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A. Team Homepage

Team metrics

TEAM PASSIONATE
ON TRACK

TEAM INNOVATION
ON TRACK

TEAM ENERGY
ON TRACK

Welcome to Group 5

A creative team and strong performance result in excellent project execution.

About Group 5

We are group 5 in the Thursday evening class!
My team has 5 members who are:

- 1. Tran Duy Minh
- 2. Vu Hai Phuong Linh
- 3. Vu Xuan Sang
- 4. Nguyen Tran Yen Binh
- 5. Vu Minh Duc

We want to make a wonderful realistic project, and we are in the midst of doing so.

Meeting notes

1. 14/09: Explore Confluence and do the workshop.
2. 21/09: Read project proposal, check detail and requirement, discuss, and divide parts.
3. 28/09: Done all project's parts.
4. 29/09: Call and do Project Proposal. Check progress also the quality of all parts.
5. 14/10: Fix Confluence, Jira, Discuss the web application.
6. 21/10: Discuss database according to stakeholder information, refine ER diagram and database.
7. 2/11: Done the prototype of the web application, plan to import the database in.
8. 26/11: Finish and submit.

Meet the team

 Team Leader @Tran Duy Minh (Swinburne HN)	 @Vu Hai Phuong Linh (Swinburne HN)
 @Vu Xuan Sang (Swinburne HN)	 @Nguyen Tran Yen Binh (Swinburne HN)
 @Vu Minh Duc (Swinburne HN)	

Resources

Restrict search to this space's space key.

Search

Search

WHERE TO FIND US?				
Minh's contact	Linh's contact	Binh's contact	Sang's contact	Duc's contact
 :	 :	 :	 :	 :
104170994@swin.edu.au	104177173@swin.edu.au	104188492@swin.edu.au	104180388@swin.edu.au	104170910@swin.edu.au

Our calendar

WHOLE TEAM
Team meeting on every Saturday night and anytime extra

1. Vu Minh Duc (My user Manual)

Environments I like to work in	<ul style="list-style-type: none"> I like to work at home, where I feel comfortable the most. Besides from that, I would also find working at a quiet cafe productive 	
Preferred working hours	3 Hours	
Communication preferences	Either face to face or messenger	
Preferred ways to receive feedback	Face to face or messenger	
Things I need	Productive and hard-working friends, and time for my self	
How I learn best	I learn best by watching tutorial videos or taught by a friend who is intelligent	
Things I struggle with	My timetable I believe.	
Things I love	Music, movies.	
If I were an animated gif/meme/animal/song, I would be...	I would be this one:	
My favorite saying	Oh damnnnn	
Other things I want you to know about me	I am the president of a music club	

2. Tran Duy Minh

Environments I like to work in	Relax, Comfortable environment	
Preferred working hours	Most days - most hours	
Communication preferences	Offline if possible	At class
Preferred ways to receive feedback	Offline or Messenger	
Things I need	Clear object, do jobs on time	
Things I struggle with	Time management	
Other things I want you to know about me	Chill	

3. Vu Xuan Sang

Environments I like to work in	• Friendly and comfortable	
Preferred working hours	8:00 - 11:00 and 15:00 - 18:00	
Communication preferences	Face to face, online	
Preferred ways to receive feedback	Zalo, Messenger	
Things I need	Money	
How I learn best	online course	
Things I struggle with	deadline	
Things I love	games, movies	
If I were an animated gif/meme/animal/song, I would be...	Ben 10	
My favorite saying	"If you can dream it, you can do it." (random)	

4. Vu Hai Phuong Linh

Environments I like to work in	Home, quiet/comfortable places in general	
Preferred working hours	Afternoon-night	
Communication preferences	Messages, Video calls	
Preferred ways to receive feedback	Private messages, discussions.	
Things I need	HD	
How I learn best	By learning in a comfortable space, and motivated	
Things I struggle with	Procrastination	
Things I love	Drawing, Watching Youtube	
If I were an animated gif/meme/animal/song, I would be...	Popuko	
My favorite saying	:3	
Other things I want you to know about me	Idk	

5. Nguyen Tran Yen Binh

Environments I like to work in	Flexible, not too much pressure
Preferred working hours	2h each day
Communication preferences	Offline, Messenger and Discord
Preferred ways to receive feedback	Offline, Messenger and Discord
Things I need	Good quality product before deadline
How I learn best	Learn through some people and platforms
Things I struggle with	Manage jobs and time
Things I love	Money

6. Working Agreements

👤 Team Preferences

Team Member	@Vu Minh Duc (Swinburne HN)	@Tran Duy Minh (Swinburne HN)	@Vu Xuan Sang (Swinburne HN)	@Vu Hai Phuong Linh (Swinburne HN)	@Nguyen Tran Yen Binh (Swinburne HN)
Working location and timezone	Hanoi, Viet Nam, GMT+7	Hanoi, Viet Nam, GMT+7	Hanoi, Viet Nam, GMT+7	Hanoi, Viet Nam, GMT+7	Hanoi, Viet Nam, GMT+7
Working hours and commitments	Each day spend at least 3 hour studying	Try to work as much as possible	8:00 - 11:00 and 15:00 - 18:00	Afternoon-night	2h each day
Working environment and preferences	At home, cafe, quiet places	Relax, Comfortable environment	Friendly and comfortable	Home, quiet/comfortable places in general	Flexible, not too much pressure.
How I like receiving feedback	Face to face or messenger	Offline or Messenger	Zalo, Messenger	Private messages, discussions.	Offline, Messenger and Discord
Context about me	I am the president of a music club and I love playing guitar.	A very chill person.	I love playing games and watching movies.	I love drawing, watching Youtube	I love money

💬 Communication Channels

Channel	Purpose	Audience	Standards
Offline	Discussion, Building credibility, social bonding	Project team, Clients, Users	Accurate, Active listening, Understanding and clarity
Messenger	documentation, announcements	Project team, Clients, Users	Understanding and clarity, stay updated online
Zalo	documentation, announcements	Project team, Clients, Users	Understanding and clarity, stay updated online

Escalation Process

Decider	How	Transparency	Feedback Loop
Project manager	The Project Manager has the authority to make decisions regarding project-related issues. Via confluence, offline conversation, Messenger	The Project Manager communicates decisions clearly to all relevant stakeholders, ensuring transparency in the escalation process.	Regular project status meetings and progress reports provide an opportunity for stakeholders to provide feedback and raise concerns.
Client Representative	The designated client representative has the authority to decide on matters related to client requirements and expectations.	The client representative ensures transparency by promptly communicating their decisions to the project team and other stakeholders.	Regular client meetings and progress reviews allow for feedback and discussion on project deliverables and any concerns or issues raised by the client.

Continuous Improvement

Purpose	How	Standards
Identify areas for improvement	Conduct regular performance reviews and analysis to identify areas that require improvement.	Establish key performance indicators (KPIs) and benchmarks to measure performance and identify gaps.
Foster a culture of innovation	Encourage open communication and idea-sharing across teams and departments.	Set quality standards for innovation, such as promoting experimentation, risk-taking, and learning from failures.
Document and share best practices	Document successful improvement initiatives and share them with relevant teams and departments.	Develop standardized documentation and knowledge-sharing platforms to disseminate best practices and lessons learned.

7. Team member underperformance

✉ Sample email

From: John Doe

To: Nguyen Tran Yen Binh

CC: Vu Hai Phuong Linh, Vu Minh Duc, Vu Xuan Sang, Tran Duy Minh

Date: 1 October 2023

Subject: Performance Improvement Plan

Dear Nguyen Tran Yen Binh,

The purpose of this letter is to clarify expectations regarding your role, document performance issues that are preventing you from meeting those expectations, and give you the opportunity to address those issues and raise your performance to a satisfactory level.

Starting on 20 September, you are being placed on a performance improvement plan to address the issues outlined below. Over the next few days, you must constructively address these concerns and meet all expectations for performance. If you don't make adequate progress or we identify additional problems, we may terminate your employment at Owo Company

Review the information outlined below and ask me if you have any questions. I will meet with you regularly to review your progress, offer guidance, and provide feedback on your performance. For your next meeting, please prepare an action plan explaining how you plan to meet the expectations outlined below and what steps you will take during this period to improve your performance.

If you have questions about your performance improvement plan, please feel free to contact me or your HR Business Partner, John Doe, at John@work.com

💡 Performance improvement plan for

Expectation	Deficit	Example
Establish clear performance expectations for team members. These must be measurable, attainable, and in line with the organization's objectives.	Incorrectly diagnosed areas or behaviors in which team members fail to satisfy these standards	The deadline for Binhis the 24th, which is quite near to the deadline for submitting it to instructors. However, you submitted it late, which impacted the group's submission time. The entire group was eliminated.
💡 Objective: Define and communicate precise, measurable performance goals for the employee to accomplish or exceed.		
Expectation	Deficit	Example
To guarantee growth, ensure that members	Mention any previous performance discussions	Binh was absent-minded and inattentive throughout the first encounter. As a result, you do not complete

provide input on a regular basis.	or suggestions that did not result in the expected improvements.	the group's work, and the members must continue to assist her greatly. Work progress has also slowed dramatically.
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 **Objective:**

Throughout the project, require all members to accept responsibility and commit to receiving and processing information.

Manager signature	John Doe
Employee signature	Nguyen Tran Yen Binh
Date	1 October 2023

B. Team Meetings

B. 1. 2023-09-14/7 Meeting notes

Date

14 Sept 2023

Participants

- @Vu Xuan Sang (Swinburne HN)
- @Vu Minh Duc (Swinburne HN)
- @Tran Duy Minh (Swinburne HN)
- @Vu Hai Phuong Linh (Swinburne HN)
- @Nguyen Tran Yen Binh (Swinburne HN)

Goals

- Explore confluence
- Do workshop

Discussion topics

Time	Item	Presenter	Notes
2 hours	Confluence, At Class	@Vu Xuan Sang (Swinburne HN) @Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN)	Explore Confluence and do the workshop

2. 2023-09-21 Meeting notes

Date

21 Sept 2023

Participants

- @Vu Xuan Sang (Swinburne HN)
- @Vu Minh Duc (Swinburne HN)
- @Tran Duy Minh (Swinburne HN)
- @Vu Hai Phuong Linh (Swinburne HN)
- @Nguyen Tran Yen Binh (Swinburne HN)

Goals

- Polish pages
- Starting project proposal

Discussion topics

Time	Item	Presenter	Notes
2 hours	Confluence, At Class	@Vu Xuan Sang (Swinburne HN) @Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN)	Read project proposal, check detail and requirement. Discuss how to do, check video of stakeholder. Plan out most parts and deadline to finish each parts

3. 2023-09-27 Meeting notes

Date

27 Sept 2023

Participants

- @Vu Xuan Sang (Swinburne HN)
- @Vu Minh Duc (Swinburne HN)
- @Tran Duy Minh (Swinburne HN)
- @Vu Hai Phuong Linh (Swinburne HN)
- @Nguyen Tran Yen Binh (Swinburne HN)

Goals

- Prepare pages
- Work on project proposal

Discussion topics

Time	Item	Presenter	Notes
30 minutes	Confluence	@Vu Xuan Sang (Swinburne HN)	Done Prepare meeting notes
30 minutes	Confluence	@Vu Minh Duc (Swinburne HN)	Done Create templates for each page
30 minutes	Confluence	@Tran Duy Minh (Swinburne HN)	Done Empathy map
30 minutes	Confluence	@Vu Hai Phuong Linh (Swinburne HN)	Done Identify team members' roles and responsibilities, Risk assessment
30 minutes	Confluence	@Nguyen Tran Yen Binh (Swinburne HN)	Done Risk assessment

4. 2023-09-28 Meeting notes

Date

28 Sept 2023

Participants

- @Vu Xuan Sang (Swinburne HN)
- @Vu Minh Duc (Swinburne HN)
- @Tran Duy Minh (Swinburne HN)
- @Vu Hai Phuong Linh (Swinburne HN)
- @Nguyen Tran Yen Binh (Swinburne HN)

Goals

- Prepare pages
- Work on project proposal

Discussion topics

Time	Item	Presenter	Notes
30 minutes	Confluence	@Vu Xuan Sang (Swinburne HN)	Done improving team and member homepage
30 minutes	Confluence	@Vu Minh Duc (Swinburne HN)	Done product requirement
30 minutes	Confluence	@Tran Duy Minh (Swinburne HN)	Done ER diagram
30 minutes	Confluence	@Vu Hai Phuong Linh (Swinburne HN)	Done Persona
30 minutes	Confluence	@Nguyen Tran Yen Binh (Swinburne HN)	Done project plan

5. 2023-09-29 Meeting notes

Date

29 Sept 2023

Participants

- @Vu Xuan Sang (Swinburne HN)
- @Vu Minh Duc (Swinburne HN)
- @Tran Duy Minh (Swinburne HN)
- @Vu Hai Phuong Linh (Swinburne HN)
- @Nguyen Tran Yen Binh (Swinburne HN)

Goals

- Finish and improve pages
- Discuss on important ideas

Discussion topics

Time	Item	Presenter	Notes
2 hours	Confluence, Messenger, Google Meet	@Vu Xuan Sang (Swinburne HN) @Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN)	Call and do Project Proposal. Check progress of every members and help each other when there problems, discuss some important part like Empathy Map, ER diagram and more

6. 2023-09-30 Meeting notes

Date

30 Sept 2023

Participants

- @Vu Xuan Sang (Swinburne HN)
- @Vu Minh Duc (Swinburne HN)
- @Tran Duy Minh (Swinburne HN)
- @Vu Hai Phuong Linh (Swinburne HN)
- @Nguyen Tran Yen Binh (Swinburne HN)

Goals

- Finish Project Proposal
- Submit Project Proposal

Discussion topics

Time	Item	Presenter	Notes
40 minutes	Confluence, Messenger, Google Meet	@Vu Xuan Sang (Swinburne HN) @Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN)	Check pages on deadline, fix and change some parts, improve pages. Discuss more and prepare to export PDF and submit the work.

7. 2023-10-14 Meeting notes

Date

30 Sept 2023

Participants

- @Vu Xuan Sang (Swinburne HN)
- @Vu Minh Duc (Swinburne HN)
- @Tran Duy Minh (Swinburne HN)
- @Vu Hai Phuong Linh (Swinburne HN)
- @Nguyen Tran Yen Binh (Swinburne HN)

Goals

- Finish Project Proposal
- Submit Project Proposal

Discussion topics

Time	Item	Presenter	Notes
40 minutes	Confluence, Messenger, Google Meet	@Vu Xuan Sang (Swinburne HN) @Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN)	Fix Confluence, Jira, Discuss the web application

8. 2023-10-21 Meeting notes

Date

30 Sept 2023

Participants

- @Vu Xuan Sang (Swinburne HN)
- @Vu Minh Duc (Swinburne HN)
- @Tran Duy Minh (Swinburne HN)
- @Vu Hai Phuong Linh (Swinburne HN)
- @Nguyen Tran Yen Binh (Swinburne HN)

Goals

- Finish Project Proposal
- Submit Project Proposal

Discussion topics

Time	Item	Presenter	Notes
40 minutes	Confluence, Messenger, Google Meet	@Vu Xuan Sang (Swinburne HN) @Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN)	Discuss database according to stakeholder information, refine ER diagram and database

9. 2023-11-2 Meeting notes

Date

30 Sept 2023

Participants

- @Vu Xuan Sang (Swinburne HN)
- @Vu Minh Duc (Swinburne HN)
- @Tran Duy Minh (Swinburne HN)
- @Vu Hai Phuong Linh (Swinburne HN)
- @Nguyen Tran Yen Binh (Swinburne HN)

Goals

- Finish Project Proposal
- Submit Project Proposal

Discussion topics

Time	Item	Presenter	Notes
40 minutes	Confluence, Messenger, Google Meet	@Vu Xuan Sang (Swinburne HN) @Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN)	Done the prototype of the web application, plan to import the database in

C. Project Plan

Driver	@Tran Duy Minh (Swinburne HN)
Approver	@Vu Minh Duc (Swinburne HN)
Contributors	@Vu Xuan Sang (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN)
Informed	@Tran Duy Minh (Swinburne HN)
Objective	By providing a user-friendly platform for searching, applying, and communicating with potential employers, the website connects job searchers with employment prospects. These services seek to help organizations locate the right talent by providing tools to publish job postings, analyze applications, and effectively manage the recruitment process.
Due date	30 November 2023
Key outcomes	<ol style="list-style-type: none"> 1. Diversity of job placement rates: Users can easily see the amount of job placements made using the site, including full-time and part-time roles, as well as temporary positions time. 2. Ensuring data information security and privacy: Monitoring the platform's capacity to protect user data and preserve confidence by tracking security events, data criticism, and related user concerns about privacy. 3. Good Candidate and Recruiter Feedback: Drive to improve by collecting feedback from job seekers and employers about their platform experience. 4. Good user retention and satisfaction: Ensure that job seekers and employers are happy with your features and services communication via user surveys 5. Good revenue and stable profitability: Stable income earned by premium job listings, advertising, some fees, or other monetization tactics to ensure the platform's long-term viability and financial growth. 6. Competitive position: After assessing the platform's market share and competitive situation in the online recruitment and job search business, achieve a high position in the recruitment industry.
Status	IN PROGRESS

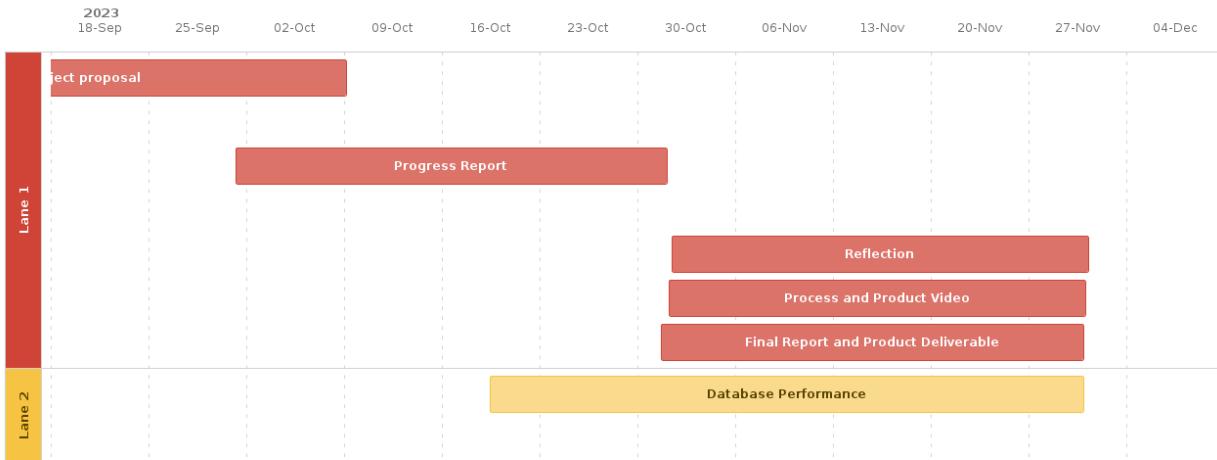
💡 Problem Statement

We think that users will encounter a few issues while managing their profiles. Employers, in particular, may have difficulties assessing the list of candidates who have applied, and applicants may have problems determining which companies have received their applications. We believe the database we propose in our Diagram will be beneficial to them. We are certain that we will be successful if all of the functionalities listed in the project are reproduced in our system.

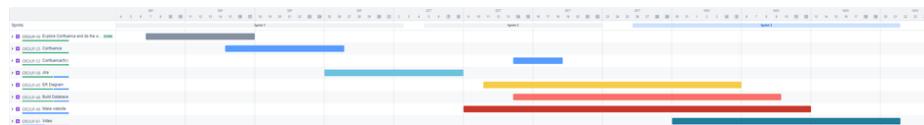
🎯 Scope

Must have:	<ul style="list-style-type: none"> Website: Simple, clear, and easy-to-use interface with a comprehensive range of simple, clear, and easy-to-use services for companies and job searchers. Job seekers: Can easily find information on jobs, JDs, employers, and recruiting firms. Furthermore, users can design their own CVs and send them straight to employers via the Internet. Employers: Can quickly post job profiles and aggressively seek qualified applicants. They may also manage the number of CVs visually using simple actions.
Nice to have:	<ul style="list-style-type: none"> Customization options: Features that allow visitors to change the background color or font of particular website elements to fit their preferences. Improvements: Additional features or enhancements that, resources and time permitting, could be included to enhance the value of the project. Additional language support: Provide multiple language options if the project's primary audience is diverse. Interface design for advanced users: High-quality design elements can improve the user experience.
Not in scope:	<ul style="list-style-type: none"> Advanced features with restricted resources: Features that are overly intricate and are not feasible within the project's restrictions.

📅 Timeline



Update:



▶ Milestones and deadlines

Milestone	Owner	Deadline	Status
Project plan	@Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN) @Vu Xuan Sang (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN)	1 Oct 2023	GROUP -25: Conference DONE
Progress Report	@Nguyen Tran Yen Binh (Swinburne HN) @Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Vu Xuan Sang (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN)	22 Oct 2023	DONE
Database Design	@Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Vu Xuan Sang (Swinburne HN)	12 Nov 2023	DONE
Database Function	@Nguyen Tran Yen Binh (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN)	12 Nov 2023	DONE
Presenting slides	@Nguyen Tran Yen Binh (Swinburne HN) @Vu Minh Duc (Swinburne HN)	12 Nov 2023	DONE
Product video	@Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN) @Vu Xuan Sang (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN)	26 Nov 2023	DONE
Final Report	@Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN) @Vu Xuan Sang (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN)	26 Nov 2023	DONE

📎 Reference materials

D. Roles and Responsibilities

📋 Overview

Identify and discuss team responsibilities by following the instructions for the [Roles and Responsibilities Play](#).

Team	Team 5
Team members	@Tran Duy Minh (Swinburne HN) @Vu Minh Duc (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN) @Vu Xuan Sang (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN)
Date	September 2023
Team mission	Create a Confluence space

📘 Roles and responsibilities

Roles	Responsibilities (what others think)	Responsibilities (what I think)	Assign role
Team lead	<ul style="list-style-type: none"> Assign tasks for team members. Lead the team. Be the main communicator of the team. Motivate members Summit the assignment 	<ul style="list-style-type: none"> Time management. Members management. Summarize the information found by the team members. Resolve issue that occur Give feedback to members' work 	@Tran Duy Minh (Swinburne HN)
Web Developer + Software Developer	<ul style="list-style-type: none"> Develop a web and ensure the web is polished. Ensure the software is efficient, no problem for users to use. 	<ul style="list-style-type: none"> Manage the database. Focus on teamwork, discuss with other dev. Understand the users experience and apply it accordingly. 	@Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN)
Producer	<ul style="list-style-type: none"> Marketing the product. Make schedule for other members so they coordinate with each other. Make schedule for meetings. 	<ul style="list-style-type: none"> Ask for sponsor and funds. Manage the budget for every part of the project. Communicate with clients . 	@Nguyen Tran Yen Binh (Swinburne HN)
Designer	<ul style="list-style-type: none"> Design visual like poster, ads, webpage, Understand how to capture audiences attention. Plan concept by studying relevant materials. 	<ul style="list-style-type: none"> Know what environment clients want. Use appropriate colors and layout for each graphics. 	@Vu Hai Phuong Linh (Swinburne HN)

Editor	<ul style="list-style-type: none"> Find and take pictures of relevant contents to the project. Use pictures, videos and existing materials and edit to make advertisement. 	<ul style="list-style-type: none"> Show brief overview of the product and try to capture audience attention. 	@Vu Xuan Sang (Swinburne HN)
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Unassigned responsibilities

- Think of ideas.
- Find the information.
- Create plan first.
- Teamwork and communication.

E. Risk management matrix

Background

Risks management

Identify and prioritize risks based on their probability and severity. Then define what further actions you need to take to control the risks, and who needs to carry out these actions.

Risk rating

	Risk	Solution	
A	Lack of Credibility and Portfolio	Low credibility and lack of portfolios may result in difficulties in securing sponsorships and funding.	
B	Limited Human Resources	The small-scale nature of the business with low human resources may limit flexibility and the ability to handle large or growing projects.	
C	User Experience Design	Risks management: Poor user experience design may negatively impact customer satisfaction and engagement.	
D	Data Management	Poor organization of data, lack of information management, and failure to handle feedback effectively.	
E	Language Barrier	Difficulties in communication due to the language barrier may hinder effective client interaction.	
F	Connection Issues	Challenges related to network connectivity and time zones may result in communication difficulties with clients.	
G	Security	Cybersecurity threats, inadequate password encryption, and potential data breaches.	
H	Maintenance	Potential bugs and issues that may require immediate attention and regular testing.	

I	Accessibility for the impaired	Failure to adhere to accessibility standards, resulting in limited access for impaired users.	
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LIKELIHOOD	SEVERITY			
	ACCEPTABLE <i>Little to no effect on event</i>	TOLERABLE <i>Effects are felt, but not critical to outcome</i>	UNDESIRABLE <i>Serious impact to the course of action and outcome</i>	INTOLERABLE <i>Could result in disaster</i>
IMPROBABLE <i>Risk is unlikely to occur</i>	I	E	H	G
POSSIBLE <i>Risk will likely occur</i>	C	D	F	
PROBABLE <i>Risk will occur</i>			B	A

F. Persona and Empathy Map



Persona name	John Doe
Persona role	Corporate Executive
Job description	The person who ensures set goals of the company and in charge of financial sustainability. Their responsibilities include setting objectives and work process, implement policies, and allocate appropriate resources.

🏢 Company

Company name	Owo corp
Company size	1000-1500 employees.
Industry	Technology, information and internet.

👤 Demographic information

Age	49
Gender	Male
Income	110000 AUD per year
Education level	Master degree (technology engineering)
Residential environment	urban

Personal quote

If you don't have a competitive advantage, don't compete.

Biography

Born from a prestigious family in Australia, John work as a chief officer at his father's company for 7 years being responsible for sales and management. He then cofounded the company in 1996.

Professional goals	Motivators
<ul style="list-style-type: none">• Improve company productivity, cut company costs and streamline operations.	<ul style="list-style-type: none">• High reputation in the tech industry sources of information: techcrunch, cnet, theverge.
Challenges	Souces of information
<ul style="list-style-type: none">• Have trouble to personally manage the company due to its scale.	TechCrunch, CNET

Company's Requirements

- Objective: Create a user-friendly database storing customer's tech purchases, with their personal information secured using encrypted data protection
- Requirement 1: User satisfaction, easy to use database accessible to user of all ages, genders, with disabilities.
- Requirement 2: Data encryption, data stored is inaccessible to everyone, and follows the security guidelines

Empathy map

Says:

- "I need to outsmart my competitors"
- "How do I cut down on company costs?"

Does:

- Does research, build relationships between fields to remain informed of the current world
- Be responsible of guiding and make decisions of the company

Thinks and Feels:

- Competitive and motivated about the company technological capabilities
- Overwhelmed with multiple responsibilities regarding managing the company
- Concerned about potential environmental damages

Hears:

- Feedback from customers, investors, stakeholders, and the media
- The latest news regarding technological and AI development
- Internal feedback from company's staff and managers

Pains:

- Stress from over-working, decision-making, external expectations, upkeep reputation,... that ensues from being CEO
- Ever-growing and advancement of technology, leading to difficulties in keeping up and remain sustainable
- Scalability of the company, with each growth becoming harder to manage
- Budgeting funds and make smart investment without jeopardizing the company's growing success

Gains:

- Positive impact on the technological field
- High revenue, higher income
- Personal growth: management skills, leadership skills, and charisma
- Building relationships with important faces in the same field

G. Product Requirements

Target release	1 Oct 2023
Epic	Type /Jira to add Jira epics and issues
Document status	ON-GOING
Document owner	@Vu Minh Duc (Swinburne HN)
Designer	@Vu Hai Phuong Linh (Swinburne HN)
Tech lead	@Tran Duy Minh (Swinburne HN)
Technical writers	@Vu Xuan Sang (Swinburne HN)
QA	@Nguyen Tran Yen Binh (Swinburne HN)

🎯 Objective

Building a web-based Recruitment System

📊 Success metrics

Goal	Metric
Boost the effectiveness of the hiring process	<ul style="list-style-type: none"> -Time-to-hire: Calculate the typical amount of time it takes to fill a position, from the time it is posted until the chosen candidate accepts it. -Cost-per-hire: Determine the typical cost associated with each new job while taking into account hiring-related costs including advertising, agency fees, and software licensing.
Enhancing consumer pleasure and experience	<ul style="list-style-type: none"> -User feedback ratings: Collect input from candidates and recruiters via surveys or interviews to determine how satisfied they are with the functionality, features, and overall experience of the recruiting system. -User adoption rate: Evaluate the extent to which recruiters are utilizing and relying on the web-based recruiting system for their hiring requirements.
Ensure data accuracy and compliance	<ul style="list-style-type: none"> -Data correctness rate: Evaluate the veracity of candidate data recorded in the system by routine audits or by contrasting system data with data from outside sources. -Compliance rate: Track the amount of reported incidents or breaches in order to assess how well local privacy rules or the GDPR are being followed. If required, corrective action should be taken.

Assumptions

Users:

- Most users are hiring managers, recruiters, and HR professionals.
- Users are familiar with web-based apps and have a basic understanding of computers.
- Users anticipate a simple, user-friendly interface for effective workflow management and simple navigation.
- During the hiring process, users must have safe access to applicant data and be able to communicate with other team members.

Technical Limitations:

- A particular programming language or framework (such as Python/Django, Java/Spring, or Ruby on Rails) will be used to create the recruiting system.
- The system will be housed on a cloud platform (like AWS or Azure) with concerns for scalability and high availability.
- Integration with current HR systems, such as HRIS or applicant tracking systems, can be necessary.
- The system must abide by data security and privacy laws, which include safe authentication methods and encryption of sensitive data.

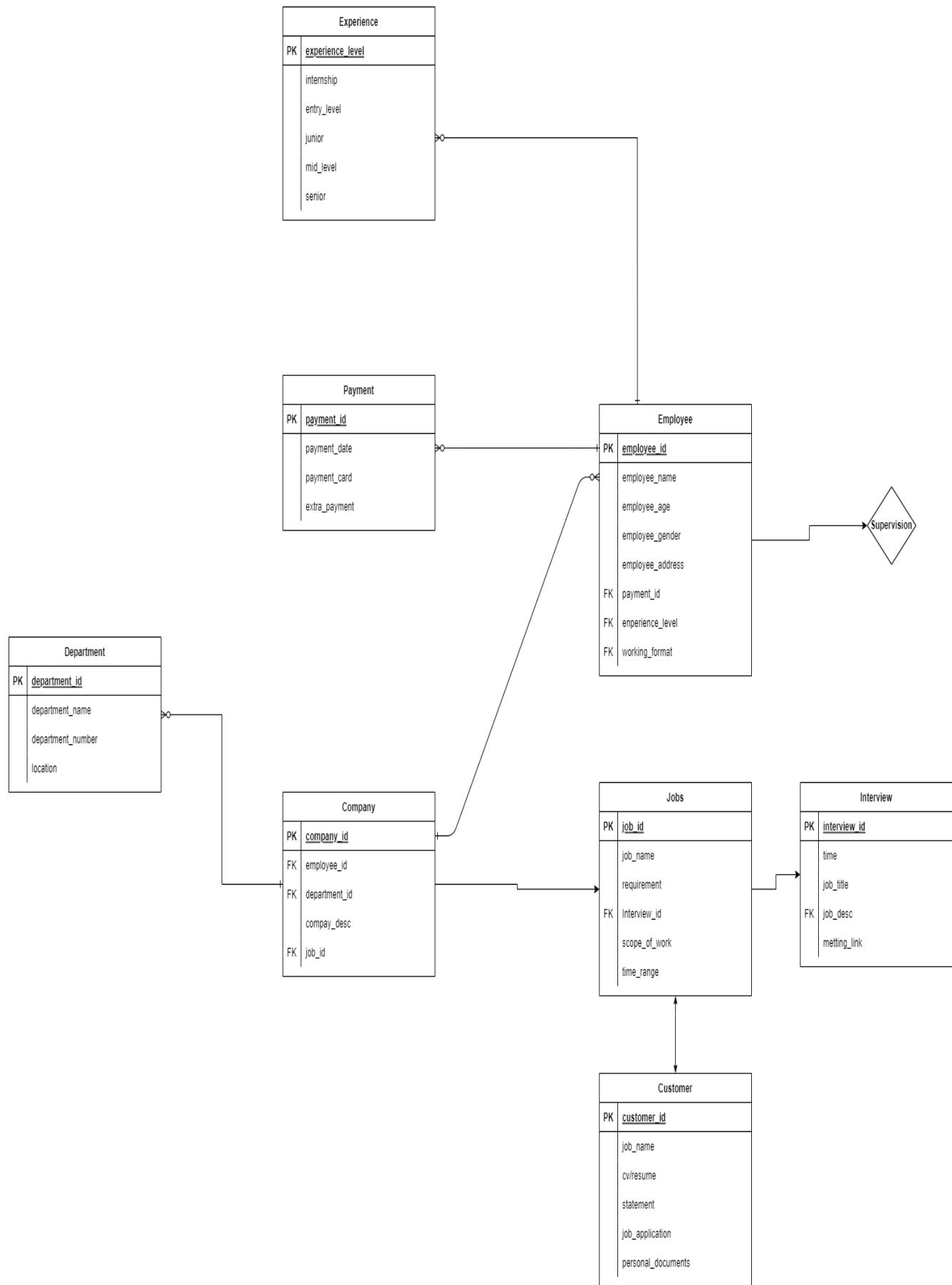
Business Objectives:

- Streamline the hiring procedure to save time and effort on manual chores like interview scheduling and resume screening.
- By recruiting and locating competent individuals that match the organization's culture and job needs, you may raise the caliber of the hires you make.
- Increase the effectiveness of cooperation and communication between recruiters, hiring managers, and other hiring process participants.
- By offering a favorable applicant experience and conveying a professional image throughout the recruiting process, you may strengthen your employer brand.
- To assess hiring success, locate bottlenecks, and make data-driven decisions for process improvement, generate useful data and analytics.

Out of Scope

1. Payroll Management
2. Performance Management
3. Learning and Development
4. Onboarding and Offboarding
5. Time and Attendance Tracking

H. ER Diagram Prototype



TEAM HEALTH MONITOR

Team name	Group 5
Sponsor	Group 5
Health monitor cadence	Twice a week

👤👤 Team health assessment

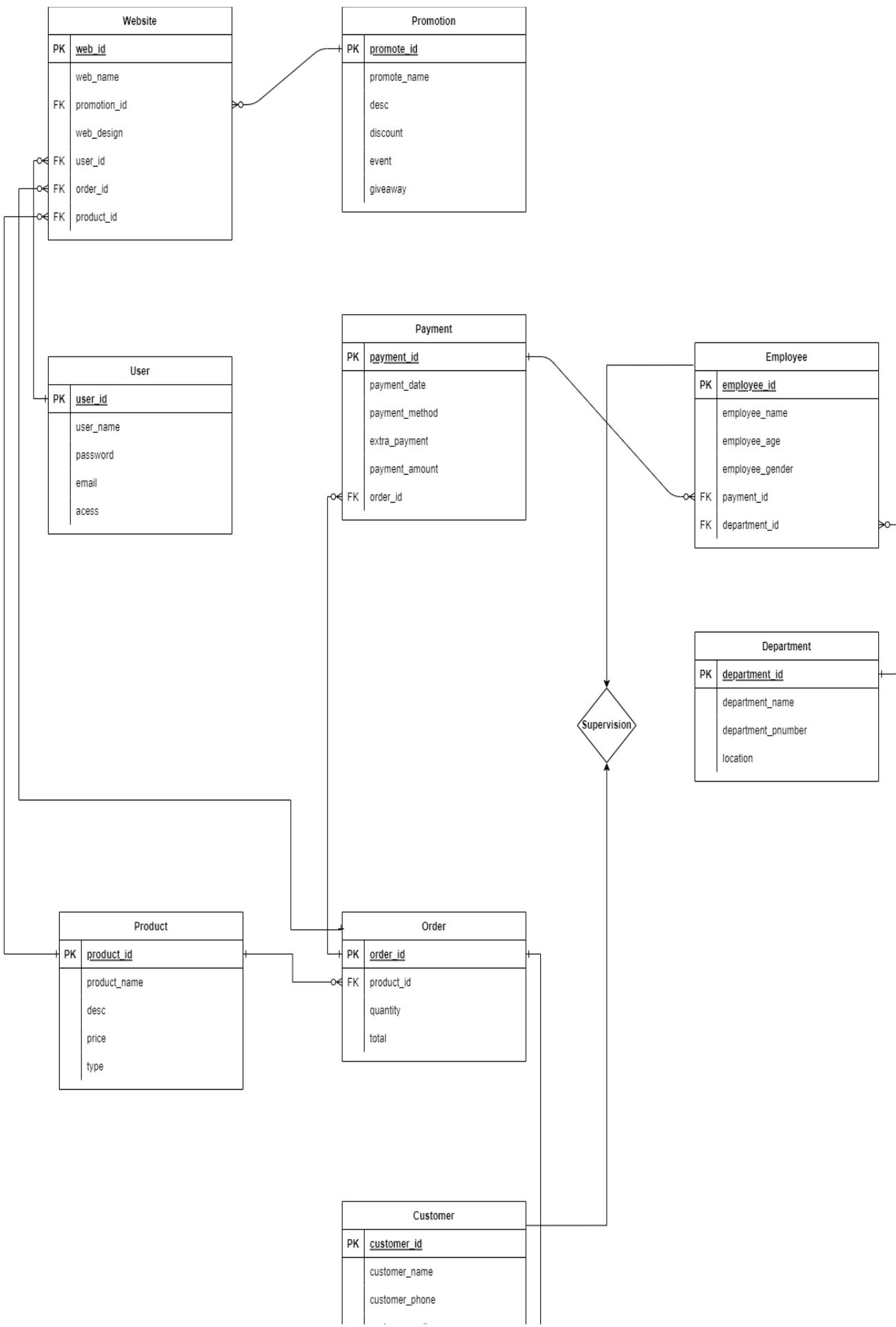
Area	22/10/2023	11/11/2023	25/11/2023
 Full-time owner There is one lead who is accountable for the result of this project. This needs to be someone whose time is at least 80% dedicated to it, and who can champion the mission inside and outside of the team.	Tran Duy Minh is the full-time proprietor of my project, and he is in charge of the team's products. Nothing seems to worry or overwhelm him, and he is always serene.	Due to his exceptional stability, Duy Minh makes an excellent team leader who consistently senses the project's speed and ensures that it is completed on time.	Duy Minh still handles the project very well, the quality of the members' work as well as the group's relationship.
 Balanced team Roles and responsibilities are clear and agreed upon. The project has people with the right blend of skill set. Acknowledge that team members can change by stage.	We always split tasks precisely, and everyone understands their responsibilities, so we can work efficiently. Even when unanticipated challenges arise, my team remains cool enough to identify and resolve the issue.	To ensure that we can operate effectively, we constantly divide jobs accurately and everyone is aware of their obligations. Unexpected obstacles notwithstanding, my team maintains the composure to recognize and fix the problem.	Every member understands their task clearly, self-deploys, and turns in their work by the deadline. In the event that challenges arise or the caliber of the job falls short of expectations, members will provide comments and adjustments to one another.
 Shared understanding The team has a common understanding of why they're here , the problem/need, are convinced about the idea, confident they have what they need, and trust each other.	All team members are aware of the duties that must be completed, however there are a few areas in the project that are not clearly linked. We are currently listening and attempting to fully comprehend what we are totally doing.	Participants are completely aware of the project and their responsibilities. Every aspect of the project is well discussed, and every person is aware of it.	The participants have a thorough comprehension of every aspect of the project and are completely engrossed in its complexities. Thorough conversations have made sure that everyone is aware of their roles and duties, which has created a feeling of collaborative steadfast concentration on the project.

 Value and metrics It's clear what success means from a business and user's perspective, and there is a unique value proposition in place for the target users and to the business. Success is defined, with a goal, and how it will be measured.	We have a clear definition of measure success. Our KPIs are properly recorded and are periodically updated.	Members recognize that the project's value lies in facilitating users' job searches. We are creating it step by step after determining which components must be incorporated.	After completing the project, we are currently awaiting feedback about the values of this project from academics and instructors.
 Proof of concept Some sort of demonstration has been created and tested, that demonstrates why this problem needs to be solved, and demonstrates its value.	We talked a lot about the idea and worked out certain details. A full explanation for stakeholders, on the other hand, is still being worked out.	My team as a whole has approved the concept, decided how to carry out certain project components, and is now getting started.	The concept is finished and applied to a particular project. We are awaiting academics' comments.
 One-pager The project is summarized in a one-pager and shared with anyone so that they understand the purpose of the project, and its value.	My team's one-pager is the Project Plan page on Confluence space.	The Project Plan page on Confluence space is my team's one-pager.	Our one-pager is the Project Plan page on Confluence space.
 Managed dependencies Clear understanding of complexity, infrastructure involved, risks, resources, effort, and timeline. Clear understanding of who we depend on, and who depends on us.	It's currently perfectly fine. However, there is considerable concern about the pieces' full connection. This will deteriorate if my team is unable to establish communication channels with partner teams.	There are several tasks involved in this project, such as building the website and database, which makes it rather complex. Thus, the coder's workload will increase.	We finished the project jointly in the end, despite the fact that it needed intricacy, took a while, and had limited resources.
 Velocity The team is making incremental progress by shipping concrete iterations to stakeholders (and, even better, to production), learning along the way, and implementing lessons learned , resulting in greater success.	Our progress is going correctly expected with the appropriate measures and completed the portions in the allotted time.	We are making the proper progress as anticipated, taking the necessary precautions, and finishing the tasks within the allocated time.	On-time project progress is assured. Members get a great deal of knowledge about communication and teamwork challenges in addition to managing projects and learning about academic subjects.

🎯 Focus areas

Date	Focus areas and action items
22/10/2023	<p>1. PERSONA AND EMPATHY MAP Work again on these because there was a comment complaining about this part.</p> <p>2. ER Diagram Fix and fully complete it</p>
2/11/2023	Done the prototype of web application
25/11/2023	Done all parts

H2. ER Diagram Final



	customer_mail	
	customer_location	
FK	order_id	>0

Design database

Job finding database

Table	Action	Rows	Type	Collation	Size	Overhead
customer	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 Kib	-
department	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 Kib	-
employee	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	48.0 Kib	-
oder	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	32.0 Kib	-
payment	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	32.0 Kib	-
product	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	16.0 Kib	-
promotion	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 Kib	-
user	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 Kib	-
website	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	80.0 Kib	-
9 tables Sum		15	InnoDB	utf8mb4_general_ci	288.0 Kib	0 B

Table Design

Principle two	Principle three
<p>User table</p>	<pre>CREATE TABLE `user` (`user_id` int(50) NOT NULL AUTO_INCREMENT, `user_name` varchar(255) NOT NULL, `password` varchar(255) NOT NULL, `email` varchar(255) NOT NULL, PRIMARY KEY (`user_id`))</pre>
<p>Customer table</p>	<pre>CREATE TABLE `customer` (`customer_id` int(50) NOT NULL AUTO_INCREMENT, `customer_name` varchar(255) NOT NULL, `customer_phone` int(50) NOT NULL, `customer_mail` varchar(255) NOT NULL, `customer_location` varchar(255) NOT NULL, `order_id` int(50) NOT NULL, PRIMARY KEY (`customer_id`), KEY `order_id` (`order_id`), CONSTRAINT `customer_ibfk_1` FOREIGN KEY (`order_id`) REFERENCES `oder` (`order_id`))</pre>
<p>Product table</p>	<pre>CREATE TABLE `product` (`product_id` int(50) NOT NULL AUTO_INCREMENT, `product_name` varchar(255) NOT NULL, `decs` varchar(255) NOT NULL, `quantity` int(50) NOT NULL, `price` int(50) NOT NULL, `type` varchar(255) NOT NULL, PRIMARY KEY (`product_id`))</pre>

Order table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	order_id	int(50)		No	None	AUTO_INCREMENT			
2	price	int(50)		No	None				
3	quantity	int(50)		No	None				
4	total	int(50)		No	None				
5	product_id	int(50)		No	None				
6	status	varchar(255)	utf8mb4_general_ci	No	None				

Payment table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	payment_id	int(50)		No	None	AUTO_INCREMENT			
2	payment_date	date		No	None				
3	payment_method	varchar(255)	utf8mb4_general_ci	No	None				
4	tip	int(50)		No	None				
5	payment_amount	int(50)		No	None				
6	order_id	int(50)		No	None				

Employee table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	employee_id	int(50)		No	None	AUTO_INCREMENT			
2	employee_name	varchar(255)	utf8mb4_general_ci	No	None				
3	employee_age	int(50)		No	None				
4	employee_gender	varchar(255)	utf8mb4_general_ci	No	None				
5	payment_id	int(50)		No	None				
6	department_id	int(50)		No	None				

Department table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	department_id	int(50)		No	None	AUTO_INCREMENT			
2	department_name	varchar(255)	utf8mb4_general_ci	No	None				
3	department_pnumber	int(50)		No	None				
4	location	varchar(255)	utf8mb4_general_ci	No	None				

PRIMARY KEY (`product_id`)

)

```
CREATE TABLE `oder` (
`order_id` int(50) NOT NULL,
`price` int(50) NOT NULL,
`quantity` int(50) NOT NULL,
`total` int(50) NOT NULL,
`product_id` int(50) NOT NULL,
PRIMARY KEY (`order_id`),
KEY `order_od_prod` (`product_id`),
CONSTRAINT `order_od_prod` FOREIGN KEY
(`product_id`) REFERENCES `product`(`product_id`)
)
```

```
CREATE TABLE `payment` (
`payment_id` int(50) NOT NULL
AUTO_INCREMENT,
`payment_date` date NOT NULL,
`payment_method` varchar(255) NOT NULL,
`tip` int(50) NOT NULL,
`payment_amount` int(50) NOT NULL,
`order_id` int(50) NOT NULL,
PRIMARY KEY (`payment_id`),
KEY `pay_of_order` (`order_id`),
CONSTRAINT `pay_of_order` FOREIGN KEY
(`order_id`) REFERENCES `oder`(`order_id`)
)
```

```
CREATE TABLE `employee` (
`employee_id` int(50) NOT NULL
AUTO_INCREMENT,
`employee_name` varchar(255) NOT NULL,
`employee_age` int(50) NOT NULL,
`employee_gender` varchar(255) NOT NULL,
`payment_id` int(50) NOT NULL,
`department_id` int(50) NOT NULL,
PRIMARY KEY (`employee_id`),
KEY `employee_department` (`department_id`),
KEY `employee_handle_payment` (`payment_id`),
CONSTRAINT `employee_department` FOREIGN
KEY (`department_id`) REFERENCES `department`(`department_id`),
CONSTRAINT `employee_handle_payment` FOREIGN
KEY (`payment_id`) REFERENCES `payment`(`payment_id`)
)
```

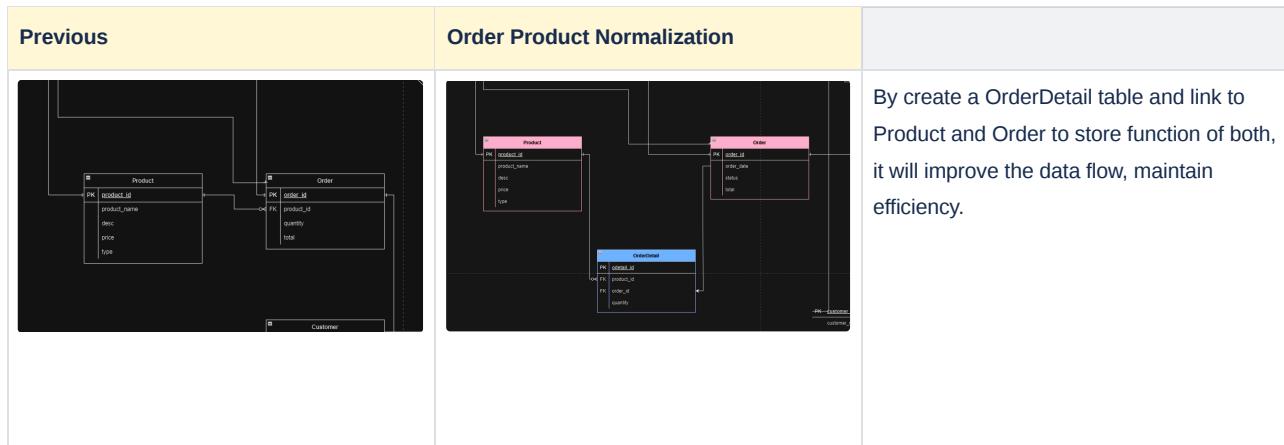
```
CREATE TABLE `department` (
`department_id` int(50) NOT NULL,
`department_name` varchar(255) NOT NULL,
`department_pnumber` int(50) NOT NULL,
`location` varchar(255) NOT NULL,
```

Department table

PRIMARY KEY ('department_id')

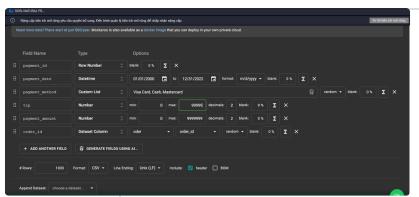
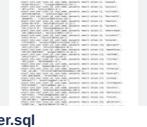
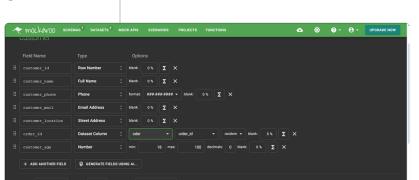
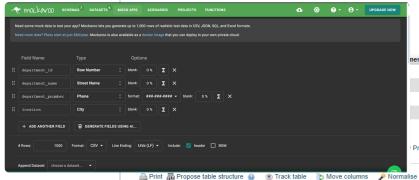
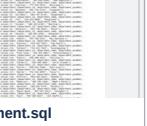
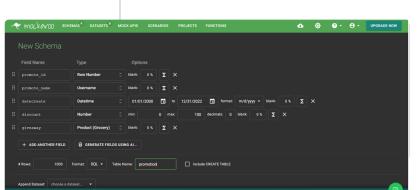
)

Normalization



Data Creation

Dummy Data	Document	Tool
generate data for order table	 	We use Mockaroo to create dummy data for tables in our database, by importing our tables into Mockaroo, defining Foreign Key and Generate, it gives us values for each table.
generate data for payment table		

	<p>payment.sql 22 Nov 2023, 03:22 pm</p> <pre> CREATE TABLE `promotion` (`promote_id` int(50) NOT NULL AUTO_INCREMENT, `promote_name` varchar(255) NOT NULL, `datecreate` date NOT NULL, `discount` int(50) NOT NULL, `giveaway` varchar(255) NOT NULL, PRIMARY KEY (`promote_id`)) </pre>
<p>generate data for user table</p> 	<p>user.sql 22 Nov 2023, 03:23 pm</p> 
<p>generate data for customer table</p> 	<p>customer(1).sql 22 Nov 2023, 03:23 pm</p> 
<p>generate data for department table</p> 	<p>department.sql 22 Nov 2023, 03:24 pm</p> 
<p>generate data for employee table</p> 	<p>employee.sql 22 Nov 2023, 03:24 pm</p> 
<p>generate data for promotion table</p> 	<p>promotion.sql 22 Nov 2023, 03:24 pm</p> 

Use cases

Use cases query	Result	Case
<pre> 1 SELECT d.department_name, d.department_number, d.location, COUNT(ep.payment_id) AS num_payments 2 FROM department d 3 LEFT JOIN employee e ON d.department_id = e.department_id 4 LEFT JOIN payment ep ON e.payment_id = ep.payment_id 5 GROUP BY d.department_name, d.department_number, d.location 6 ORDER BY num_payments DESC 7 </pre>	<p>Promotion table</p> <p>The screenshot shows a MySQL database interface with a table titled 'Promotion table'. The columns are 'department_name', 'department_number', 'location', and 'num_payments'. The data includes various departments like Sales, Marketing, Research, etc., across different locations like Canada, USA, etc. The 'num_payments' column shows the count of payments for each department.</p>	<h3>Department with number of payment ACS</h3>
<pre> 1 SELECT CASE 2 WHEN c.customer_age < 30 THEN 'Below 30' 3 WHEN c.customer_age BETWEEN 30 AND 50 THEN '30-50' 4 ELSE 'Above 50' 5 END AS age_group, 6 AVG(o.total) AS avg_order_total 7 FROM customer c 8 JOIN (9 SELECT order_id, total 10 FROM order 11) o ON c.order_id = o.order_id 12 GROUP BY age_group; 13 </pre>	<p>The screenshot shows a MySQL database interface with a table titled 'Age group by order'. The columns are 'age_group' and 'avg_order_total'. It shows three categories: 'Below 30', '30-50', and 'Above 50', along with their respective average order totals.</p>	<h3>Age group by order</h3>
<pre> 1 SELECT l.lineitem_id, l.order_date, l.lineitem_method, o.order_id, o.quantity, o.total, p.product_id, p.product_name, p.unit, l.lineitem_amount 2 FROM lineitem l 3 WHERE l.order_id = o.order_id 4 AND o.order_id = p.product_id 5 </pre>	<p>The screenshot shows a MySQL database interface with a table titled 'Checking order and payment status'. The columns are 'lineitem_id', 'order_date', 'lineitem_method', 'order_id', 'quantity', 'total', 'product_id', 'product_name', 'unit', and 'lineitem_amount'. It lists line items for specific orders and products.</p>	<h3>Checking order and payment status</h3>

Performance (Indexes)

Indexes	SQL
<p>Customer indexes</p>	<pre>CREATE UNIQUE INDEX customer_id ON customer; alter table customer add foreign key (order_id) references oder(order_id);</pre>
<p>User indexes</p>	<pre>CREATE UNIQUE INDEX user_id ON user;</pre>
	<pre>CREATE UNIQUE INDEX product_id ON product;</pre>

Product indexes

Actions

<Element name (e.g., Button)>

	Order indexes

```
CREATE UNIQUE INDEX order_id  
ON porder;  
  
alter table payment add foreign key  
(order_id) references order(order_id);
```

Indexes										
Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment	
Edit Rename Drop	PRIMARY	BTREE	Yes	No	payment_id	3	A	No		
Edit Rename Drop	pay_of_order	BTREE	No	No	order_id	3	A	No		

Payment indexes

```

CREATE UNIQUE INDEX employee_id
ON employee;

alter table employee add foreign key
(payment_id) references
payment(payment_id);

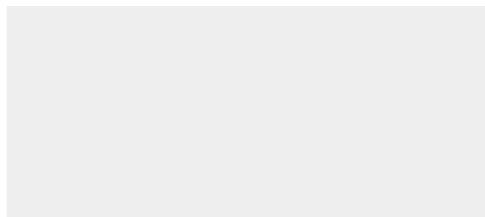
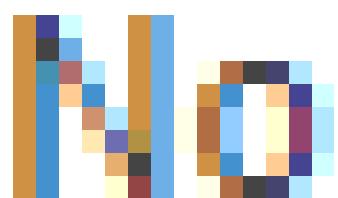
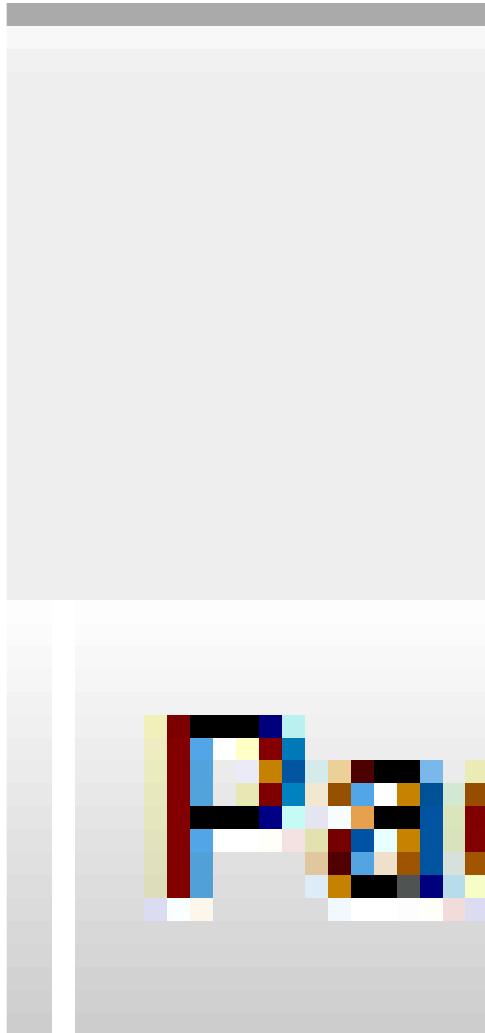
alter table employee add foreign key
(department_id) references
department(department_id);

```

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
✓ Edit	employee_pk	PRIMARY	BTREE	Yes	employee_id	2	A	No	
✓ Edit	employee_handle_payment	BTREE	No	No	payment_id	2	A	No	
✓ Edit	employee_department	BTREE	No	No	department_id	2	A	No	

Employee indexes

```
CREATE UNIQUE INDEX department_id  
ON department;
```



Department indexes

```
CREATE UNIQUE INDEX promote_id  
ON promotion;
```

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	promote_id	0	A	No	

Promotion indexes

```

CREATE UNIQUE INDEX website_id
ON website;

alter table website add foreign key
(promote_id) references
promote(promote_id);

alter table website add foreign key
(user_id) references user(user_id);

alter table website add foreign key
(product_id) references
product(product_id);

alter table website add foreign key
(order_id) references oder(order_id);

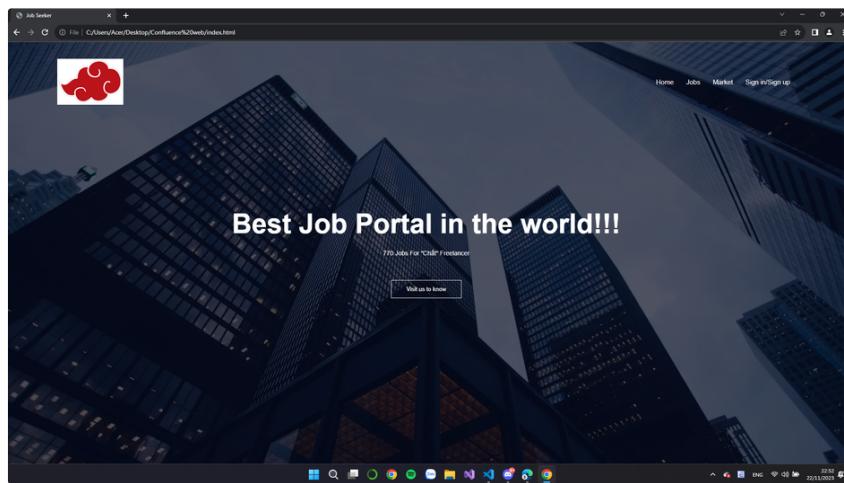
```

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Rename	Drop PRIMARY	BTREE	Yes	No	web_id	0	A	No	
Drop	promote_main	BTREE	No	No	promote_id	0	A	No	
Drop	user_main	BTREE	No	No	user_id	0	A	No	
Drop	product_main	BTREE	No	No	product_id	0	A	No	
Drop	order_main	BTREE	No	No	order_id	0	A	No	

	Website indexes

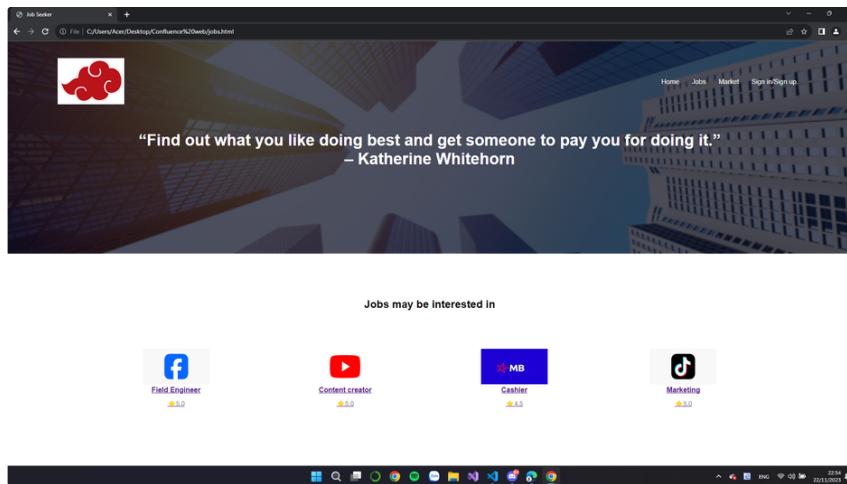
Job web

1. Homepage:



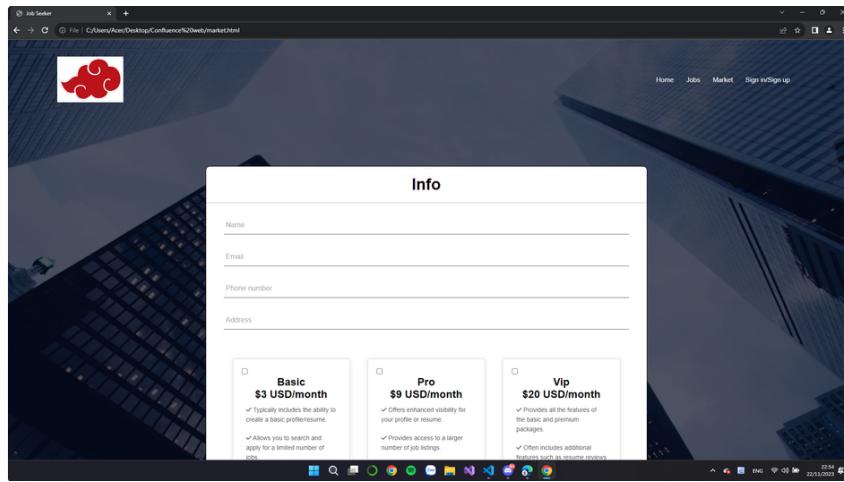
The homepage serves as the initial landing page for visitors, offering a snapshot of what the site is about. This page typically showcases featured job listings, highlights the key industries or sectors this platform covers, and might provide a brief overview of the benefits users can expect when using your service. Additionally, it often includes navigation options to guide users to other sections of the site, like job listings, the market page, and login/sign-up options.

2. Jobs



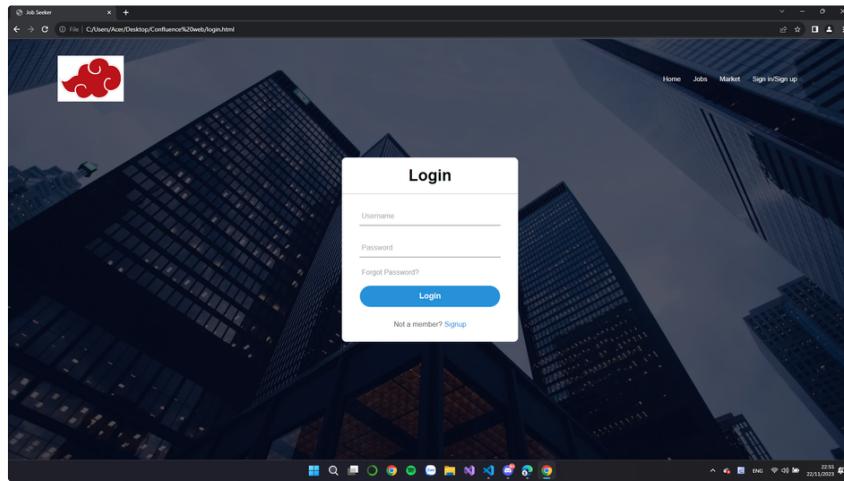
The job page is where users can search and explore available job listings. It includes search filters (such as location, job type, industry, etc.) to refine results based on user preferences. Each job listing contains essential details like the job title, company, description, requirements, and application instructions. Users can apply directly or save jobs for later viewing. This page is designed to facilitate a smooth and efficient job search experience for visitors.

3. Market



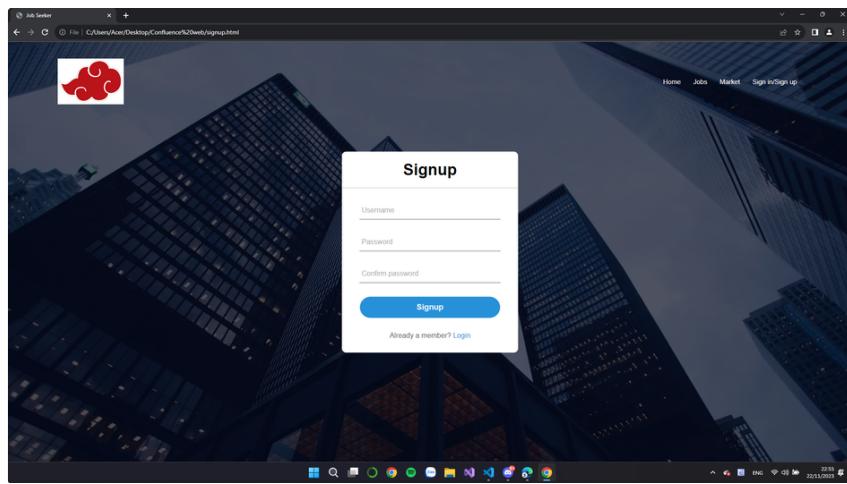
The market page could encompass various aspects, such as career resources, tools, or insights related to job searching, career development, or industry trends. It might feature articles, blog posts, guides, or even premium resources (if applicable) aimed at assisting job seekers in their career endeavors. The market page often acts as an informational hub that complements the job listings, providing additional value and guidance to users.

4. Log in



The login page serves as the entry point for registered users. Here, individuals can access their personalized accounts by entering their credentials. It's a secure gateway that ensures access to features like saved job searches, application history, or personalized recommendations. Additionally, it might have options for password retrieval or account creation for new users who haven't signed up yet.

5. Sign up



The sign-up page is where new users can create accounts to access the full range of features offered by the website. It typically involves filling out a form with personal information, including name, email, and sometimes additional details like resume upload or skills assessment. The goal is to streamline the registration process, making it user-friendly and encouraging individuals to become members.

6. Major specific work

- Insert data function

```

  1 // Set the connection properties
  2 // The connection URL
  3 var url = "jdbc:mysql://localhost:3306/test";
  4 
  5 // Set the connection properties
  6 var properties = {
  7   host: "localhost",
  8   port: 3306,
  9   user: "root",
 10   password: "password"
 11 };
 12 
 13 // Create a connection
 14 var connection = DriverManager.getConnection(url, properties);
 15 
 16 // Create a statement
 17 var statement = connection.createStatement();
 18 
 19 // Create a query
 20 var query = "SELECT * FROM users WHERE id = 1";
 21 
 22 // Execute the query
 23 var resultSet = statement.executeQuery(query);
 24 
 25 // Get the column count
 26 var columnCount = resultSet.getMetaData().getColumnCount();
 27 
 28 // Print the column names
 29 for (var i = 1; i <= columnCount; i++) {
 30   var columnName = resultSet.getMetaData().getColumnName(i);
 31   console.log(columnName);
 32 }
 33 
 34 // Get the first row
 35 var firstRow = resultSet.next();
 36 
 37 // Get the values from the first row
 38 var values = [
 39   firstRow['id'],
 40   firstRow['name'],
 41   firstRow['email'],
 42   firstRow['address'],
 43   firstRow['package']
 44 ];
 45 
 46 // Print the values
 47 console.log(values);
 48 
 49 // Update the database
 50 var updateQuery = "UPDATE users SET name = 'John Doe' WHERE id = 1";
 51 
 52 // Execute the update query
 53 var updateStatement = connection.createStatement();
 54 updateStatement.executeUpdate(updateQuery);
 55 
 56 // Get the affected rows
 57 var affectedRows = updateStatement.getAffectedRows();
 58 
 59 // Print the affected rows
 60 console.log("Number of rows updated: " + affectedRows);
 61 
 62 // Close the database connection
 63 resultSet.close();
 64 statement.close();
 65 connection.close();

```

This function add, validate and insert data from customers to the database

- Job apply function

```

  function showUploadForm() {
    var applyStyle = document.getElementById('applyStyle');
    applyStyle.setAttribute("display", "block");
  }

  // Function to handle form submission
  document.getElementById('jobApplicationForm').addEventListener('submit', function(e) {
    e.preventDefault(); // prevent default form submission
    // Fetch form values
    var fullname = document.getElementById('fullname').value;
    var email = document.getElementById('email').value;
    var resumeFile = document.getElementById('resume')[0]; // uploaded resume file
    var coverletter = document.getElementById('coverletter').value;

    // Handle the form submission
    var formData = new FormData();
    formData.append('fullname', fullname);
    formData.append('email', email);
    formData.append('resume', resumeFile, resumeFile.name);
    formData.append('coverletter', coverletter);

    // Example using fetch
    fetch('https://api.mockinspector.com/posts', {
      method: 'POST',
      body: formData
    })
    .then(response => {
      // handle response from the server
      console.log('Application submitted', response);
    })
    .catch(error => {
      // Handle errors
    });
  });

  // Clear form fields after submission (optional)
  document.getElementById('jobApplicationForm').reset();
}

```

This function allows users to apply directly to the job postings through the website by uploading their resumes and cover letters

Team Reflection

📋 Overview

Reflect back on what you and your team learned and what motivates the group to succeed by following the instructions for the [4Ls Retrospective Play](#).

Team	Group 3.5
Team members	@Tran Duy Minh (Swinburne HN) @Vu Xuan Sang (Swinburne HN) @Vu Minh Duc (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN)
Date	23 Nov 2023
Retrospective period	12 months

💡 4Ls retrospective

Milestones	Loved	Longed for	Loathed	Learned
Project plan	Clear roadmap and structure for the project.	More flexibility to adapt to unexpected changes.	The initial planning phase took longer than expected.	-Create a project plan using standard management tools. -Communicate project details with stakeholders using industry-standard tools. -Contribute responsibly as a team member in project development.
Progress Report	Tracking and documenting project milestones and achievements.	More frequent feedback and guidance from stakeholders.	The time and effort required to compile and analyze progress data.	Design and implement a project plan using industry standard project management and collaboration tools. <ul style="list-style-type: none">• Learned how to track project progress and communicate it effectively to stakeholders.• Developed skills in data analysis and reporting to provide meaningful updates.

				<ul style="list-style-type: none"> • Gained insights into project performance and areas for improvement.
Database Design	Creating a logical and efficient data structure.	Access to more advanced database design tools.	Dealing with complex relationships and constraints.	<ul style="list-style-type: none"> • Learned principles of database design and normalization to create efficient data structures. • Gained knowledge of modeling relationships between entities and defining data constraints. • Acquired skills in translating business requirements into a well-designed database schema.
Database Function	Implementing data manipulation and retrieval operations.	Better documentation and examples for complex queries.	Debugging and troubleshooting database issues.	<ul style="list-style-type: none"> • Learned how to implement various database operations such as querying, inserting, and updating data. • Gained experience in optimizing database performance and indexing techniques. • Acquired knowledge of database security measures and data integrity constraints.

Presenting slides	Crafting visually appealing and informative presentations.	Better speaking skill and can able to speak longer	Not enough time allowed to explain the slides better	-Learned effective techniques for creating visually appealing and impactful slide presentations. -Acquired skills in structuring content and using visuals to enhance communication.
Product video	Editing, Showcasing the product's features in an engaging way.	Access to professional video editing software and equipment.	The time and effort required for video production and editing.	-Learned how to create engaging product videos to showcase features and benefits. -Acquired skills in using video production tools and techniques to enhance the quality of the final product.
Final Report	Summarizing the project's outcomes and key findings.	More time for in-depth analysis and research.	Ensuring consistency and formatting throughout the report.	<ul style="list-style-type: none"> • Acquired the ability to succinctly explain the results, conclusions, and suggestions of a project. - Acquired expertise in compiling and arranging project data into an extensive report. - Developed the ability to communicate complicated ideas in an intelligible and straightforward way.

⚡ Action plan

Action	Owner	Due date	Action items
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Project plan	@Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN) @Vu Xuan Sang (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN)	1 Oct 2023	<ul style="list-style-type: none"> -Team HomeLinks to an external site. page -Project PlanLinks to an external site. page -Roles and ResponsibilitiesLinks to an external site. page -Risk AssessmentLinks to an external site. page -PersonaLinks to an external site. page -Empathy mapLinks to an external site. -Product requirementsLinks to an external site. -Initial ER diagram (Week 4 work) -Appendix 1: Team member profilesLinks to an external site. -Appendix 2: Team meeting notesLinks to an external site. -Team Agreement (export separately to submit under this assessment)
Progress Report	@Nguyen Tran Yen Binh (Swinburne HN) @Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Vu Xuan Sang (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN)	22 Oct 2023	<ul style="list-style-type: none"> -Face to face meeting with workshop facilitator. Upload: PDF export of current state of Confluence Space and Include Team Health MonitorLinks to an external site. - Management and Collaboration Tool -Progress on Deliverables
Database Design	@Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne	12 Nov 2023	<ul style="list-style-type: none"> -Make a database with general tables, relationships

	HN) @Vu Xuan Sang (Swinburne HN)		
Database Function	@Nguyen Tran Yen Binh (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN)	12 Nov 2023	-Normalization -Data creation -Use cases Performance(Indexes)
Presenting slides	@Nguyen Tran Yen Binh (Swinburne HN) @Vu Minh Duc (Swinburne HN)	12 Nov 2023	-Create and choose a presentation theme -Design slides
Product video	@Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne HN) @Vu Xuan Sang (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN)	26 Nov 2023	<ol style="list-style-type: none"> 1. Title slide with team names; 2. Introduction and project background, summary of requirements; 3. Mission statement and objectives; 4. 1-2 slides about team process (collaboration, roles, contributions to solution); 5. 1-3 slides about the logical/physical design, discussion of decisions made regarding the entities and their relationships; 6. Discussion of solutions to use cases 7. 1-5 slides on major-specific technology, major-specific work is Internet of Things then present an overview of the real-time database with some graphs to visualize data. 8. Summary of solution and lessons learnt.
Final Report	@Vu Minh Duc (Swinburne HN) @Tran Duy Minh (Swinburne HN) @Nguyen Tran Yen Binh (Swinburne	26 Nov 2023	<ol style="list-style-type: none"> 1. PDF of custom exported Confluence Space, containing <ul style="list-style-type: none"> • Initial ER diagram (Week 4)

<p>HN) @Vu Xuan Sang (Swinburne HN) @Vu Hai Phuong Linh (Swinburne HN)</p>	<ul style="list-style-type: none"> ◦ Review of ER diagram to normalise/denormalise, revise relationships (Week 5), possible subsequent reviews (e.g. adjustments due to use cases) ◦ Physical database (Week 6) - Create Table statements ◦ Document on data creation and null values (Week 7) ◦ Use cases and SQL statements, transactions (Week 8) ◦ Performance (indexes) (Week 9) ◦ Major-specific work (naming the contributor) (Week 10 + 11) ◦ major-specific work is Internet of Things then this part of the report must include: <ul style="list-style-type: none"> ▪ Description of the IoT-related solution: how to support real-time analytic function. ▪ Present an overview of the real-time database with some graphs to visualize data. ▪ PNG export of completed Jira Roadmap
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