



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SECD2523 - DATABASE

GROUP PROJECT

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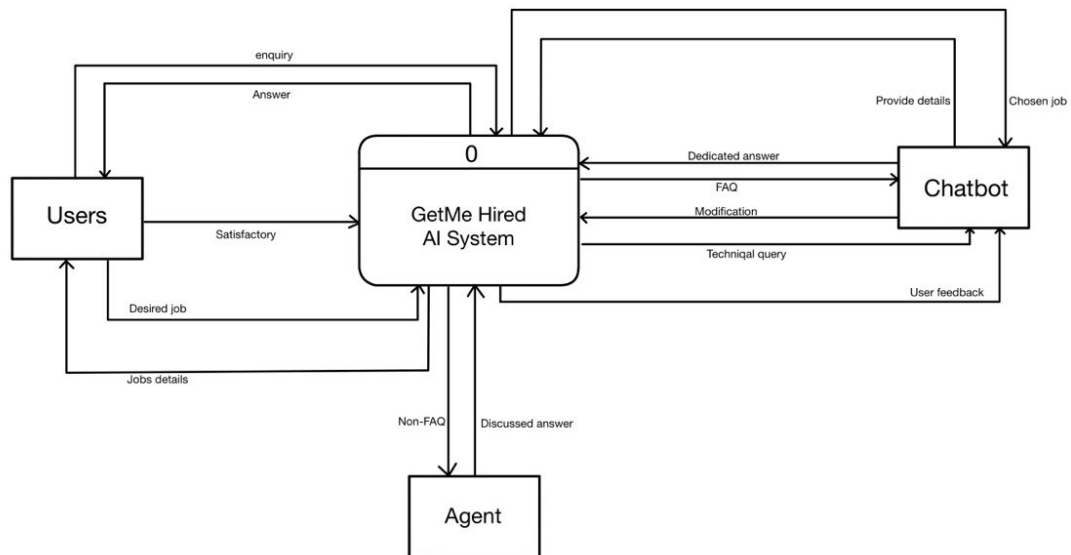
1.0 Introduction

For recent graduates, making the move from academic institutions to professional careers is crucial given the competitive nature of today's labor market. As a website that creates CVs, GetMeHired.io has become a game-changer, connecting recent graduates with employers. Acknowledging the growing need for more efficient career services, GetMeHired.io serves as an essential hub, enabling smooth communication between employers looking to hire potential employees and job seekers.

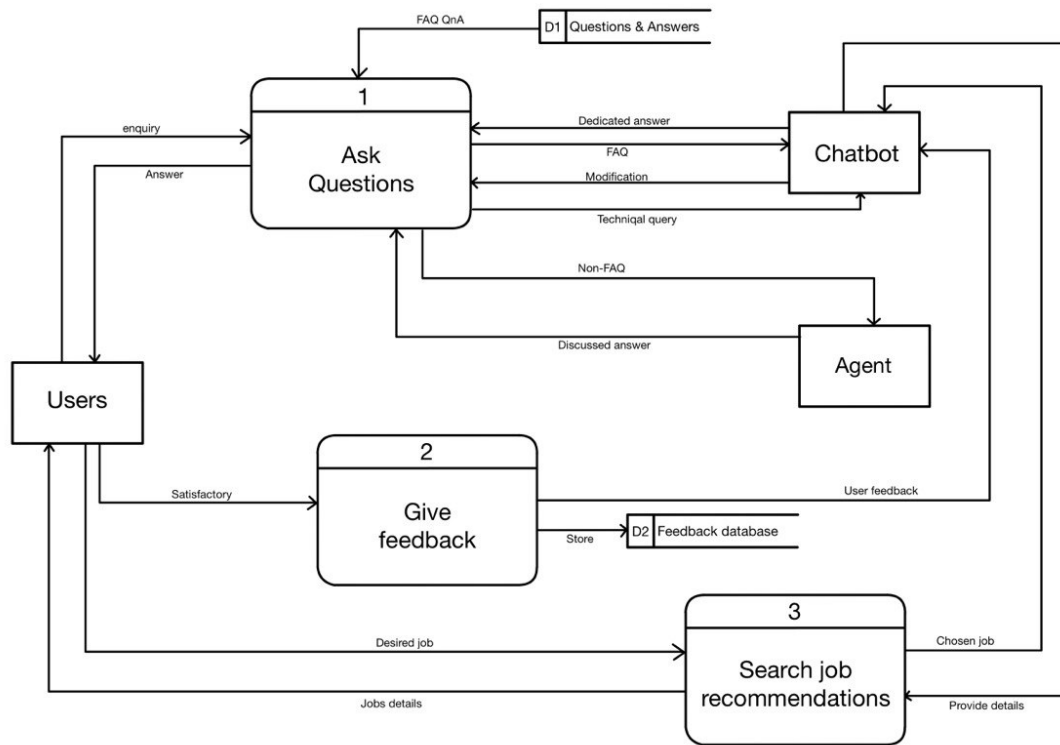
With its dynamic templates and individualized coaching, the platform demonstrates its dedication to empowering young professionals by helping graduates create resumes that stand out in the highly competitive job market. But because of the spike in demand for its services, the business is facing difficulties. The current operational framework, although inventive, faces constraints during periods of high hiring. Our goal is to improve and streamline the existing system while removing any inefficiencies or possible bottlenecks. In order to ensure long-term success and significant growth, this proposal details our specific plans for the development of GetMeHired.io. Our goals are to effectively handle rising CV volumes and strengthen the platform's capacity to meet rising demand.

2.0 DFD (To-Be)

2.1 Context Diagram

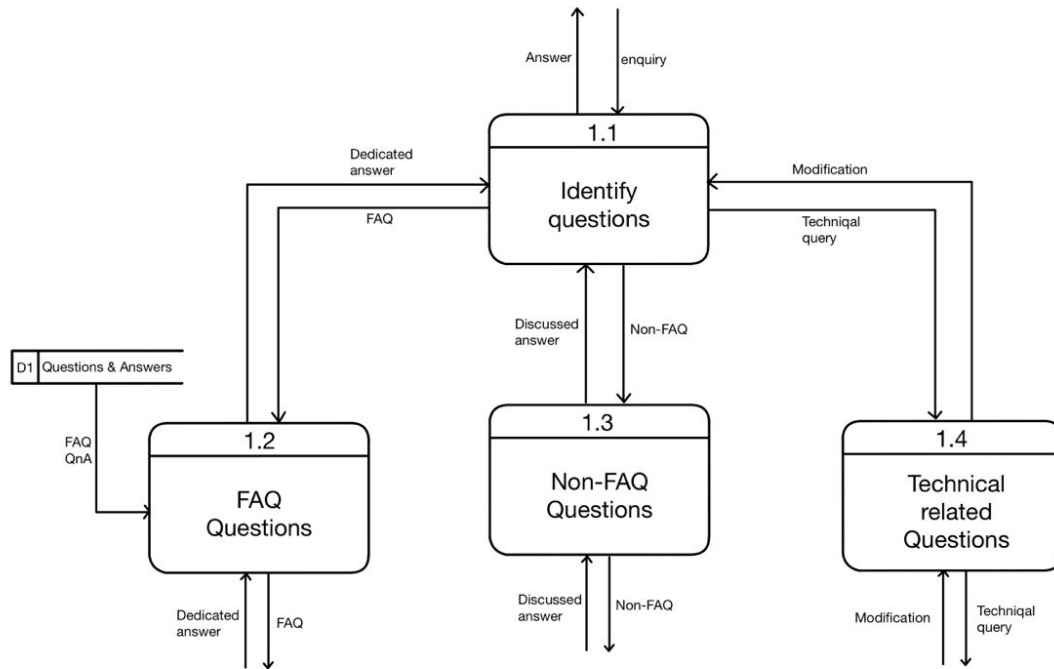


2.2 Level 0 Diagram

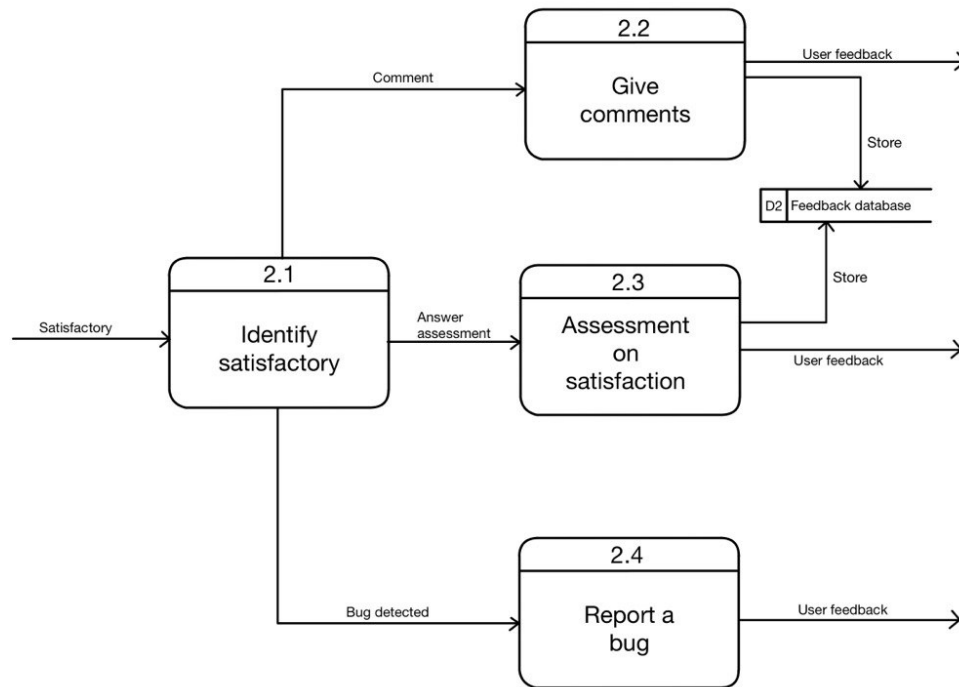


2.3 Level 1 Diagram

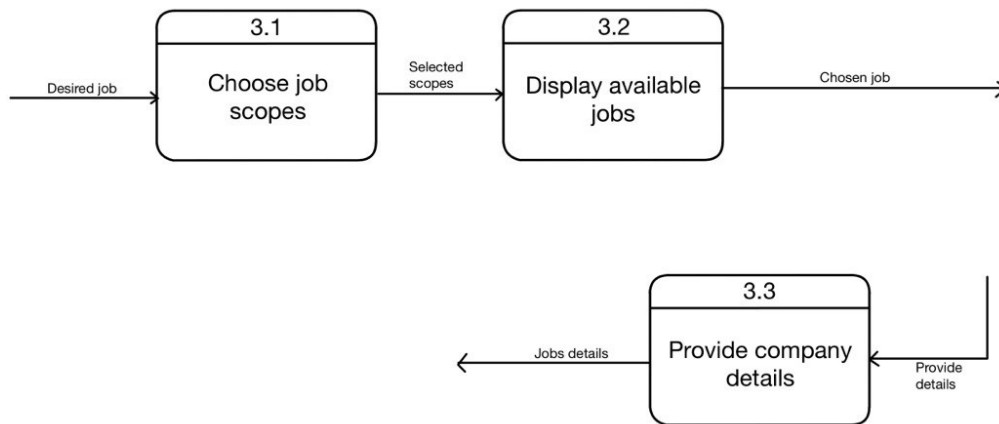
2.3.1 Process 1 - Ask Questions



2.3.2 Process 2 - Give Feedback



2.3.3 Process 3 - Search Job Recommendation



3.0 Data & Transaction Requirement

3.1 Proposed Business Rule

1. User only ask questions related to the system only.
2. User can ask one or many questions as they wanted.
3. Users' FAQ answered by chatbots
4. Users' Non-FAQ will directly contact the real agent.
5. Users can give zero or more opinions or feedback on the service.
6. Users can only direct to live agent if there question can't be answered by chatbot
7. Users can search the job available in the system only.
8. Users can't ask the chatbots about how to get the job
9. Users will provided the company details by the chatbots

3.2 Proposed Data & Transactional

Data Requirement

User - User is the person who made a query to be answered by the system. The data Including name, userID, phone number, email, passwords.

Question - This one has the questionID, Qcontent, timestamp.

Feedback - This has a feedbackID, Fcontent, rating, timestamp.

Response - This has a responseID, Rcontent, timestamp.

Agent - This has agentID, name, dept, email, phone number.

Job - This has jobID, jobName, salary, companyName, companyEmail, jobScope

Transaction Requirement

Data Entry

- Enter user detail
- Enter query
- Enter feedback
- Enter job detail
- Enter response

Data Update/Deletion

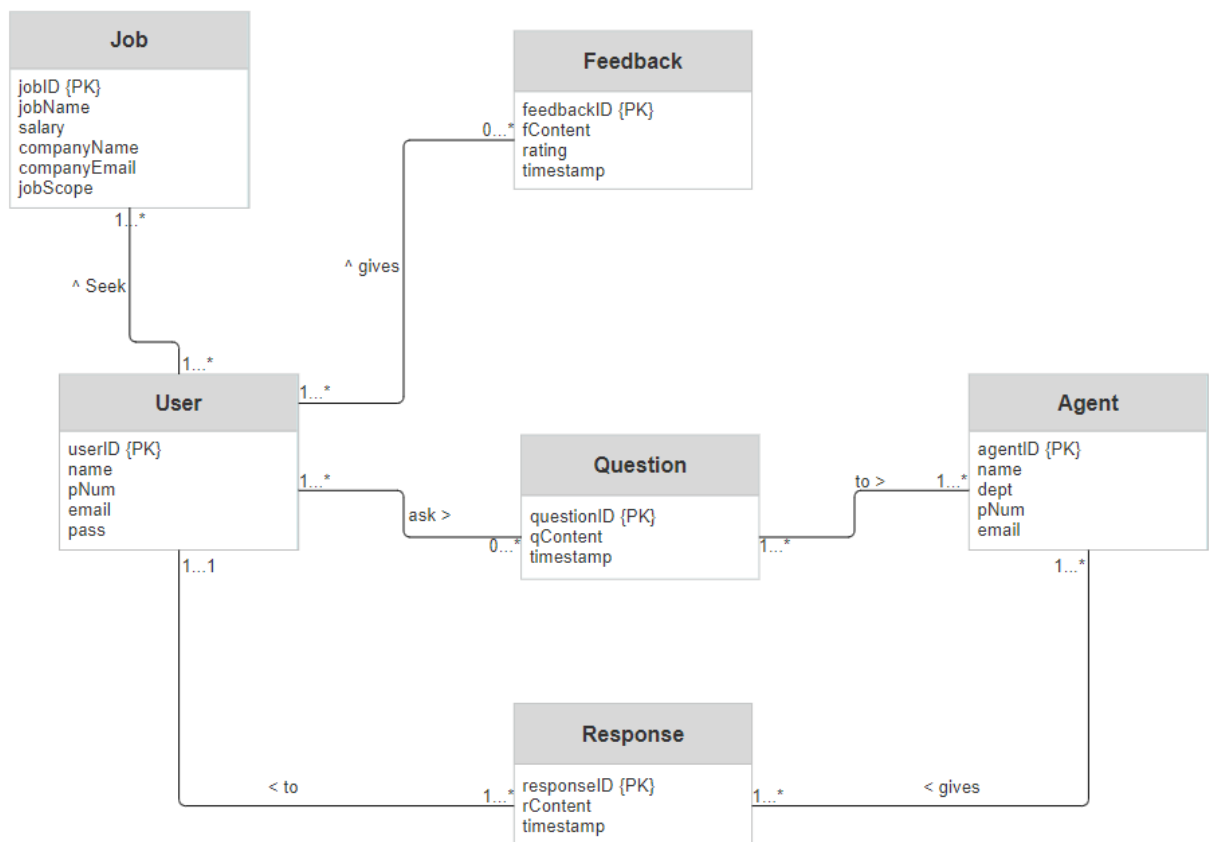
- Update/Deletion of the user detail
- Update/Deletion of the query
- Update/Deletion of the feedback
- Update/Deletion of the job detail
- Update/Deletion of the response

Data Query

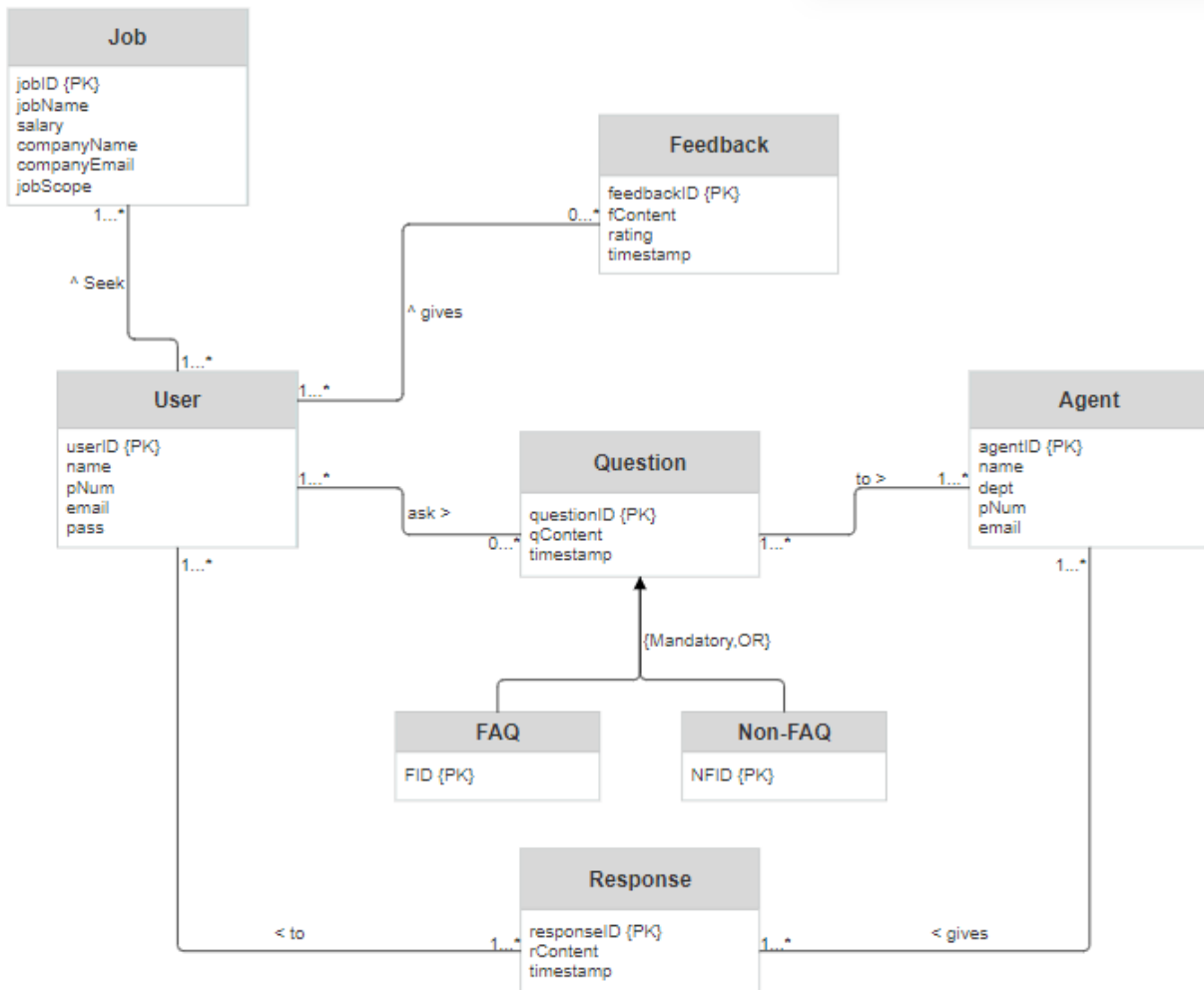
- List of the user detail
- List of the query by the user
- List of the feedback by the user
- List of the job asked by the user
- List of response from the agent or chatbots

4.0 Database Conceptual Design

4.1 Conceptual ERD



4.2 Enhanced ERD



5.0 Data Dictionary

5.1 Description of Entity

Entity	Description	Action
User	It has the data of the user	-User use to log in the system -User gives detail about them -User gives the query -User gives the feedback -User ask for desired job detail
Question	It has the data of the query	-Query that from the user to the system
Feedback	It has the data of all users feedback	-Feedback are given by the user based on their satisfaction
Response	It holds the response data	-Response are given by the system which is agent
Job	It holds all the job details	-Job are seek by the user
Agent	It has the agent details	-Agent gives appropriate answer for user's query.

5.2 Description of Relationship

Entity	Multiplicity	Relationship	Multiplicity	Entity
User	1...*	Seek	1...*	Job
	1..*	Gives	0...*	Feedback
	1...*	Ask	0...*	Question
Question	1...*	To	1...*	Agent
Agent	1...*	Gives	1...*	Response
Response	1...*	To	1...1	User

5.3 Description of Attributes

Entity	Attributes	Description	Data Type	Constraint	Multi-Value d?
User	userID	Unique key for User	VARCHAR(10)	PRIMARY KEY	NO
	name	Users' name	VARCHAR (50)	NOT NULL	NO
	pNum	Users' phone number	VARCHAR (12)	NOT NULL	NO
	email	Users' email	VARCHAR (30)	NOT NULL	NO
	pass	Users' password	VARCHAR (30)	NOT NULL	NO
Question	jobID	Unique key for job	PRIMARY KEY	NOT NULL	NO
	jobName	Job's name	VARCHAR (50)	NOT NULL	NO
	salary	Job's salary	NUMBER (6)	NOT NULL	NO
	companyName	Company's Name	VARCHAR(50)	NOT NULL	NO
	companyEmail	Company's Email	VARCHAR (30)	NOT NULL	NO
	jobScope	Details of job scope	VARCHAR (5000)	NOT NULL	NO
Feedback	feedbackID	Unique key for feedback	VARCHAR (10)	NOT NULL	NO
	fContent	Content of the feedback	VARCHAR (5000)	NOT NULL	NO
	rating	Numbered rate by user	NUMBER (1)	NOT NULL	NO
	timestamp	Time that feedback made	TIMESTAMP	NOT NULL	NO

Question	questionID	Unique key for question	PRIMARY KEY	NOT NULL	NO
	qContent	Question content from user	VARCHAR (5000)	NOT NULL	NO
	timestamp	Time that feedback made	TIMESTAMP	NOT NULL	NO
FAQ	FID	Unique Key for FAQ	PRIMARY KEY	NOT NULL	NO
Non-FAQ	NFID	Unique Key for Non-FAQ	PRIMARY KEY	NOT NULL	NO
Agent	agentID	Unique key for agent	PRIMARY KEY	NOT NULL	NO
	name	Agent's name	VARCHAR (50)	NOT NULL	NO
	dept	Agent's department	VARCHAR (30)	NOT NULL	NO
	pNum	Agent's phone number	VARCHAR (12)	NOT NULL	NO
	email	Agent's email	VARCHAR (30)	NOT NULL	NO
Response	responseID	Unique key for response	PRIMARY KEY	NOT NULL	NO
	rContent	Response content from agent	VARCHAR (5000)	NOT NULL	NO
	timestamp	Time that response made	TIMESTAMP	NOT NULL	NO

6.0 Summary

The GetMe Hired platform is dedicated to excellence, utilizing secure and feature-rich functionalities to enhance the job-seeking experience in Malaysia. By strategically addressing challenges such as user engagement, CV management, and communication, the platform ensures an efficient workflow. Integration of cutting-edge AI for customer support, automated CV template delivery, and a robust communication platform reflects our commitment to a user-centric approach, providing a secure, streamlined, and adaptable system.

These advancements aim to increase user satisfaction, facilitate smoother recruitment processes, and foster dynamic connections between job seekers and companies. As GetMe Hired continually adapts to user feedback, it solidifies its position as a frontrunner in the ever-evolving job market, dedicated to shaping a future-ready platform that serves the evolving needs of job seekers and stakeholders.