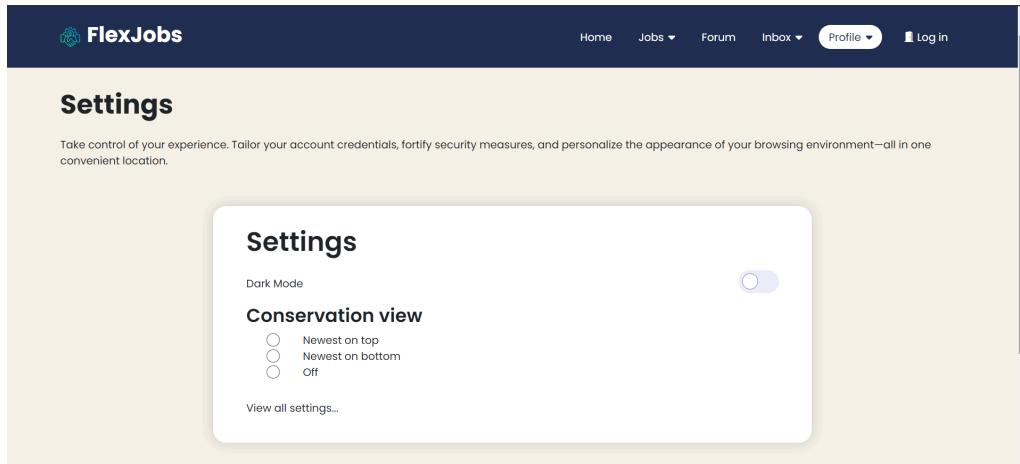


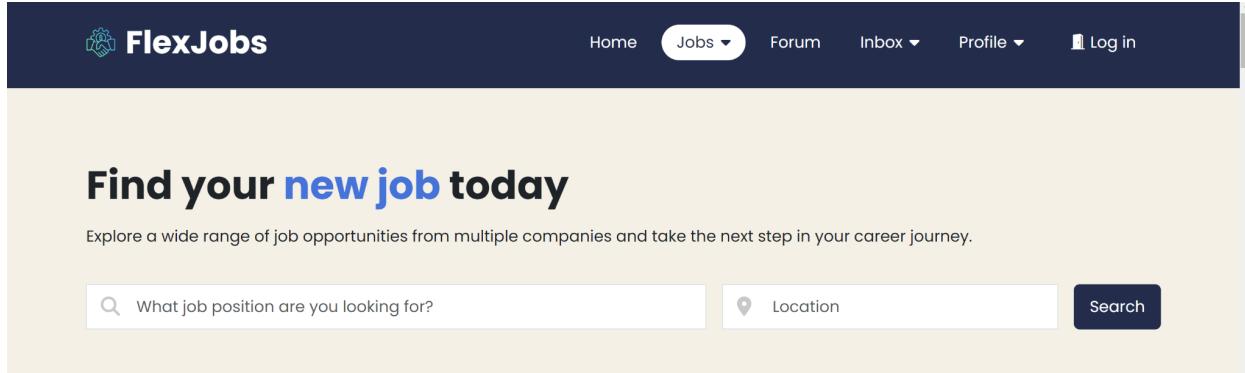
Figure 1(iii): Manage site settings page

The last notable feature of Module 1 is the “manage site settings” feature. This feature is implemented on a page of its own. The card for this page was single-handedly made using CSS styling. As of presentation 1, the site settings contained within the card itself are of two types, a toggleable setting and a multi-option setting. The multi-option setting is implemented using radio buttons. There will be plans to add more site settings.

Module 2: Job Postings

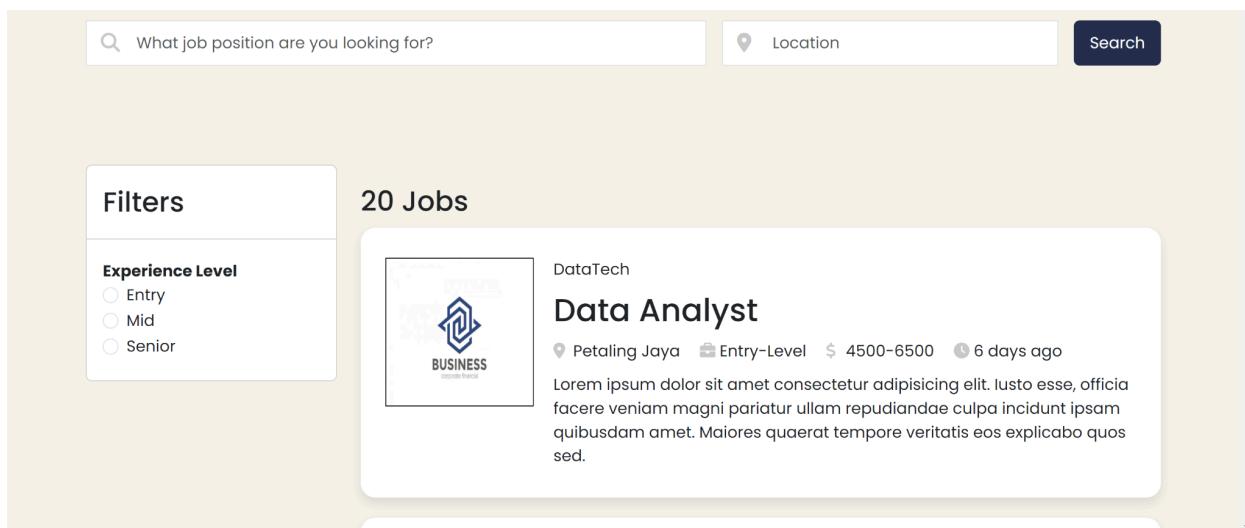
The Job Postings module consist of 3 main features: search job, apply job, post a new job
It is created using HTML, CSS, Bootstrap, and Javascript

(1) For Search Job feature, it is in job-search.html:



The screenshot shows the top navigation bar of the FlexJobs website. It includes a logo, links for Home, Jobs (with a dropdown arrow), Forum, Inbox (with a dropdown arrow), Profile (with a dropdown arrow), and a Log in button. Below the navigation is a large banner with the heading "Find your new job today" in bold black and blue text. A subtext below it reads "Explore a wide range of job opportunities from multiple companies and take the next step in your career journey." At the bottom of the banner are three input fields: a search bar with placeholder text "What job position are you looking for?", a location input field with placeholder text "Location", and a dark blue "Search" button.

This is the top part, which is contained inside a section tag, consisting of 2 main <div> to hold the content. The first <div> in the section holds the heading 1 ("Find your new job today") and a paragraph ("Explore a wide range..."). The blue colored text in the heading 1 is set using the span element and assigned with a CSS class called "blue-text" to set the particular text to blue color. The second <div> in this section contains a form which containing the input field for the job position, location and the search button. The width for the input fields and search button is set using Bootstrap grid system wherein the job position input field is taking 7/12 of the width while the others' width are auto.



The screenshot shows the search results page. At the top is a search bar with placeholder text "What job position are you looking for?", a location input field with placeholder text "Location", and a dark blue "Search" button. To the left is a "Filters" card with a title "Filters" and a section for "Experience Level" with three radio buttons: "Entry", "Mid", and "Senior". To the right is a card titled "20 Jobs" containing a job listing for a "Data Analyst" position at "DataTech" in "Petaling Jaya". The listing includes the job title, company name, location, salary range (\$ 4500-6500), and a timestamp ("6 days ago"). Below the job listing is a brief description: "Lorem ipsum dolor sit amet consectetur adipisicing elit. Iusto esse, officia facere veniam magni pariatur ullam repudiandae culpa incident ipsam quibusdam amet. Maiores quaerat tempore veritatis eos explicabo quis sed."

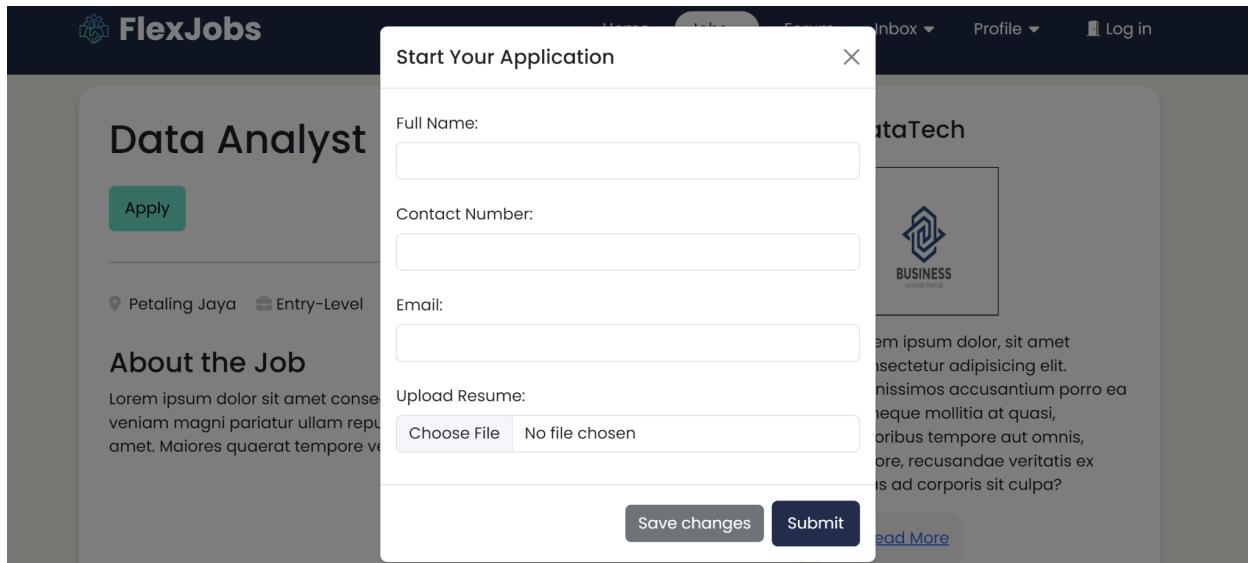
The next section in the job-search.html is for containing the filter card and job cards. The width for the filter column and the cards column is configured using Bootstrap grid system also. The radio buttons for the filter are set using Bootstrap. Next, for the job cards column, each card is configured using a custom CSS by setting a <div> to contain all the cards, and set the display for the elements in that <div> to be flex. Flex wrap property is also set for the elements in the

cards so that instead of having all the cards in 1 row, they can wrap into multiple rows. Each card is set to have 100% width (following the width of its parent, i.e. the column width). Then inside each card contain 2 main <div> to contain the company logo image (left) and the job information (right). Each element in the card is given an id so that a value can be passed and set to that id so that it will display the right content for each job card after retrieving the job data from the json file.

The screenshot displays a job listing for a 'Data Analyst' position. The job is located in Petaling Jaya, is entry-level, pays \$ 4500, and was posted 6 days ago. An 'Apply' button is present. To the right, there's a company profile for 'DataTech' featuring a logo and some placeholder text.

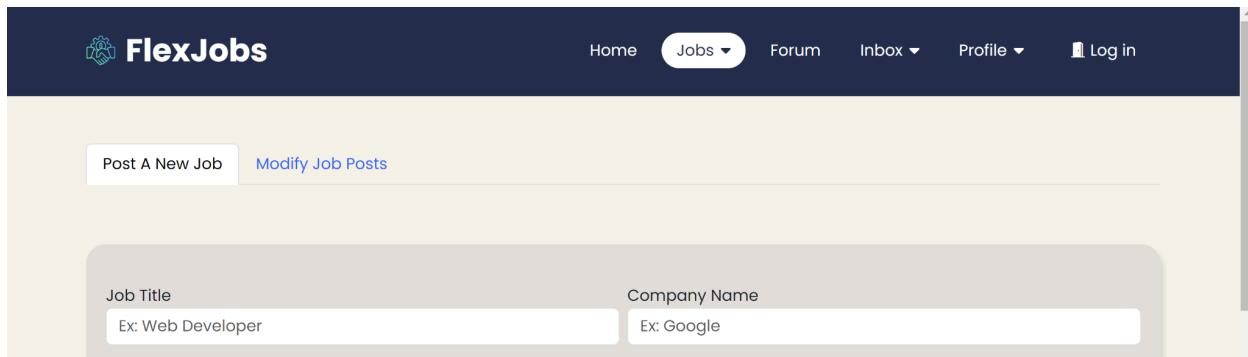
When user click on 1 particular job card, it will open the job-details.html and load the information of a particular job based on its jobId. Based on the jobId, the job-details.js will retrieve the information from jobs.json and load the information accordingly in their respective ui container. The job details (left column) is set to having width of 8/12 using Bootstrap grid system, and the company details (right column) is set to "col" class to autofit to the rest of available width, with left margin of 20px to space it a bit away from the left column.

(2) Second feature: Apply Job



In the job-details page, when user click on the “Apply” button, a modal will popup and user can fill in their details in the form inside the modal body then submit. This modal is configured using Bootstrap modal class.

(3) Third feature: Post A Job



Inside post-a-job.html. Content consist of 2 main section. First section is to contain the tab bar so that client can navigate to the pages for this feature. This tab bar is set using Bootstrap nav-tabs class where each item is having an anchor tag containing hyperlink to the appropriate page.

FlexJobs

Home Jobs Forum Inbox Profile Log in

Minimum Salary
Ex: 2000

Maximum Salary
Ex: 10000

Job Location
Ex: Kuala Lumpur

Employment Type
Choose

About the Job
Job Description

Skills

Submit

FlexJobs

Home Jobs Forum Inbox Profile Log in

JOB Title
Web Developer

Company Name
Universiti Malaya

Minimum Salary
800

Maximum Salary
1000

Job Location
Kuala Lumpur

Employment Type
Entry-Level

About the Job
Testing

Skills
tag1 tag2 tag3

Submit

Second section in post-a-job.html. It is a form where client can fill in the job details in the input fields then submit using the submit button. The post-a-job.js will handle the newly submitted job by creating a new job object then appending it to the userJobs array which is stored in the user's browser's local storage (use local storage for this phase 1 temporarily because we don't have database yet).

The screenshot shows a user interface for managing job posts. At the top, there is a dark header bar with the 'FlexJobs' logo on the left and navigation links for 'Home', 'Jobs', 'Forum', 'Inbox', 'Profile', and 'Log in' on the right. Below the header, there are two buttons: 'Post A New Job' and 'Modify Job Posts'. The main content area features a table with a single row of data. The table has columns for 'ID', 'JOB TITLE', 'COMPANY NAME', 'POSTED ON', 'EDIT', and 'DELETE'. The data in the table is as follows:

ID	JOB TITLE	COMPANY NAME	POSTED ON	EDIT	DELETE
admin	Web Developer	Universiti Malaya	Today	Edit	Delete

Client can choose to edit or delete the job he/she had posted and the record will be edited/deleted in the storage also. The content is display in the form of table. The table have a table head (first row) and table body (rows after first row). The edit/delete button will be having a red background when user hover over it, to signal that user should be careful when nearing that area.

When developing this module, the Google Develop Tool is also utilised for debugging errors especially in the Elements to fix ui configurations such as padding, margin, alignment of items, and in the Console to inspect whether the configured javascript is working properly or not.

Module 3: Messaging System

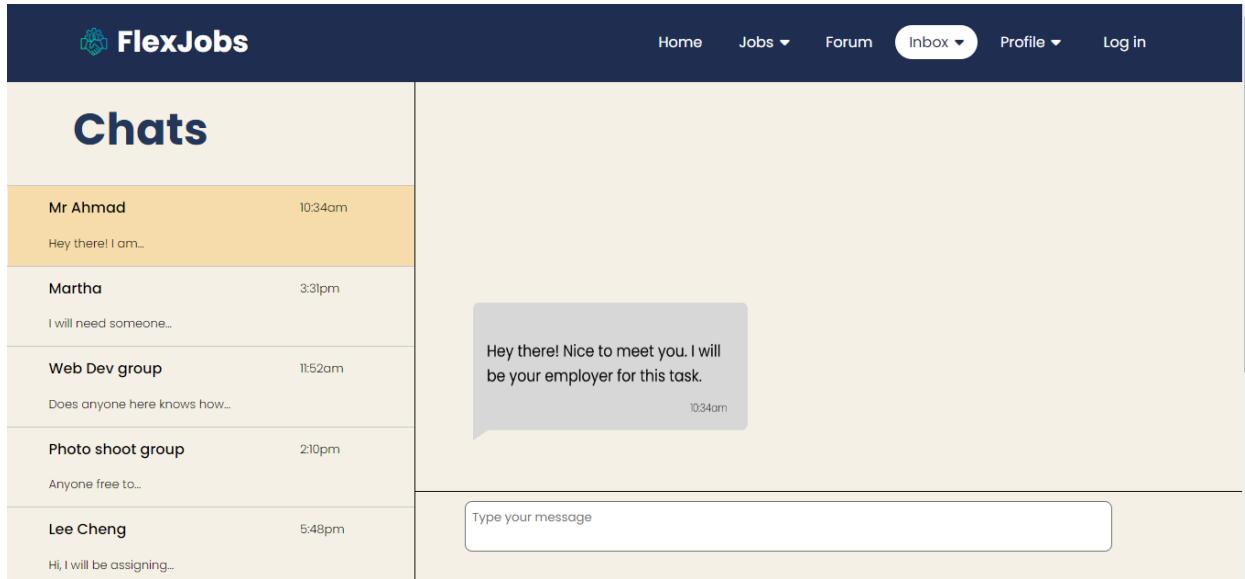


Figure 3.1

This page is created using HTML, CSS and JavaScript. When a user clicks on the chat feature under the Inbox navigation, it will show the user this page as shown in Figure 3.1. In this page, there is a list of messages on the left column that users can click on to navigate to different chats to start a conversation with other users. Then, on the right column, here is where users can interact with other users using the interface. At the bottom of the right column, a text box is given so that users can type their messages and send them. Whenever a user click to a different chat, it will change the content on the right column according to who they are messaging.

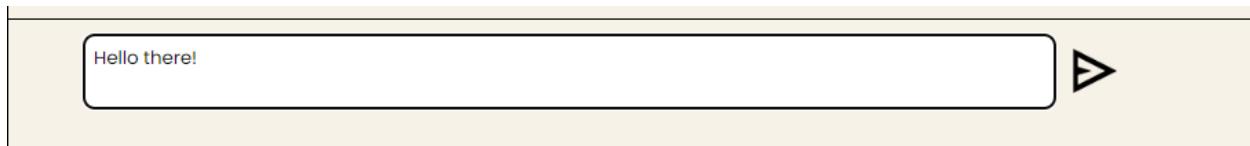


Figure 3.2

On Figure 3.2, it is the text box which is also integrated with JavaScript. The send button beside the text box is only shown when the user types their message.

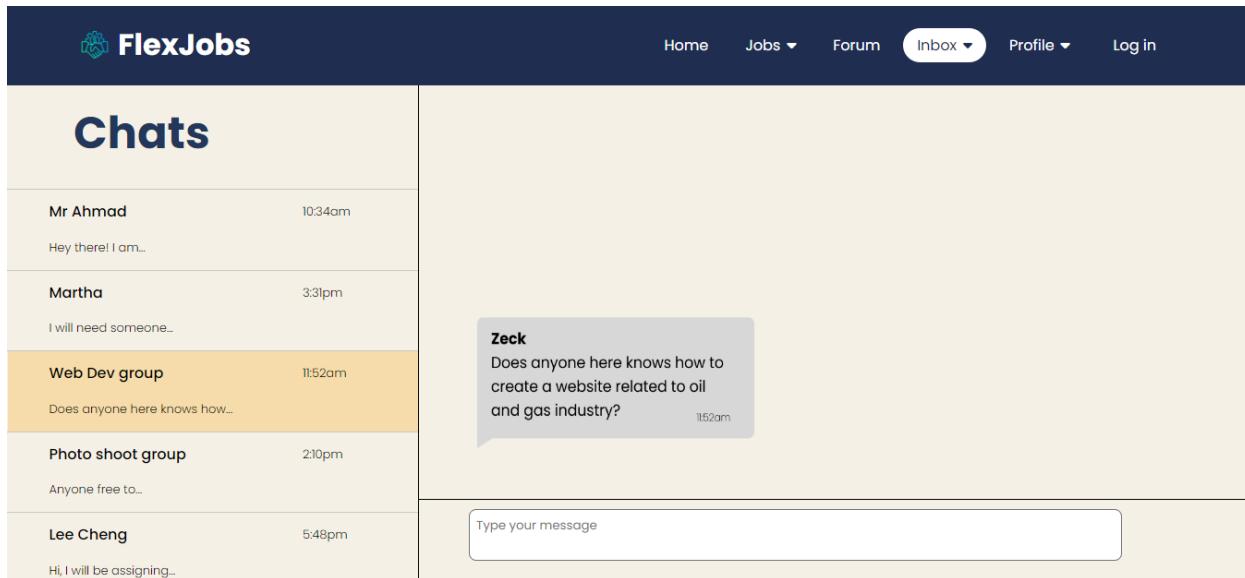


Figure 3.3

In this module, there is also a group chat feature. It lets multiple users interact and communicate through this platform with their name attached above their sent messages.

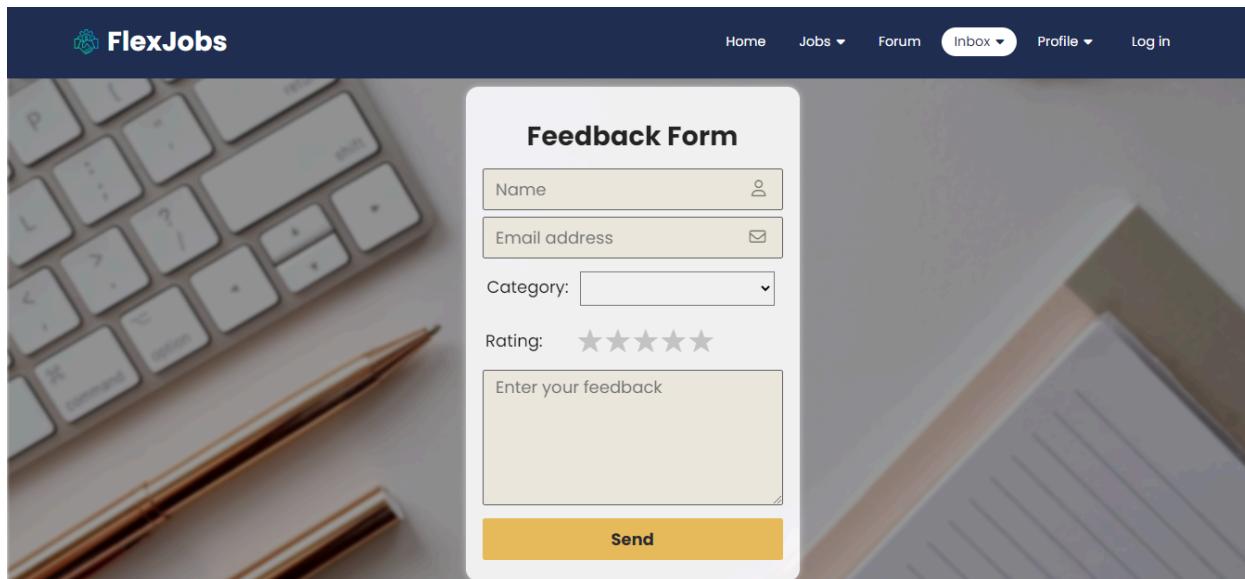


Figure 3.4

Feedback form is included under the inbox navigation so that users can give feedback to us. The form consists of name, email address, category, rating and feedback field. There is also validation done in the form using JavaScript so that when a user key in the wrong format of email address, it will show an error message saying that they need to key in the right format of email.

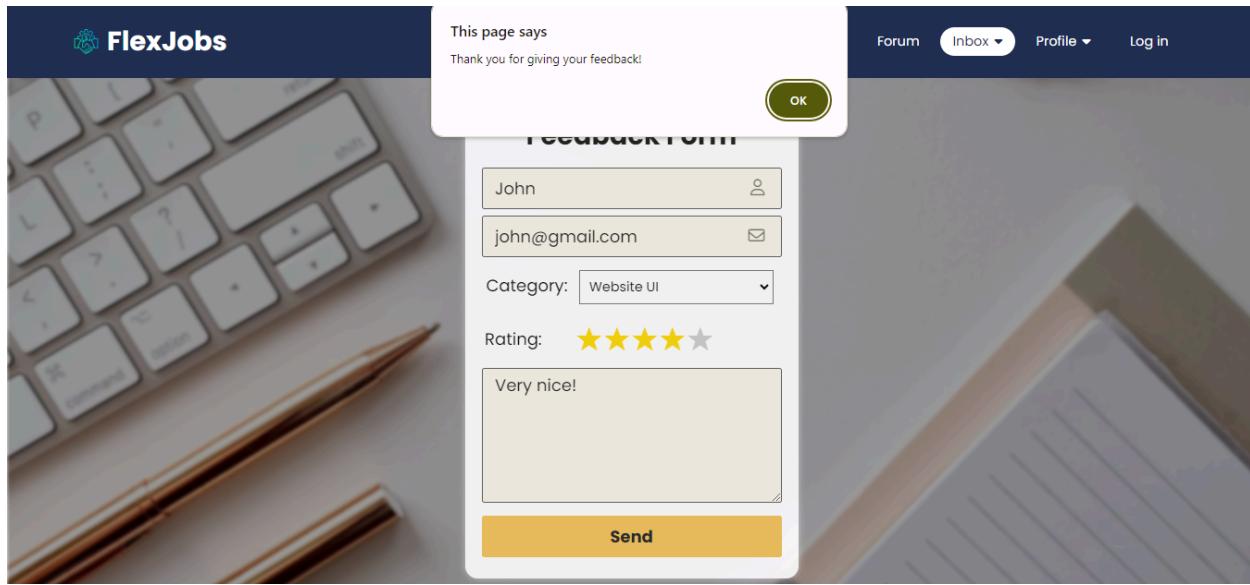


Figure 3.5

After submitting the feedback form, an alert message will pop up saying 'Thank you for giving your feedback!'. This is to give confirmation to the user that the form has been submitted. When the user clicks 'OK', it will reset the feedback form values back to the default.

Module 4: Payment & Invoicing

The screenshot shows the 'Transaction History' section of the FlexJobs website. At the top, there are three summary cards: 'Total Earnings RM5200.00', 'Earnings Past 30 Days RM2700.00', and 'Average Daily Earnings RM90.00'. To the right is a 'Earnings Trend' chart showing weekly earnings. Below these are filtering options ('Filter by: Mar 1, 2024 - Apr 10, 2024', 'Filters', 'Download invoices') and a table of transactions. The table has columns: Date, Type, Description, From, Balance, and Reference ID. It lists six entries from March 1 to April 5, 2024, all categorized as 'Cash payment' and 'Order' from 'micheal', with a balance of '+RM500.00' or '+RM200.00'. At the bottom of the table are navigation links: 'Previous', page numbers '1', '2', '3', and 'Next'.

Date	Type	Description	From	Balance	Reference ID
Apr 5, 2024	Cash payment	Order	micheal	+RM200.00	FRE1020200
Mar 29, 2024	Cash payment	Application Design	micheal	+RM1000.00	FRE1020150
Mar 22, 2024	Cash payment	Order	micheal	+RM500.00	FRE1020103
Mar 15, 2024	Cash payment	Order	micheal	+RM500.00	FRE1020096
Mar 8, 2024	Cash payment	Order	micheal	+RM500.00	FRE1020032
Mar 1, 2024	Cash payment	Order	micheal	+RM500.00	FRE1020003

We used html, css, javascript and bootstrap to make this page. In this page, there are two html files to show the perspective from the buying view and selling view.

The button is styled in a way that when its hovered, it will change the background color to blue. When it is clicked, a javascript function will switch the page to the buying view and it can be switched back as well.

Moving down, the earnings info is made using bootstrap cards, as well as bootstrap grid to make columns and rows, As well as a drop shadow styling to make the card stand out more.

In the table below, we used bootstrap card as well, and also used flex in css to position the elements. We also imported some font awesome icon to use as well as you can see in the date picker, and filter. In the table body, bootstrap's text class like text-success were used to give the balance text a green color, and text-danger to style it to red. There are also a link to the invoice in pdf format.

123 Annville
Cupertino, CA, 95014

RM1000.00

CHARGES	QUANTITY	TOTAL
Application Design	1	RM500.00
Additional Revisions Third round of feedback requested by the client	1	RM200.00
Icon Design	1	RM300.00

Subtotal	RM1000.00
Sales Tax (6%)	RM1006.00
Total	RM1006.00

Payments:
Checks payable to:
Felix Driscoll
123 Baker Ln
Los Angeles, CA, 91004

Payment Links:
[https://buy.stripe.com/
test_dR65o41Q82Wqbw4eUV](https://buy.stripe.com/test_dR65o41Q82Wqbw4eUV)



In the invoice pdf, there is a stripe link as well as a qr code to make payments.

Module 5: User Profiling

The screenshot shows a user profile page on the FlexJobs platform. At the top, there's a navigation bar with links for Home, Jobs, Forum, Inbox, Profile, and Log in. The main content area has a light beige background. It features three white rectangular cards. The first card contains a circular profile picture of a woman, the name "Janny Doe", the email "jannydoe@example.com", and the phone number "016-9874563". The second card is titled "Experience +" and shows a building icon, the title "Front-end Developer", the company "XYZ Company", the period "2022-2024", and the location "Kuala Lumpur". The third card is partially visible at the bottom and is titled "Education +".

Figure 5.1 Portfolio

We used HTML, CSS, and JavaScript to make this page. The main content area includes sections personal information, experience, education, skills, honors & achievements, and organizations. Each section has a title, buttons for adding/editing details, and a container for displaying information. JavaScript functions are used to handle editing functionality dynamically. When the edit button is clicked, the corresponding section becomes editable, and input fields are displayed. There are functions to add new details, save changes, and delete items within each section.

The screenshot shows a career test assessment page on the FlexJobs platform. The top navigation bar is identical to Figure 5.1. The main content area has a light beige background. A title "Career Test Assessment" is centered at the top. Below it is a text box containing instructions: "In order to choose a career that will give you personal satisfaction, you must spend some time thinking about what really interests you. This activity helps you match your interests to different types of careers. For each item, circle the letter of the activity you would rather do. It doesn't matter if you like both of them a lot or dislike both of them a lot; just pick the one you would rather do." Below the instructions is a list of seven activities, each with a radio button to its right:

- A – Operate a printing press
- B – Study the causes of earthquakes
- C – Plant and harvest crops
- R – Replace a car window and fender
- E – Analyze reports and records
- F – Operate a machine

Figure 5.2 Career test assessment page

We used HTML, CSS, and JavaScript to create this page. There is a container for the title and introductory text of the career test assessment. Animation is applied to fade in the content.

The main content section is enclosed within a `<div class="container">`. Inside this container, there's a `<div id="questions-container">` which likely holds the questions for the career test assessment. Each question seems to be contained within a `<div class="question-container">`. Inside each question container, there's a checkbox for the user to select their preference. When hovering over each question, it changes the background color to indicate which line the user is now reading.

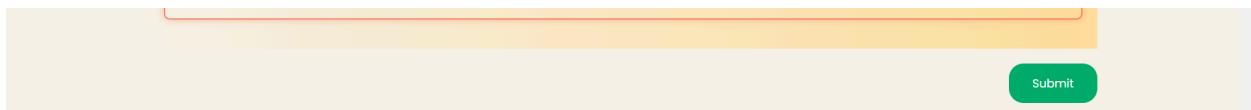


Figure 5.2.1 Submit button

There's a submit button for submitting the assessment. It also changes the background color on hover.

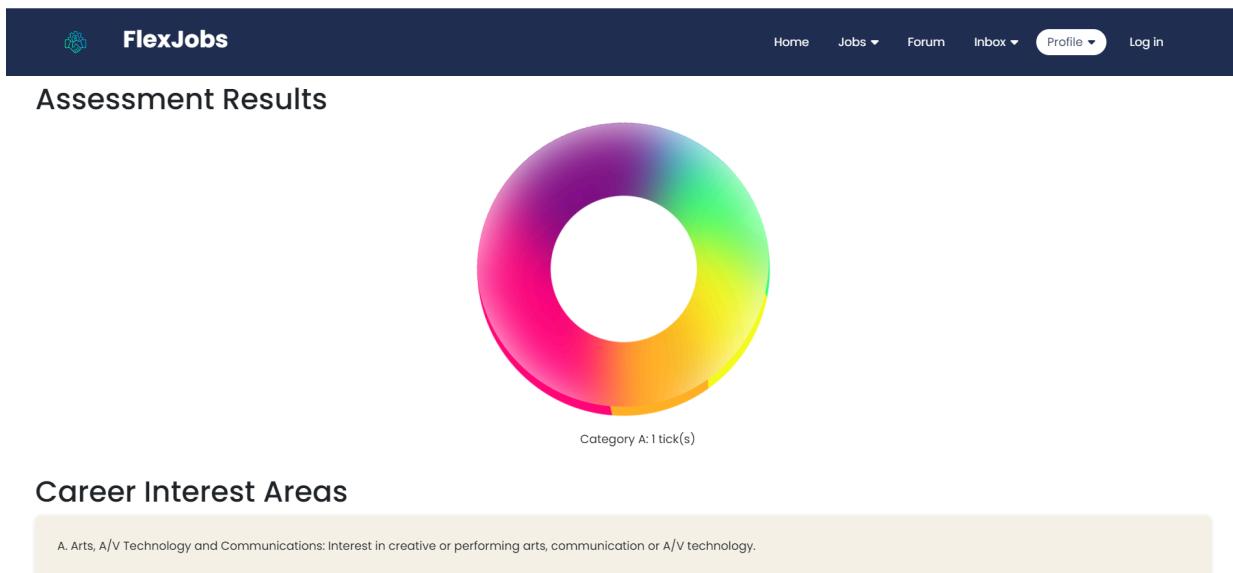


Figure 5.2.1.1 Result page

After clicking the submit button, the system displays the tick count for each category, allowing users to understand the significance of each category. The `@keyframes spin` rule defines a rotation animation for the `.container` element, preventing users from feeling bored while viewing the content. This animation adds visual interest and ensures that the content continuously moves, providing a dynamic experience.

The screenshot shows the FlexJobs website's 'Job Applied' page. At the top, there is a dark blue header with the FlexJobs logo, navigation links for Home, Jobs, Forum, Inbox, Profile, and Log In. Below the header, the main content area has a light beige background. The title 'Job Applied' is centered at the top of the content area. There are two identical-looking job card templates side-by-side, both titled 'Auditor'. Each card contains the following information:

- Company: XXX Sdn Bhd
- Location: Kuala Lumpur
- Green checkmark icon: Viewed by employer
- Green checkmark icon: Accepted

A dark blue 'View Details' button is located at the bottom of each card. At the bottom of the page, there is a dark footer bar with three sections: 'FLEXJOBS INC.', 'PRODUCTS', and 'CONTACTS'. The 'FLEXJOBS INC.' section includes a mission statement: 'Empowering Freelancers, Connecting Opportunities. Revolutionizing the freelance landscape with innovative solutions for seamless collaboration and career growth.' The 'PRODUCTS' section lists 'Freelancing Journal', '2024 Calendar', and 'Profession Booklet'. The 'CONTACTS' section provides the company's address ('Universiti Malaya, Federal Territory of Kuala Lumpur'), email ('flexjobs-incorporated@business.com'), and phone number ('+60 84-249 999').

Figure 5.3 Job applied page

This page utilizes HTML and CSS to display multiple job cards, allowing users to track the status of jobs they have previously applied for.

Module 6: Discussion Forum

The screenshot displays two views of a discussion forum on the FlexJobs platform. The top view shows the 'Discussion Forum' section, which includes a search bar, an 'Add New Topic' button, and a list of 'Current Popular Topics'. The bottom view shows the 'Featured Topics' section, which also lists three topics. Both sections feature a consistent layout with a title, author information ('by abc123'), the latest post details ('Latest Post By abc123 1 hour ago'), and a user profile picture.

Section	Topic Title	Author	Latest Post By	Time Ago
Current Popular Topics	How to be a good freelancer?	abc123	abc123	1 hour ago
	How to be a good freelancer?	abc123	abc123	1 hour ago
	How to be a good freelancer?	abc123	abc123	1 hour ago
Featured Topics	How to be a good freelancer?	abc123	abc123	1 hour ago
	How to be a good freelancer?	abc123	abc123	1 hour ago
	How to be a good freelancer?	abc123	abc123	1 hour ago

We used HTML, CSS, and JavaScript to make this page. The discussion forum page contains a search bar for the user to search their favorite topic, a list of current popular topics and featured topics. In this page, there is an add new topic button. When the button is clicked, the next page will be shown for the user to add new topics. The user can click on the title for the topic in the list to navigate to the topic details page to see more topics.

New Topic

Enter your topic title here

Attachment 😊 B I Bullets Numbering H1 H2 Link

Submit

This is the add new topic page. The user can add a new topic by entering the title and the content. There are some formatting tools for the user to format their content if they wish to. After entering the information needed, the user can click on the submit button to submit this topic.

Discussion Forum

How to be a good freelancer?

I have a question blablabla
blablablabl
blablabla

by abc123

Sort By : Newest

<< < 1 2 3 4 > >>

This is part of the discussion forum page. The page will show the title and the content of the forum as well as the user who created this forum. There is a sort button for the user to choose to sort with different criterias. There is also a navigation tool for the user to navigate to different pages.



abc123

As a freelancer, being successful requires a combination of skills, mindset, and strategies. Firstly, it's essential to have a clear understanding of your strengths, expertise, and niche. Identify your target market and tailor your services to meet their needs effectively. Communication is key in freelancing. Maintain clear and open communication with your clients to understand their requirements and expectations. Be proactive in providing updates and seeking feedback to ensure client satisfaction.

2 days ago ▲ 3 ▼ 2 #1

This is one of the example of the post under the topic. The username, profile picture, content, time are shown. The user can choose to upvote, downvote or even quote the post.



This is the post a new post section in the page, the user can enter their opinion and can edit them using the formatting tools. After all details are filled, they can click the submit button to submit.