SECD2523 - Database

System Documentation (SD)

GetMe Hired (CV generator website) Talent System

< Phase 3>

Group : Rotten Banana

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1.0 Introduction

In an era where the job market is fiercely competitive, the transition from academic institutions to professional careers is a crucial juncture for fresh graduates. GetMe Hired, a pioneering CV generator website, has played a pivotal role in connecting fresh graduates with prospective employers. Recognizing the ever-growing demand for efficient career services, GetMe Hired has emerged as a bridge, facilitating the exchange between job seekers and companies seeking talent. By offering dynamic templates and personalized guidance, the platform has successfully assisted countless graduates in crafting compelling resumes that stand out in the competitive job market.

GetMe Hired has been dedicated to empowering young professionals by providing an innovative CV generator service. However,as the demand for GetMe Hired's services has surged, reflecting a growing reliance on digital solutions for career advancement, the company has encountered challenges in managing the increasing volume of CVs. This challenge is particularly pronounced during peak recruitment seasons when the demand for their CV template services skyrockets. The existing operational framework, a hybrid of automated and manual processes, has exhibited certain limitations, notably in the manual verification phase, where a one-to-one correspondence between staff and CVs has led to inefficiencies and potential bottlenecks.

Our mission is to help the company in improving the system by making enhancement and optimization to the current system. We are seeking the best and most efficient way to overcome the challenges that faced by GetMe Hired company so that the business runs well and can grow as time goes by. In this proposal, we will provide our plans for the development of the current system in GetMe Hired company, which is not satisfactory from our perspective as a client or owner.

2.0 Overview of Project

This project aims to address these challenges by proposing enhancements and optimizations to the existing system. By delving into the database conceptual design, updating business rules, and presenting a conceptual Entity-Relationship Diagram (ERD), we intend to lay the foundation for an improved operational framework and proceeded to to implement the database logical design. Subsequently, our focus shifts to the logical design, encompassing the Logical ERD, an updated Data Dictionary, and normalization processes to enhance data integrity and reduce redundancies.

The culmination of these efforts will be the development of Relational Database Schemas after normalization, providing a structured and efficient foundation for data storage. To facilitate practical implementation, SQL Statements (Data Definition Language and Data Manipulation Language) will be presented, offering a clear roadmap for database creation and manipulation.

In summary, this project seeks to revamp and optimize Get Me Hired's existing system, addressing operational challenges and ensuring scalability for future growth. Through a comprehensive analysis and redesign of the database and associated processes, we aim to propel GetMe Hired towards a more streamlined and effective approach in connecting job seekers with prospective employers.
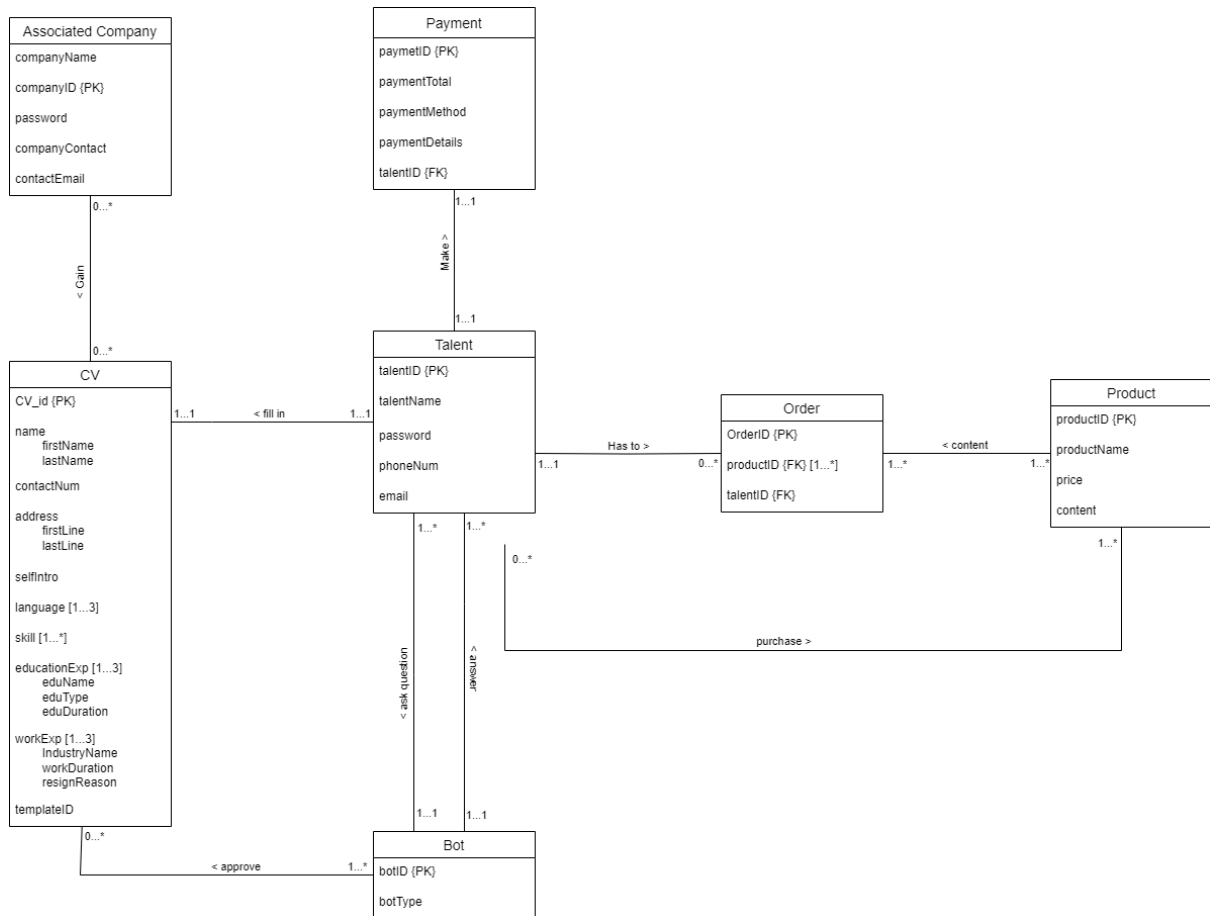
3.0 Database conceptual design
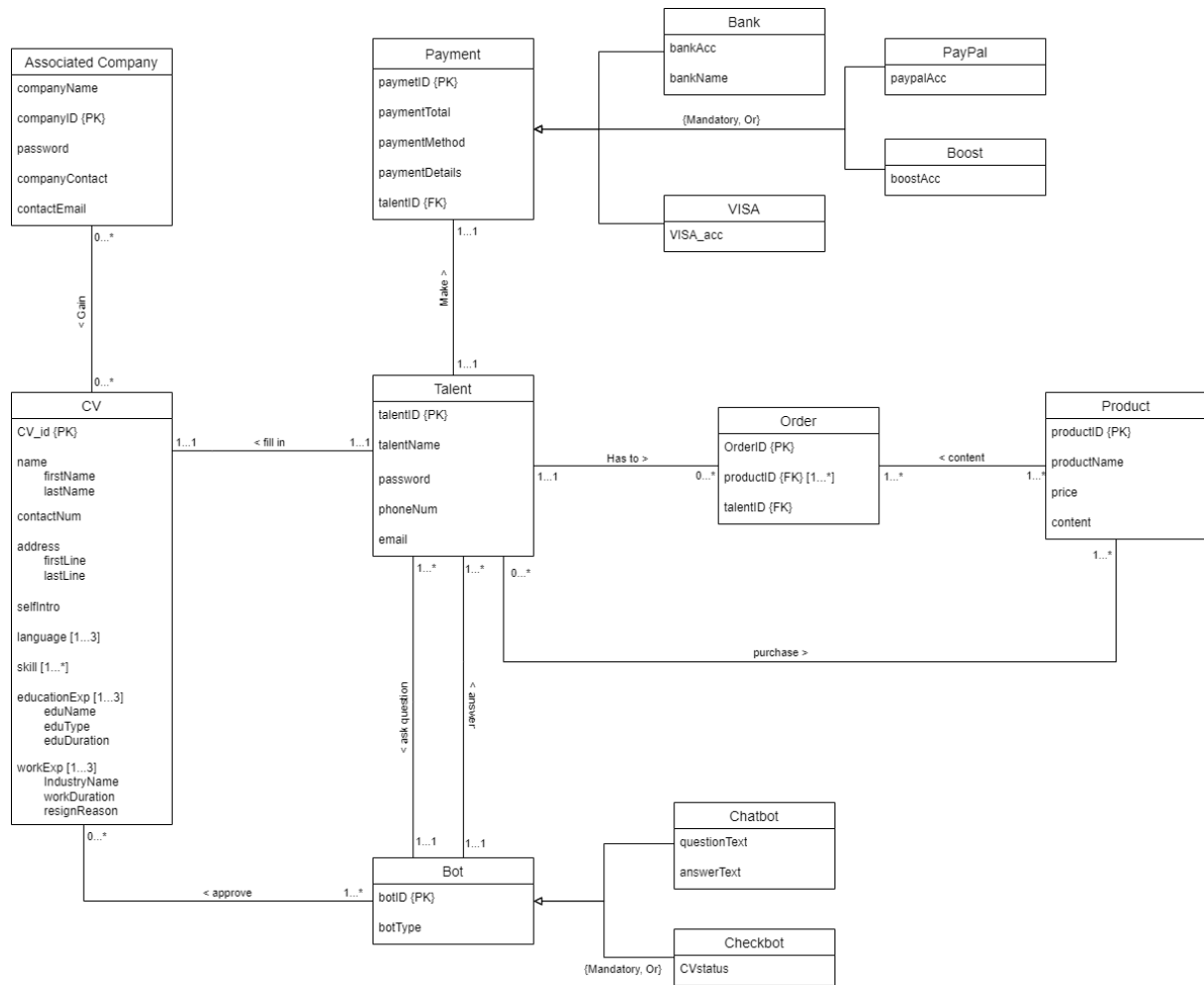
3.1 Updated business rule

1. The system is working 23 hours for 7 days.
2. Due to bank system maintenance, the payment system will be stopped for service every day from 12 am until 1 am.
3. The payment status will be updated in 5 minutes if the order is fully paid by the talent.
4. Users need to register their online platform with their real information.
5. Talents need to look at the products' content and select which one they want.
6. After selecting the products, the order will be shown to the talents.
7. Talents need to make the payment before getting the CV template.
8. Talents can select the payment method that is provided by the system.
9. Talents need to fill in the CV information with the evidence needed.
10. Talents can ask questions to the bot if they have any problem with the system.
11. The bot can be automated to check the details in the completed CV and if it is in correct status, it will approve the CV.
12. Talents need to turn on their notification so they can receive approval from the system.
13. The associated company will gain the completed CV from the system and they can select the talents based on the CV collected.
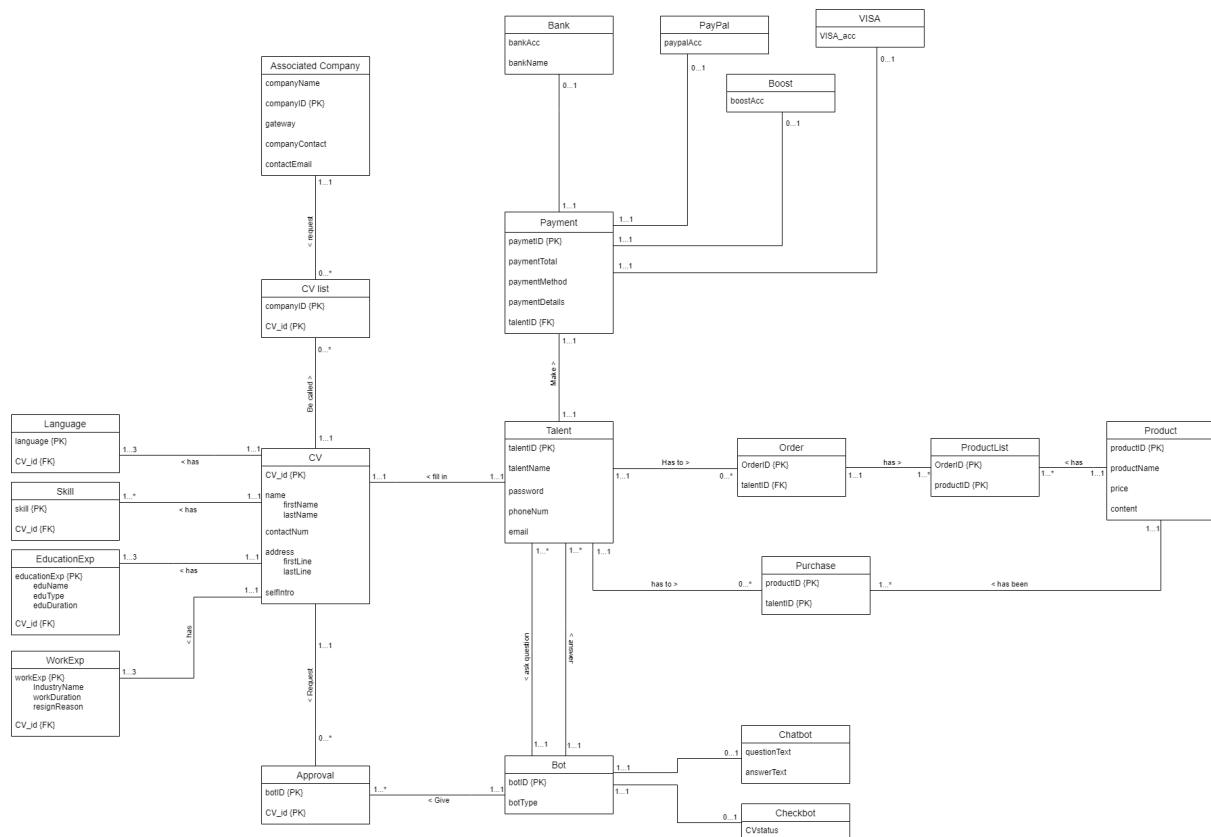
3.2 Conceptual ERD

3.2.1 Conceptual ERD

Associated Company
- companyName
- companyID {PK}
- password
- companyContact
- contactEmail

Payment
- paymetID {PK}
- paymentTotal
- paymentMethod
- paymentDetails
- talentID {FK}

CV
- CV_id {PK}
- name
    - firstName
    - lastName
- contactNum
- address
    - firstLine
    - lastLine
- selfIntro
- language [1...3]
- skill [1...*]
- educationExp [1...3]
    - eduName
    - eduType
    - eduDuration
- workExp [1...3]
    - IndustryName
    - workDuration
    - resignReason
- templateID

Talent
- talentID {PK}
- talentName
- password
- phoneNum
- email

Order
- OrderID {PK}
- productID {FK} [1...*]
- talentID {FK}

Product
- productID {PK}
- productName
- price
- content

Bot
- botID {PK}
- botType

< Gain 0...* 0...*

Make > 1...1 1...1

< fill in 1...1 1...1

Has to > 1...1 0...*

< content 1...* 1...*

purchase > 0...* 1...*

< ask question 1...* 1...1

< answer 1...* 1...1

< approve 0...* 1...*

5

3.2.2 Enhanced ERD (EERD)

Associated Company
- companyName
- companyID {PK}
- password
- companyContact
- contactEmail

Payment
- paymetID {PK}
- paymentTotal
- paymentMethod
- paymentDetails
- talentID {FK}

Bank
- bankAcc
- bankName

PayPal
- paypalAcc

Boost
- boostAcc

VISA
- VISA_acc

{Mandatory, Or}

< Gain

0...*

0...*

< Make >

1...1

1...1

CV
- CV_id {PK}
- name
    - firstName
    - lastName
- contactNum
- address
    - firstLine
    - lastLine
- selfIntro
- language [1...3]
- skill [1...*]
- educationExp [1...3]
    - eduName
    - eduType
    - eduDuration
- workExp [1...3]
    - IndustryName
    - workDuration
    - resignReason

1...1   < fill in   1...1

Talent
- talentID {PK}
- talentName
- password
- phoneNum
- email

Has to >
1...1   0...*

Order
- OrderID {PK}
- productID {FK} [1...*]
- talentID {FK}

< content
1...*   1...*

Product
- productID {PK}
- productName
- price
- content

1...*

1...*   1...*   0...*

purchase >

< ask question

< answer

1...1   1...1

0...*

Bot
- botID {PK}
- botType

< approve   1...*

Chatbot
- questionText
- answerText

Checkbot
- CVstatus

{Mandatory, Or}

4.0 DB logical design

4.1 Logical ERD

4.2 Updated Data Dictionary

Description of Entity

Entity	Description	Occurence
Associated company	Hold the information of associated company	• Associated company gain the CV from the GetMeHired system
CV	Hold the talent information in the CV template and the completed template	• Talent fill in the information in the CV template
Payment	Hold the payment details and method	• Each payment is made by one customer
Talent	Hold customers's information	• Talent log in to the system via their

		account
		● Talent provides personal information to the system
		● Talent ask question to the system
		● Talent purchase the product
		● Talent make payment inside the system
Bot	Hold the AI bot of the system	● Bot will show on the page with possible questions met by users and prepared answers when users send queries or questions.
		● Bot will check for the CV is perfectly done or contains any error
Chatbot	Hold the customer queries and prepared answers	● Reply the most related answer to the question based on the information inside system
Checkbot	Hold the CV status	● Check the grammar and any mistake inside the CV template
Product	Hold customer purchased product information	● Customer purchases a CV template, the product is generated in the system.
Order	Hold the order of each customer	● Customer order the product in the

		system
OrderList	Hold the list of the order from customer	● The system will show the list of the order chosen
Purchase	Hold the information of product purchased and the talent	● Customer need to purchase the product to use in the system
Product in list	Hold the information product that selled in the system	● System will show the product can be purchased
Bank	Hold the details of customer's bank account	● Purchase the payment via bank transfer
PayPal	Hold the details of customer's PayPal account	● Purchase the payment via PayPal
Boost	Hold the details of customer's Boost account	● Purchase the payment via Boost
VISA	Hold the details of customer's Visa account	● Purchase the payment via VISA
CV list	Hold the list of CV in the system	● The completed CV will saved inside the list for associated company to look for their talent
Approval	Hold the details of CV	● Show the status of CV template is completed or error found by the bot
Language	Hold the language part in the CV template	● Show the language mastered by talent
Skill	Hold the skill part in the CV template	● Show the skills of talent
EducationExp	Hold the education experience part in the CV	● Show the education details

	template		of talent
WorkExp	Hold the work experience part in the CV template		● Show he work experience detail of talent

Entity	Multiplicity	Relationship	Multiplicity	Entity
Talent	0…*	purchase	1…1	Product
	1…1	make	1…1	Payment
	1…1	fill in	1…1	CV
	1…*	ask question	1…1	Bot
	1…1	has to	0…*	Purchase
Bot	1…1	answer	1…*	Talent
	1…1	send	0…1	Chatbot
	1…1	send	0…1	Checkbot
	1…1	give	1…*	Approval
Payment	1…1	connect	0…1	Bank
	1…1	connect	0…1	PayPal
	1…1	connect	0…1	Boost
	1…1	connect	0…1	VISA
Associated Company	1…1	request	0…*	CV list
CV	1…1	has	1…3	Language
	1…1	has	1…*	Skill
	1…1	has	1…3	EducationExp
	1…1	has	1…3	WorkExp
	1…1	be called	0…*	CV list
	1…1	request	0…*	Approval
Order	1…1	has	1…*	Product in list

	1…1	has	1…*	OrderList
Product	1…1	has	1…*	OrderList
	1…1	has been	1…*	Purchase

Description of Attributes

Entity	Attributes	Description	Data Type	Constraint	Multi-valued
Talent	talentID {PK}	Identifies a talent uniquely	VARCHAR2(10)	PRIMARY KEY	no
	talentName	Name of talent	VARCHAR2(30)	NOT NULL	no
	password	Password of talent	VARCHAR2(30)	NOT NULL	no
	phoneNum	Phone number of talent	NUMBER(11)	NOT NULL	no
	email	Email Address of talent	VARCHAR2(30)	NOT NULL	no
Payment	paymentID {PK}	Identifies a payment uniquely	VARCHAR2(10)	PRIMARY KEY	no
	paymentTotal	Total number of payment	NUMBER(10)	NOT NULL	no
	paymentMethod	Method for payment	VARCHAR2(10)	NOT NULL	no
	paymentDetails	Details of payment	VARCHAR2(30)	NOT NULL	no
	talentID	Identifies a talent uniquely	VARCHAR2(10)	NOT NULL	no
Bank	bankAcc	Bank account of talent	VARCHAR2(10)	NOT NULL	no
	bankName	Bank name of talent's account	VARCHAR2(10)	NOT NULL	no
	paymentID {FK}	Reference paymentID	VARCHAR2(10)	-FOREIGN KEY REFERENCE Payment	no
PayPal	paypalAcc	PayPal account of talent	VARCHAR2(10)	NOT NULL	no

	paymentID {FK}	Reference paymentID	VARCHAR2(10)	-FOREIGN KEY REFERENCE Payment	no
Boost	boostAcc	Boost Account of talent	VARCHAR2(10)	NOT NULL	no
	paymentID {FK}	Reference paymentID	VARCHAR2(10)	-FOREIGN KEY REFERENCE Payment	no
VISA	VISA_acc	VISA Account of talent	VARCHAR2(10)	NOT NULL	no
	PaymentID {FK}	Reference paymentID	VARCHAR2(10)	-FOREIGN KEY REFERENCE Payment	no
Order	OrderID {PK}	Identifies an order uniquely	VARCHAR2(10)	PRIMARY KEY	no
	talentID {FK}	Reference talentID	VARCHAR2(10)	-FOREIGN KEY REFERENCE Talent	no
ProductList	productID {PK}	Identifies a product uniquely	VARCHAR2(10)	PRIMARY KEY	no
	OrderID {PK}	Identifies an order uniquely	VARCHAR2(10)	PRIMARY KEY	no
Purchase	productID {PK}	Identifies a product uniquely	VARCHAR2(10)	PRIMARY KEY	no
	talentID {PK}	Identifies a talent uniquely	VARCHAR2(10)	PRIMARY KEY	no
Product	productID {PK}	Identifies a product uniquely	VARCHAR2(10)	PRIMARY KEY	no
	productName	Name of product	VARCHAR2(10)	NOT NULL	no
	price	Price of product	NUMBER(5,2)	NOT NULL	no
	content	Content of product	VARCHAR2(99)	NOT NULL	no
Bot	botID {PK}	Identifies a bot uniquely	VARCHAR2(10)	PRIMARY KEY	no
	botType	type of bot	VARCHAR2(10)	NOT NULL	no
Chatbot	botID	Identifies a bot uniquely	VARCHAR2(10)	PRIMARY KEY	no

	questionText	Question to the bot	VARCHAR2(99)	NOT NULL	no
	answerText	Answer from the bot	VARCHAR2(99)	NOT NULL	no
Checkbot	botID	Identifies a bot uniquely	VARCHAR2(10)	PRIMARY KEY	no
	CVstatus	Status of CV	VARCHAR2(10)	NOT NULL	no
	CV_id {FK}	Reference CV_id	VARCHAR2(10)	-FOREIGN KEY REFERENCE CV	no
Approval	botID {PK}	Identifies a bot uniquely	VARCHAR2(10)	PRIMARY KEY	no
	CV_id {PK}	Identifies a CV uniquely	VARCHAR2(10)	PRIMARY KEY	no
CV	CV_id {PK}	Identifies a CV uniquely	VARCHAR2(10)	PRIMARY KEY	no
	name 　firstName 　lastName	First name of talent Last name of talent	VARCHAR2(10) VARCHAR2(10)	NOT NULL	yes
	contactNum	Contact number of talent	NUMBER(11)	NOT NULL	no
	address 　firstLine 　lastLine	First line address of talent Last line address of talent	VARCHAR2(20) VARCHAR2(20)	NOT NULL NOT NULL	yes
	selfintro	Self introduction of talent	VARCHAR2(99)	NOT NULL	no
Language	language {PK}	Identifies a language uniquely	VARCHAR2(20)	PRIMARY KEY	no
	CV_id {FK}	Reference CV_id	VARCHAR2(10)	-FOREIGN KEY REFERENCE CV	no
Skill	skill {PK}	skill of talent	VARCHAR2(20)	PRIMARY KEY	no
	CV_id {FK}	Reference CV_id	VARCHAR2(10)	-FOREIGN KEY REFERENCE CV	no

				PRIMARY KEY	yes
Education Exp	educationExp {PK} eduName eduType eduDuration	● Name of school/university ● Type of courses ● Duration of studying	VARCHAR2(10) VARCHAR2(10) VARCHAR2(10)	PRIMARY KEY	yes
	CV_id {FK}	Reference CV_id	VARCHAR2(10)	-FOREIGN KEY REFERENCE CV	no
WorkExp	workExp {PK} IndustryName workDuration resignReason	● Name of industry ● Duration time work in that industry ● Reason resign from that industry	VARCHAR2(10) VARCHAR2(10) VARCHAR2(10)	PRIMARY KEY	yes
	CV_id {FK}	Reference CV_id	VARCHAR2(10)	NOT NULL	no
Associate d Company	companyID {PK}	Identifies a company uniquely	VARCHAR2(10)	PRIMARY KEY	no
	companyName	Name of company	VARCHAR2(10)	NOT NULL	no
	gateway		VARCHAR2(10)	NOT NULL	no
	companyContact	Contact number of company	VARCHAR2(11)	NOT NULL	no
	contactEmail	Contact email address of company	VARCHAR2(30)	NOT NULL	no
CV list	companyID {PK}	Identifies a company uniquely	VARCHAR2(10)	PRIMARY KEY	no
	CV_id {FK}	Reference CV_id	VARCHAR2(10)	-FOREIGN KEY REFERENCE CV	no

4.3 Normalization

1NF :

FD1 : PK
GetMeHired_System (**TalentID**, talentName, password, phoneNum, email, **OrderID**, **productID**, productName, price, content, **botID**, botType, questionText, answerText, CVstatus, **CV_id**, firstName, lastName, contactNum, firstline, lastline, selfintro, language, skill, eduName, eduType, eduDuration, IndustryName, workDuration, resignReason, **companyID**, companyName, gateway, companyContact, contactEmail, **paymentID**, paymentTotal, paymentMethod, paymentDetails, bankAcc, bankName, paypalAcc, VISA_acc, boostAcc)
PK : TalentID, OrderID, productID, botID, CV_id, companyID, paymentID

2NF :

FD2 : PD
Talent(**TalentID**, talentName, password, phoneNum, email)
PK : TalentID

FD3 : PD
Orders(**OrderID**, talentID)
PK : OrderID
FK : talentID reference Talent(talentID)

FD4 : PD
Product(**productID**, productName, price, content)
PK : productID

FD5 : PD
Bot(**botID**, botType, questionText, answerText, CVstatus)
PK : botID

FD6 : PD
CV(**CV_id**, firstName, lastName, contactNum, firstLine, lastLine, selfintro, language, skill, eduName, eduType, eduDuration, IndustryName, workDuration, resignReason)
PK : CV_id

FD7 : PD
Associated_Company(**companyID**, companyName, gateway, companyContact, contactEmail)
PK : companyID

FD8 : PD

Payment(**paymentID**, paymentTotal, paymentMethod, paymentDetails, talentID, bankAcc, bankName, paypalAcc, VISA_acc, boostAcc)
PK : paymentID
FK : talentID reference Talent(talentID)

FD9 : PD
Purchase(**ProductID**,**talentID**)
PK : ProductID,talentID
FK : talentID reference Talent(talentID), ProductID reference Talent(talentID)

FD10 : PD
Approval(**botID**,**CV_id**)
PK : botID,CV_id
FK : botID reference Bot(botID), CV_id reference CV(CV_id)

FD11 : PD
CV_list(**companyID**,**CV_id**)
PK : companyID,CV_id
FK : companyID reference Associated_Company(companyID), CV_id reference CV(CV_id)

3NF :

FD3 : PD
Orders(**OrderID**, talentID)
PK : OrderID
FK : talentID reference Talent(talentID)

FD12 : TD
ProductList(**productID**, **OrderID**)
PK : productID, OrderID
FK : productID reference Product(productID), OrderID reference Order(OrderID)

FD5 : PD
Bot(**botID**, botType, questionText, answerText, CVstatus)
PK : botID
FK : questionText, answerText reference ChatBot(questionText, answerText), CVstatus reference CheckBot(Cvstatus)

FD13 : TD
ChatBot(botID, **questionText**, **answerText**)
PK : questionText, answerText
FK : botID reference Bot(botID)

FD14 : TD
CheckBot(botID, **CVstatus**)
PK : CVstatus
FK : botID reference Bot(botID)

FD6 : PD
CV(**CV_id**, firstName, lastName, contactNum, firstLine, lastLine, selfintro, language, skill, eduName, eduType, eduDuration, IndustryName, workDuration, resignReason)
PK : CV_id
FK : language reference Language(language), skill reference Skill(skill), eduName, eduType, eduDuration reference EducationExp(eduName, eduType, eduDuration), IndustryName, workDuration, resignReason reference WorkExp(IndustryName, workDuration, resignReason)

FD15 : TD
Language(**language**, CV_id)
PK : language
FK : CV_id reference CV(CV_id)

FD16 : TD
Skill(**skill**, CV_id)
PK : skill
FK : CV_id reference CV(CV_id)

FD17 : TD
EducationExp(**eduName**, **eduType**, **eduDuration**, CV_id)
PK : eduName, eduType, eduDuration
FK : CV_id reference CV(CV_id)

FD18 : TD
WorkExp(**IndustryName**, **workDuration**, **resignReason**, CV_id)
PK : IndustryName, workDuration, resignReason
FK : CV_id reference CV(CV_id)

FD8 : PD
Payment(**paymentID**, paymentTotal, paymentMethod, paymentDetails, talentID, bankAcc, paypalAcc, VISA_acc, boostAcc)
PK : paymentID
FK : talentID reference Talent(talentID), bankAcc reference Bank(bankAcc), paypalAcc reference Paypal(paypalAcc), VISA_acc reference VISA(VISA_acc), boostAcc reference Boost(boostAcc)

FD19 : TD
Bank(**bankAcc**, bankName, paymentID)
PK : bankAcc
FK : paymentID reference Payment(paymentID)

FD20 : TD
Paypal(**paypalAcc**, paymentID)
PK : paypalAcc
FK : paymentID reference Payment(paymentID)

FD21 : TD

VISA(**<u>VISA_acc</u>**, paymentID)
PK : VISA_acc,
FK : paymentID reference Payment(paymentID)

FD22 : TD
Boost(**<u>boostAcc,</u>** paymentID)
PK : boostAcc
FK : paymentID reference Payment(paymentID)

5.0 Relational DB Schemas (after normalization)

Talent(**TalentID**, talentName, password, phoneNum, email)
PK : TalentID

Orders(**OrderID**, talentID)
PK : OrderID
FK : talentID reference Talent(talentID)

Product(**productID**, productName, price, content)
PK : productID

Bot(**botID**, botType, questionText, answerText, CVstatus)
PK : botID
FK : questionText, answerText reference ChatBot(questionText, answerText), CVstatus
reference CheckBot(Cvstatus)

CV(**CV_id**, firstName, lastName, contactNum, firstLine, lastLine, selfintro, language, skill,
eduName, eduType, eduDuration, IndustryName, workDuration, resignReason)
PK : CV_id
FK : language reference Language(language), skill reference Skill(skill), eduName, eduType,
eduDuration reference EducationExp(eduName, eduType, eduDuration), IndustryName,
workDuration, resignReason reference WorkExp(IndustryName, workDuration,
resignReason)

Associated_Company(**companyID**, companyName, gateway, companyContact,
contactEmail)
PK : companyID

Payment(**paymentID**, paymentTotal, paymentMethod, paymentDetails,talentID ,bankAcc,
bankName, paypalAcc, VISA_acc, boostAcc)
PK : paymentID
FK :talentID reference Talent(talentID), bankAcc reference Bank(bankAcc), paypalAcc
reference Paypal(paypalAcc), VISA_acc reference VISA(VISA_acc), boostAcc reference
Boost(boostAcc)

ProductList(**productID**, **OrderID**)
PK : productID, OrderID
FK : productID reference Product(productID), OrderID reference Order(OrderID)

ChatBot(botID, **questionText**, **answerText**)
PK : questionText, answerText
FK : botID reference Bot(botID)

CheckBot(botID, **CVstatus**)
PK : CVstatus
FK : botID reference Bot(botID)
Language(**language**, CV_id)
PK : language
FK : CV_id reference CV(CV_id)

Skill(**skill**, CV_id)
PK : skill
FK : CV_id reference CV(CV_id)

EducationExp(**eduName**, **eduType**, **eduDuration**, CV_id)
PK : eduName, eduType, eduDuration
FK : CV_id reference CV(CV_id)

WorkExp(**IndustryName**, **workDuration**, **resignReason**, CV_id)
PK : IndustryName, workDuration, resignReason
FK : CV_id reference CV(CV_id)

Bank(**bankAcc**, bankName, paymentID)
PK : bankAcc
FK : paymentID reference Payment(paymentID)

Paypal(**paypalAcc**, paymentID)
PK : paypalAcc
FK : paymentID reference Payment(paymentID)

VISA(**VISA_acc**, paymentID)
PK : VISA_acc,
FK : paymentID reference Payment(paymentID)

Boost(**boostAcc,** paymentID)
PK : boostAcc
FK : paymentID reference Payment(paymentID)

6.0 SQL Statements (DDL & DML)

6.1 Create Table

```
CREATE TABLE Talent(
        talentID VARCHAR2(10) PRIMARY KEY,
        talentName VARCHAR2(10) NOT NULL,
        password VARCHAR2(30) NOT NULL,
        PhoneNum NUMBER(11) NOT NULL,
        email VARCHAR2(30) NOT NULL
);

CREATE TABLE Orders(
        OrderID VARCHAR2(10) PRIMARY KEY,
        talentID VARCHAR2(10) NOT NULL
);

CREATE TABLE Product(
        ProductID VARCHAR2(20) PRIMARY KEY,
        ProductName VARCHAR2(20) NOT NULL,
        Price NUMBER(5,2) NOT NULL,
        content VARCHAR2(99) NOT NULL
);

CREATE TABLE Bot(
        botID VARCHAR2(10) PRIMARY KEY,
        botType VARCHAR2(10) NOT NULL
);

CREATE TABLE CV(
        CV_id VARCHAR2(10) PRIMARY KEY,
        talentID VARCHAR(10) NOT NULL,
        firstName VARCHAR2(20) NOT NULL,
        lastName VARCHAR2(20) NOT NULL,
        contactNum NUMBER(11) NOT NULL,
        address_firstLine VARCHAR2(50) NOT NULL,
        address_lastLine VARCHAR2(50) NOT NULL,
        selfintro VARCHAR2(99) NOT NULL,
        CONSTRAINT fk_CV_talentID FOREIGN KEY (talentID) REFERENCES Talent(talentID)
);


CREATE TABLE Associated_Company(
        companyID VARCHAR2(10) PRIMARY KEY,
        companyName  VARCHAR2(20) NOT NULL,
        gateway  VARCHAR2(10) NOT NULL,
        companyContact VARCHAR2(11) NOT NULL,
        contactEmail VARCHAR2(30) NOT NULL
```

```
);

CREATE TABLE Payment(
        paymentID VARCHAR2(10) PRIMARY KEY,
        paymentTotal NUMBER(10) NOT NULL,
        paymentMethod VARCHAR2(10) NOT NULL,
        paymentDetails VARCHAR2(30) NOT NULL,
        talentID VARCHAR2(10) NOT NULL,
        CONSTRAINT fk_Payment_talentID FOREIGN KEY (talentID) REFERENCES
Talent(talentID)
);

CREATE TABLE ProductList(
        ProductID VARCHAR2(10) NOT NULL,
        OrderID VARCHAR2(10) NOT NULL,
        CONSTRAINT pk_ProductList PRIMARY KEY (ProductID,OrderID),
        CONSTRAINT fk_PL_ProductID FOREIGN KEY (ProductID) REFERENCES
Product(ProductID),
        CONSTRAINT fk_PL_OrderID FOREIGN KEY (OrderID) REFERENCES
Orders(OrderID)
);

CREATE TABLE ChatBot(
        botID VARCHAR2(10) NOT NULL,
        questionText VARCHAR2(99) NOT NULL,
        answerText VARCHAR2(99) NOT NULL,
        CONSTRAINT pk_ChatBot PRIMARY KEY (questionText, answerText, botID),
        CONSTRAINT fk_CB_botID FOREIGN KEY (botID) REFERENCES Bot(botID)
);

CREATE TABLE CheckBot(
        botID VARCHAR2(10) NOT NULL,
        CVstatus VARCHAR2(10) NOT NULL,
        CV_id VARCHAR2(10) NOT NULL,
        CONSTRAINT pk_CheckBot PRIMARY KEY (botID, CVstatus),
        CONSTRAINT fk_CEB_botID FOREIGN KEY (botID) REFERENCES Bot(botID),
        CONSTRAINT fk_CheckBot_CV_id FOREIGN KEY (CV_id) REFERENCES CV(CV_id)
);

CREATE TABLE Language(
        language VARCHAR2(20) NOT NULL,
        CV_id  VARCHAR2(10) NOT NULL,
        CONSTRAINT pk_Lan_CV_id  PRIMARY KEY (language, CV_id),
        CONSTRAINT fk_Lan_CV_id  FOREIGN KEY (CV_id ) REFERENCES CV(CV_id )
);

CREATE TABLE Skill(
        skill VARCHAR2(20) NOT NULL,
        CV_id  VARCHAR2(10) NOT NULL,
        CONSTRAINT pk_SK_CV_id  PRIMARY KEY (skill, CV_id),
```

```
                CONSTRAINT fk_SK_CV_id  FOREIGN KEY (CV_id ) REFERENCES CV(CV_id )
);

CREATE TABLE EducationExp(
        eduName VARCHAR2(20) NOT NULL,
        eduType VARCHAR2(20)  NOT NULL,
        eduDuration VARCHAR2(10)  NOT NULL,
        CV_id  VARCHAR2(10) NOT NULL,
        CONSTRAINT pk_EducationExp PRIMARY KEY (eduName, eduType, eduDuration,
CV_id),
        CONSTRAINT fk_Edu_CV_id  FOREIGN KEY (CV_id ) REFERENCES CV(CV_id )
);

CREATE TABLE WorkExp(
        IndustryName VARCHAR2(20) NOT NULL,
        workDuration VARCHAR2(10) NOT NULL,
        resignReason VARCHAR2(99) NOT NULL,
        CV_id  VARCHAR2(10) NOT NULL,
        CONSTRAINT pk_WorkExp PRIMARY KEY (IndustryName, workDuration,
resignReason, CV_id),
        CONSTRAINT fk_Work_CV_id  FOREIGN KEY (CV_id ) REFERENCES CV(CV_id)
);



CREATE TABLE Bank(
        bankAcc VARCHAR2(10) NOT NULL,
        bankName VARCHAR2(20) NOT NULL,
        PaymentID VARCHAR2(10) NOT NULL,
        CONSTRAINT pk_Bank_paymentID  PRIMARY KEY (bankAcc, PaymentID),
        CONSTRAINT fk_Bank_paymentID  FOREIGN KEY (paymentID) REFERENCES
Payment(paymentID)
);

CREATE TABLE Paypal(
        paypalAcc VARCHAR2(10) NOT NULL,
        paymentID VARCHAR2(10) NOT NULL,
        CONSTRAINT pk_Paypal_paymentID  PRIMARY KEY (paypalAcc, paymentID),
        CONSTRAINT fk_Paypal_paymentID  FOREIGN KEY (paymentID) REFERENCES
Payment(paymentID)
);

CREATE TABLE VISA(
        VISA_acc VARCHAR2(10) NOT NULL,
        PaymentID VARCHAR2(10) NOT NULL,
        CONSTRAINT pk_VISA_paymentID  PRIMARY KEY (VISA_acc, PaymentID),
        CONSTRAINT fk_VISA_paymentID  FOREIGN KEY (paymentID) REFERENCES
Payment(paymentID)
);

CREATE TABLE Boost(
```

```sql
        boostAcc VARCHAR2(10) NOT NULL,
        PaymentID VARCHAR2(10) NOT NULL,
        CONSTRAINT pk_Boost_paymentID  PRIMARY KEY (boostAcc, paymentID),
        CONSTRAINT fk_Boost_paymentID  FOREIGN KEY (paymentID) REFERENCES
Payment(paymentID)
);

Create table CVlist(
        companyID VARCHAR2(10) NOT NULL,
        CV_id VARCHAR2(10) NOT NULL,
        CONSTRAINT pk_CVlist PRIMARY KEY (companyID, CV_id),
        CONSTRAINT fk_companyID FOREIGN KEY (companyID) REFERENCES
Associated_Company(companyID),
        CONSTRAINT fk_CV_id FOREIGN KEY (CV_id) REFERENCES CV(CV_id)
);

Create table Purchase(
        talentID VARCHAR2(10) NOT NULL,
        productID VARCHAR2(10) NOT NULL,
        CONSTRAINT pk_Purchase PRIMARY KEY (talentID, productID),
        CONSTRAINT fk_productID FOREIGN KEY (productID) REFERENCES
Product(productID),
        CONSTRAINT fk_talentID FOREIGN KEY (talentID) REFERENCES Talent(talentID)
);

Create table Approval(
        botID VARCHAR2(10) NOT NULL,
        CV_id VARCHAR2(10) NOT NULL,
        CONSTRAINT pk_Approval PRIMARY KEY (botID, CV_id),
        CONSTRAINT fk_botID FOREIGN KEY (botID) REFERENCES Bot(botID),
        CONSTRAINT fk_CV_id FOREIGN KEY (CV_id) REFERENCES CV(Cv_id)
);


ALTER TABLE Orders
ADD CONSTRAINT fk_Pro_talentID FOREIGN KEY(talentID) REFERENCES Talent(talentID);
```

6.2 Insert data

6.2.1 Table Talent

```sql
Insert into Talent
values ('T0001', 'Liow', 'abc123', '01755943298', 'csl@gmail.com');

Insert into Talent
values ('T0002', 'Tay', 'abc456', '01328674758', 'tay@gmail.com');
```

Insert into Talent
values ('T0003', 'Aeron', 'abc789', '01994086200', 'aeron@gmail.com');

Insert into Talent
values ('T0004', 'ChongHui', 'bbc123', '01256636097', 'lin@gmail.com');

Insert into Talent
values ('T0005', 'Cheah', 'bbc456', '01149504843', 'dname@gmail.com');

Insert into Talent
values ('T0006', 'Chan', 'bbc789', '01413734147', 'curry@gmail.com');

Insert into Talent
values ('T0007', 'Sian', 'cbc123', '01002287757', 'ooisian@gmail.com');

Insert into Talent
values ('T0008', 'Sini', 'cbc456', '01843866294', 'sini@gmail.com');

Insert into Talent
values ('T0009', 'Sana', 'cbc789', '01714095146', 'sana@gmail.com');

Insert into Talent
values ('T0010', 'kXuen', 'dbc123', '01226897545', 'ongkx@gmail.com');

Insert into Talent
values ('T0011', 'Soh', 'dbc456', '01592183094', 'feizhen@gmail.com');

Insert into Talent
values ('T0012', 'Hayden', 'dbc789', '01677977555', 'hiding@gmail.com');

Insert into Talent
values ('T0013', 'Eddy', 'ebc123', '01101305675', 'eddy@gmail.com');

Insert into Talent
values ('T0014', 'Lee', 'ebc456', '01335259685', 'bosslee@gmail.com');

Insert into Talent
values ('T0015', 'Sean', 'ebc789', '01148585938', 'sean@gmail.com');

Insert into Talent
values ('T0016', 'Kuga', 'fbc123', '01038400650', 'kuga@gmail.com');

Insert into Talent
values ('T0017', 'Kughan', 'fbc456', '01063762300', 'kughan@gmail.com');

Insert into Talent
values ('T0018', 'Naveen', 'fbc789', '01487481191', 'navin@gmail.com');

Insert into Talent
values ('T0019', 'Ali', 'gbc123', '01184356040', 'ali@gmail.com');

Insert into Talent
values ('T0020', 'Abu', 'gbc456', '01474615709', 'abu@gmail.com');

6.2.2 Table Product

Insert into Product
values ('P001', 'CV template', '99.00', '2 ATS CV template, 3 Diresct PPT email templates, 3 direct Canva templates');

Insert into Product
values ('P002', 'CV writing basic', '159.00', '1 Full Writing Top-Notch ATS CV, Powerful action verbs in CV');

Insert into Product
values ('P003', 'CV writing Pro', '199.00', '1 Full Writing Top-Notch ATS CV,Full Access Library');

Insert into Product
values ('P004', 'Webinar', '250.00', '4 modules,Full acess member area');

6.2.3 Table Orders

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0001','T0001');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0002','T0002');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0003','T0003');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0004','T0004');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0005','T0005');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0006','T0006');

INSERT INTO Orders(OrderID, talentID)

VALUES ('O0007','T0007');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0008','T0008');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0009','T0009');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0010','T0010');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0011','T0011');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0012','T0012');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0013','T0013');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0014','T0014');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0015','T0015');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0016','T0016');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0017','T0017');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0018','T0018');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0019','T0019');

INSERT INTO Orders(OrderID, talentID)
VALUES ('O0020','T0020');

6.2.4 Table Bot

insert into BOT
values ('B00', 'CheckBot');

```
insert into BOT
values ('B01', 'CheckBot');

insert into BOT
values ('B02', 'CheckBot');

insert into BOT
values ('B03', 'CheckBot');

insert into BOT
values ('B04', 'CheckBot');

insert into BOT
values ('B05', 'CheckBot');

insert into BOT
values ('B06', 'CheckBot');

insert into BOT
values ('B07', 'CheckBot');

insert into BOT
values ('B08', 'CheckBot');

insert into BOT
values ('B09', 'CheckBot');

insert into BOT
values ('B10', 'ChatBot');

insert into BOT
values ('B11', 'ChatBot');

insert into BOT
values ('B12', 'ChatBot');

insert into BOT
values ('B13', 'ChatBot');

insert into BOT
values ('B14', 'ChatBot');

insert into BOT
values ('B15', 'ChatBot');

insert into BOT
values ('B16', 'ChatBot');
```

```
insert into BOT
values ('B17', 'ChatBot');

insert into BOT
values ('B18', 'ChatBot');

insert into BOT
values ('B19', 'ChatBot');

insert into BOT
values ('B20', 'CheckBot');

insert into BOT
values ('B21', 'CheckBot');

insert into BOT
values ('B22', 'CheckBot');

insert into BOT
values ('B23', 'CheckBot');

insert into BOT
values ('B24', 'CheckBot');

insert into BOT
values ('B25', 'CheckBot');

insert into BOT
values ('B26', 'CheckBot');

insert into BOT
values ('B27', 'CheckBot');

insert into BOT
values ('B28', 'CheckBot');

insert into BOT
values ('B29', 'CheckBot');
```

6.2.5 Table CV

```
insert into CV
values ('CV0001', 'T0001', 'Liow', 'CheeSuan', '01755943298', '3, Jln Malaysia, Tmn
Malaysia', '86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
```

values ('CV0002', 'T0002', 'Tay', 'ShunWei','01328674758', '3, Jln Malaysia, Tmn Malaysia',
'86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0003', 'T0003', 'Aeron', 'Goh', '01994086200', '3, Jln Malaysia, Tmn Malaysia',
'86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0004', 'T0004', 'Lin', 'ChongHui','01256636097', '3, Jln Malaysia, Tmn Malaysia',
'86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0005', 'T0005', 'Cheah', 'SeongMen','01149504843', '3, Jln Malaysia, Tmn
Malaysia', '86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0006', 'T0006', 'Chan', 'QingYee','01413734147', '3, Jln Malaysia, Tmn Malaysia',
'86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0007', 'T0007', 'Ooi', 'WeiSian','01002287757', '3, Jln Malaysia, Tmn Malaysia',
'86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0008', 'T0008', 'Lim', 'Sini','01843866294', '3, Jln Malaysia, Tmn Malaysia',
'86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0009', 'T0009', 'Lim', 'Sana','01714095146', '3, Jln Malaysia, Tmn Malaysia',
'86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0010', 'T0010', 'Ong', 'KaiXuen','01226897545', '3, Jln Malaysia, Tmn Malaysia',
'86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0011', 'T0011', 'Soh', 'FeiZhen','01592183094', '3, Jln Malaysia, Tmn Malaysia',
'86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0012', 'T0012', 'Hayden', 'Huan','01677977555', '3, Jln Malaysia, Tmn Malaysia',
'86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0013', 'T0013', 'Eddy', 'Koh','01101305675', '3, Jln Malaysia, Tmn Malaysia',
'86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV

values ('CV0014', 'T0014', 'Lee', 'Boss','01335259685', '3, Jln Malaysia, Tmn Malaysia', '86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0015', 'T0015', 'Sean', 'Liew','01148585938', '3, Jln Malaysia, Tmn Malaysia', '86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0016', 'T0016', 'Kuga', 'nes','01038400650', '3, Jln Malaysia, Tmn Malaysia', '86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0017', 'T0017', 'Kughan', 'Raj','01063762300', '3, Jln Malaysia, Tmn Malaysia', '86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0018', 'T0018', 'Naveen', 'Ran','01487481191', '3, Jln Malaysia, Tmn Malaysia', '86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0019', 'T0019', 'Ali', 'bin Abu','01184356040', '3, Jln Malaysia, Tmn Malaysia', '86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

insert into CV
values ('CV0020', 'T0020', 'Abu', 'bin Ali','01474615709', '3, Jln Malaysia, Tmn Malaysia', '86200, Simpang Renggam, Johor', 'Hello Guys, I am clever. Please');

6.2.6 Table Payment

Insert into Payment
values ('P0001', 298, 'Bank', 'Buy product 1 and 3', 'T0001');

Insert into Payment
values ('P0002', 258, 'Paypal', 'Buy product 1 and 2', 'T0002');

Insert into Payment
values ('P0003', 449, 'VISA', 'Buy product 3 and 4', 'T0003');

Insert into Payment
values ('P0004', 548, 'Boost', 'Buy product 1, 3 and 4', 'T0004');

Insert into Payment
values ('P0005', 199, 'Bank', 'Buy product 3', 'T0005');

Insert into Payment
values ('P0006', 99, 'Boost', 'Buy product 1', 'T0006');

Insert into Payment
values ('P0007', 99, 'Bank', 'Buy product 1', 'T0007');

Insert into Payment
values ('P0008', 250, 'Paypal', 'Buy product 4', 'T0008');

Insert into Payment
values ('P0009', 159, 'Paypal', 'Buy product 2', 'T0009');

Insert into Payment
values ('P0010', 159, 'Bank', 'Buy product 2', 'T0010');

Insert into Payment
values ('P0011', 159, 'Bank', 'Buy product 2', 'T0011');

Insert into Payment
values ('P0012', 99, 'Boost', 'Buy product 1', 'T0012');

Insert into Payment
values ('P0013', 199, 'Bank', 'Buy product 3', 'T0013');

Insert into Payment
values ('P0014', 99, 'Bank', 'Buy product 1', 'T0014');

Insert into Payment
values ('P0015', 99, 'Bank', 'Buy product 1', 'T0015');

Insert into Payment
values ('P0016', 250, 'Bank', 'Buy product 4', 'T0016');

Insert into Payment
values ('P0017', 159, 'VISA', 'Buy product 2', 'T0017');

Insert into Payment
values ('P0018', 99, 'VISA', 'Buy product 1', 'T0018');

Insert into Payment
values ('P0019', 99, 'Boost', 'Buy product 1', 'T0019');

Insert into Payment
values ('P0020', 99, 'Paypal', 'Buy product 1', 'T0020');

6.2.7 Table ProductList

insert into ProductList (OrderID, ProductID)
values ('O0001', 'P001');

insert into ProductList (OrderID, ProductID)
values ('O0001', 'P003');

insert into ProductList (OrderID, ProductID)
values ('O0002', 'P001');

insert into ProductList (OrderID, ProductID)
values ('O0002', 'P002');

insert into ProductList (OrderID, ProductID)
values ('O0003', 'P002');

insert into ProductList (OrderID, ProductID)
values ('O0003', 'P004');

insert into ProductList (OrderID, ProductID)
values ('O0004', 'P001');

insert into ProductList (OrderID, ProductID)
values ('O0004', 'P003');

insert into ProductList (OrderID, ProductID)
values ('O0004', 'P004');

insert into ProductList (OrderID, ProductID)
values ('O0005', 'P003');

insert into ProductList (OrderID, ProductID)
values ('O0006', 'P001');

insert into ProductList (OrderID, ProductID)
values ('O0007', 'P001');

insert into ProductList (OrderID, ProductID)
values ('O0008', 'P004');

insert into ProductList (OrderID, ProductID)
values ('O0009', 'P002');

insert into ProductList (OrderID, ProductID)
values ('O0010', 'P002');

insert into ProductList (OrderID, ProductID)

values ('O0011', 'P002');

insert into ProductList (OrderID, ProductID)
values ('O0012', 'P001');

insert into ProductList (OrderID, ProductID)
values ('O0013', 'P003');

insert into ProductList (OrderID, ProductID)
values ('O0014', 'P001');

insert into ProductList (OrderID, ProductID)
values ('O0015', 'P001');

insert into ProductList (OrderID, ProductID)
values ('O0016', 'P004');

insert into ProductList (OrderID, ProductID)
values ('O0017', 'P002');

insert into ProductList (OrderID, ProductID)
values ('O0018', 'P001');

insert into ProductList (OrderID, ProductID)
values ('O0019', 'P001');

insert into ProductList (OrderID, ProductID)
values ('O0020', 'P001');

6.2.8 Table Purchase

insert into Purchase
values ('T0001', 'P001');

insert into Purchase
values ('T0001', 'P003');

insert into Purchase
values ('T0002', 'P001');

insert into Purchase
values ('T0002', 'P002');

insert into Purchase
values ('T0003', 'P002');

insert into Purchase
values ('T0003', 'P004');

insert into Purchase
values ('T0004', 'P001');

insert into Purchase
values ('T0004', 'P003');

insert into Purchase
values ('T0004', 'P004');

insert into Purchase
values ('T0005', 'P003');

insert into Purchase
values ('T0006', 'P001');

insert into Purchase
values ('T0007', 'P001');

insert into Purchase
values ('T0008', 'P004');

insert into Purchase
values ('T0009', 'P002');

insert into Purchase
values ('T0010', 'P002');

insert into Purchase
values ('T0011', 'P002');

insert into Purchase
values ('T0012', 'P001');

insert into Purchase
values ('T0013', 'P003');

insert into Purchase
values ('T0014', 'P001');

insert into Purchase
values ('T0015', 'P001');

insert into Purchase
values ('T0016', 'P004');

insert into Purchase
values ('T0017', 'P002');

insert into Purchase
values ('T0018', 'P001');

insert into Purchase
values ('T0019', 'P001');

insert into Purchase
values ('T0020', 'P001');

6.2.9 Table ChatBot

```
INSERT INTO ChatBot
VALUES ('B10','Halo', 'I am fine');

INSERT INTO ChatBot
VALUES ('B11','Halo', 'I am fine');

INSERT INTO ChatBot
VALUES ('B12','Halo', 'I am fine');

INSERT INTO ChatBot
VALUES ('B13','Halo', 'I am fine');

INSERT INTO ChatBot
VALUES ('B14','Halo', 'I am fine');

INSERT INTO ChatBot
VALUES ('B15','Halo', 'I am fine');

INSERT INTO ChatBot
VALUES ('B16','Halo', 'I am fine');

INSERT INTO ChatBot
VALUES ('B17','Halo', 'I am fine');

INSERT INTO ChatBot
VALUES ('B18','Halo', 'I am fine');

INSERT INTO ChatBot
VALUES ('B19','Halo', 'I am fine');
```

6.2.10 Table CheckBot

insert into CheckBot
values ('B00', 'Processing', 'CV0001');

insert into CheckBot
values ('B01', 'Approved', 'CV0002');

insert into CheckBot
values ('B02', 'Approved', 'CV0003');

insert into CheckBot
values ('B03', 'Approved', 'CV0004');

insert into CheckBot
values ('B04', 'Approved', 'CV0005');

insert into CheckBot
values ('B05', 'Processing', 'CV0006');

insert into CheckBot
values ('B06', 'Processing', 'CV0007');

insert into CheckBot
values ('B07', 'Approved', 'CV0008');

insert into CheckBot
values ('B08', 'Approved', 'CV0009');

insert into CheckBot
values ('B09', 'Failed', 'CV0010');

insert into CheckBot
values ('B20', 'Failed', 'CV0011');

insert into CheckBot
values ('B21', 'Processing', 'CV0012');

insert into CheckBot
values ('B22', 'Processing', 'CV0013');

insert into CheckBot
values ('B23', 'Processing', 'CV0014');

insert into CheckBot
values ('B24', 'Failed', 'CV0015');

insert into CheckBot

```
values ('B25', 'Processing', 'CV0016');

insert into CheckBot
values ('B26', 'Processing', 'CV0017');

insert into CheckBot
values ('B27', 'Processing', 'CV0018');

insert into CheckBot
values ('B28', 'Approved', 'CV0019');

insert into CheckBot
values ('B29', 'Approved', 'CV0020');
```

6.2.11 Table Approval

```
insert into Approval
values ('B00', 'CV0001');

insert into Approval
values ('B01', 'CV0002');

insert into Approval
values ('B02', 'CV0003');

insert into Approval
values ('B03', 'CV0004');

insert into Approval
values ('B04', 'CV0005');

insert into Approval
values ('B05', 'CV0006');

insert into Approval
values ('B06', 'CV0007');

insert into Approval
values ('B07', 'CV0008');

insert into Approval
values ('B08', 'CV0009');

insert into Approval
values ('B09', 'CV0010');
```

insert into Approval
values ('B20', 'CV0011');

insert into Approval
values ('B21', 'CV0012');

insert into Approval
values ('B22', 'CV0013');

insert into Approval
values ('B23', 'CV0014');

insert into Approval
values ('B24', 'CV0015');

insert into Approval
values ('B25', 'CV0016');

insert into Approval
values ('B26', 'CV0017');

insert into Approval
values ('B27', 'CV0018');

insert into Approval
values ('B28' 'CV0019);

insert into Approval
values ('B29', 'CV0020');

6.2.12 Table Bank

INSERT INTO Bank(bankAcc, bankName, paymentID)
VALUES ('A12345','CIMB', 'P0001');

INSERT INTO Bank(bankAcc, bankName, paymentID)
VALUES ('B34567','RHB', 'P0005');

INSERT INTO Bank(bankAcc, bankName, paymentID)
VALUES ('A23456','CIMB', 'P0007');

INSERT INTO Bank(bankAcc, bankName, paymentID)
VALUES ('C96543','MAYBANK', 'P0010');

INSERT INTO Bank(bankAcc, bankName, paymentID)
VALUES ('D56789','BSN', 'P0011');

INSERT INTO Bank(bankAcc, bankName, paymentID)
VALUES ('B56789','RHB', 'P0013');

INSERT INTO Bank(bankAcc, bankName, paymentID)
VALUES ('D76543','BSN', 'P0014');

INSERT INTO Bank(bankAcc, bankName, paymentID)
VALUES ('C75421','MAYBANK', 'P0015');

INSERT INTO Bank(bankAcc, bankName, paymentID)
VALUES ('C07866','MAYBANK', 'P0016');

6.2.13 Table Paypal

INSERT INTO PayPal(paypalAcc, paymentID)
VALUES ('K01235', 'P0002');

INSERT INTO PayPal(paypalAcc, paymentID)
VALUES ('K23457, 'P0008');

INSERT INTO PayPal(paypalAcc, paymentID)
VALUES ('K87532', 'P0009');

INSERT INTO PayPal(paypalAcc, paymentID)
VALUES ('K56789', 'P0020');

6.2.14 Table Boost

INSERT INTO Boost(boostAcc, paymentID)
VALUES ('123134', 'P0004');

INSERT INTO Boost(boostAcc, paymentID)
VALUES ('348567', 'P0006');

INSERT INTO Boost(boostAcc, paymentID)
VALUES ('753685', 'P0012');

INSERT INTO Boost(boostAcc, paymentID)
VALUES ('457235', 'P0019');

6.2.15 Table VISA

INSERT INTO VISA(VISA_acc, paymentID)
VALUES ('111111', 'P0003');

INSERT INTO VISA(VISA_acc, paymentID)
VALUES ('222222', 'P0017');

INSERT INTO VISA(VISA_acc, paymentID)
VALUES ('333333', 'P0018');

6.2.16 Table Associated Company

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0001','Banana Corp','12345', '0123456789', 'banana@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0002','Apple Corp','15678', '0162845290', 'apple@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0003','Orange Corp','62382', '0126865309', 'orange@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0004','HP Corp','54387', '0126876509', 'hp@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0005','FB Corp','62342', '0134598762', 'fb@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0006','MSI Corp','75643', '0137489352', 'msi@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0007','ACER Corp','23872', '0142897638', 'acer@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0008','Sony Corp','87456', '0145678923', 'sony@gmail.com');

```
INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0009','Dell Corp','23489', '0156789243', 'dell@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0010','Samsung Corp','76543', '0167892345', 'samsung@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0011','Intel Corp','23456', '0178923456', 'intel@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0012','Nvidia Corp','90876', '0189234567', 'nvidia@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0013','Lenovo Corp','45321', '0192345678', 'lenovo@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0014','Google Corp','12309', '0198765432', 'google@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0015','Amazon Corp','87654', '0123456780', 'amazon@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0016','Canon Corp','67543', '0123456789', 'canon@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0017','Toshiba Corp','34567', '0123456789', 'toshiba@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0018','IBM Corp','87654', '0123456789', 'ibm@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0019','Twitter Corp','34567', '0123456789', 'twitter@gmail.com');

INSERT INTO Associated_Company (companyID, companyName, gateway,
companyContact, contactEmail)
VALUES ('A0020','Uber Corp','87654', '0123456789', 'uber@gmail.com');
```

6.2.17 Table CVlist

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0001', 'CV0001');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0002', 'CV0002');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0003', 'CV0003');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0004', 'CV0004');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0005', 'CV0005');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0006', 'CV0006');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0007', 'CV0007');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0008', 'CV0008');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0009', 'CV0009');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0010', 'CV0010');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0011', 'CV0011');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0012', 'CV0012');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0013', 'CV0013');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0014', 'CV0014');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0015', 'CV0015');

INSERT INTO CVlist (companyID, CV_id)

VALUES ('A0016', 'CV0016');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0017', 'CV0017');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0018', 'CV0018');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0019', 'CV0019');

INSERT INTO CVlist (companyID, CV_id)
VALUES ('A0020', 'CV0020');

6.2.18 Table Language

INSERT INTO Language(language, CV_id)
VALUES ('BC', 'CV0001');

INSERT INTO Language(language, CV_id)
VALUES ('BI', 'CV0002');

INSERT INTO Language(language, CV_id)
VALUES ('BM', 'CV0003');

INSERT INTO Language(language, CV_id)
VALUES ('BC', 'CV0004');

INSERT INTO Language(language, CV_id)
VALUES ('BI', 'CV0005');

INSERT INTO Language(language, CV_id)
VALUES ('BM', 'CV0006');

INSERT INTO Language(language, CV_id)
VALUES ('BC', 'CV0007');

INSERT INTO Language(language, CV_id)
VALUES ('BI', 'CV0008');

INSERT INTO Language(language, CV_id)
VALUES ('BM', 'CV0009');

INSERT INTO Language(language, CV_id)
VALUES ('BC', 'CV0010');

INSERT INTO Language(language, CV_id)
VALUES ('BI', 'CV0011');

INSERT INTO Language(language, CV_id)
VALUES ('BM', 'CV0012');

INSERT INTO Language(language, CV_id)
VALUES ('BC', 'CV0013');

INSERT INTO Language(language, CV_id)
VALUES ('BI', 'CV0014');

INSERT INTO Language(language, CV_id)
VALUES ('BM', 'CV0015');

INSERT INTO Language(language, CV_id)
VALUES ('BC', 'CV0016');

INSERT INTO Language(language, CV_id)
VALUES ('BI', 'CV0017');

INSERT INTO Language(language, CV_id)
VALUES ('BM', 'CV0018');

INSERT INTO Language(language, CV_id)
VALUES ('BC', 'CV0019');

INSERT INTO Language(language, CV_id)
VALUES ('BI', 'CV0020');

6.2.19 Table Skill

INSERT INTO Skill(skill, CV_id)
VALUES ('Play', 'CV0001');

INSERT INTO Skill(skill, CV_id)
VALUES ('watch', 'CV0002');

INSERT INTO Skill(skill, CV_id)
VALUES ('see', 'CV0003');

INSERT INTO Skill(skill, CV_id)
VALUES ('cry', 'CV0004');

INSERT INTO Skill(skill, CV_id)

```
VALUES ('smile', 'CV0005');

INSERT INTO Skill(skill, CV_id)
VALUES ('talk', 'CV0006');

INSERT INTO Skill(skill, CV_id)
VALUES ('sleep', 'CV0007');

INSERT INTO Skill(skill, CV_id)
VALUES ('study', 'CV0008');

INSERT INTO Skill(skill, CV_id)
VALUES ('work hard', 'CV0009');

INSERT INTO Skill(skill, CV_id)
VALUES ('cry', 'CV0010');

INSERT INTO Skill(skill, CV_id)
VALUES ('cook', 'CV0011');

INSERT INTO Skill(skill, CV_id)
VALUES ('eat', 'CV0012');

INSERT INTO Skill(skill, CV_id)
VALUES ('brave', 'CV0013');

INSERT INTO Skill(skill, CV_id)
VALUES ('honest', 'CV0014');

INSERT INTO Skill(skill, CV_id)
VALUES ('sleep', 'CV0015');

INSERT INTO Skill(skill, CV_id)
VALUES ('study', 'CV0016');

INSERT INTO Skill(skill, CV_id)
VALUES ('talk', 'CV0017');

INSERT INTO Skill(skill, CV_id)
VALUES ('play', 'CV0018');

INSERT INTO Skill(skill, CV_id)
VALUES ('laught', 'CV0019');

INSERT INTO Skill(skill, CV_id)
VALUES ('scare', 'CV0020');
```

6.2.20 Table EducationExp

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('AUniversity','computerscience', '4 years', 'CV0001');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('BUniversity','electricalengineering', '3 years', 'CV0002');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('CUniversity','mechanicalengineering', '4 years', 'CV0003');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('DUniversity','biology', '3.5 years', 'CV0004');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('ECollege','graphicdesign', '2 years', 'CV0005');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('FCollege','businessadministration', '2.5 years', 'CV0006');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('GUniversity','physics', '4 years', 'CV0007');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('HCollege','marketing', '2 years', 'CV0008');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('IUniversity','civilengineering', '3.5 years', 'CV0009');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('JUniversity','mathematics', '4 years', 'CV0010');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('KCollege','psychology', '2.5 years', 'CV0011');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('LUniversity','chemistry', '3.5 years', 'CV0012');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('MCollege','communications', '2 years', 'CV0013');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('NUniversity','environmentalscience', '4 years', 'CV0014');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('OUniversity','linguistics', '3 years', 'CV0015');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)

VALUES ('PUniversity','sociology', '4 years', 'CV0016');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('QCollege','nursing', '2.5 years', 'CV0017');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('RUniversity','economics', '3.5 years', 'CV0018');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('SCollege','hospitalitymanagement', '2 years', 'CV0019');

INSERT INTO EducationExp (eduName, eduType, eduDuration, CV_id)
VALUES ('TUniversity','industrialengineering', '4 years', 'CV0020');

6.2.21 Table WorkExp

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('IT Services', '3 years', 'Career advancement', 'CV0001');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Financial Services', '2.5 years', 'Relocation', 'CV0002');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Healthcare', '4 years', 'Personal reasons', 'CV0003');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Manufacturing', '3 years', 'Company downsizing', 'CV0004');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Telecommunications', '2 years', 'New career opportunity', 'CV0005');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Retail', '1.5 years', 'Company restructuring', 'CV0006');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Education', '4 years', 'Contract completion', 'CV0007');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Engineering', '2.5 years', 'Better work-life balance', 'CV0008');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Marketing', '3.5 years', 'Personal growth', 'CV0009');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Media and Entertainment', '2 years', 'Job dissatisfaction', 'CV0010');

```sql
INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Automotive', '4 years', 'Seeking new challenges', 'CV0011');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Agriculture', '1.5 years', 'Better compensation', 'CV0012');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Construction', '3.5 years', 'Company relocation', 'CV0013');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Energy', '2 years', 'Job role redundancy', 'CV0014');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Consulting', '4 years', 'Career change', 'CV0015');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Real Estate', '3 years', 'Job dissatisfaction', 'CV0016');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Hospitality', '2.5 years', 'Contract not renewed', 'CV0017');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Pharmaceutical', '3.5 years', 'Company downsizing', 'CV0018');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Technology', '2 years', 'New business venture', 'CV0019');

INSERT INTO WorkExp (IndustryName, workDuration, resignReason, CV_id)
VALUES ('Transportation', '4 years', 'Better work-life balance', 'CV0020');
```

6.2.22 Retrieving Records with the USING Clause and ON Clause

(only some table is chosen to test to prove the insertion is successful)

SELECT *
FROM ProductList
JOIN Orders USING (OrderID);

ORDERID	PRODUCTID	TALENTID
00001	P001	T0001
00002	P001	T0002
00004	P001	T0004
00006	P001	T0006
00007	P001	T0007
00012	P001	T0012
00014	P001	T0014
00015	P001	T0015
00018	P001	T0018
00019	P001	T0019
00020	P001	T0020
00002	P002	T0002
00003	P002	T0003
00009	P002	T0009
00010	P002	T0010
00011	P002	T0011
00017	P002	T0017
00001	P003	T0001
00004	P003	T0004
00005	P003	T0005
00013	P003	T0013
00003	P004	T0003
00004	P004	T0004
00008	P004	T0008
00016	P004	T0016

SELECT *
FROM CV
JOIN Approval ON CV.CV_id = Approval.CV_id;

CV_ID	TALENTID	FIRSTNAME	LASTNAME	CONTACTNUM	ADDRESS_FIRSTLINE	ADDRESS_LASTLINE	SELFINTRO	BOTID	CV_ID
CV0001	T0001	Liow	CheeSuan	1755943298	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B00	CV0001
CV0002	T0002	Tay	ShunWei	1328674758	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B01	CV0002
CV0003	T0003	Aeron	Goh	1994086200	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B02	CV0003
CV0004	T0004	Lin	ChongHui	1256636097	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B03	CV0004
CV0005	T0005	Cheah	SeongMen	1149504843	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B04	CV0005
CV0006	T0006	Chan	QingYee	1413734147	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B05	CV0006
CV0007	T0007	Ooi	WeiSian	1002287757	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B06	CV0007
CV0008	T0008	Lim	Sini	1843866294	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B07	CV0008
CV0009	T0009	Lim	Sana	1714095146	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B08	CV0009
CV0010	T0010	Ong	KaiXuen	1226897545	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B09	CV0010
CV0011	T0011	Soh	FeiZhen	1592183094	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B20	CV0011
CV0012	T0012	Hayden	Huan	1677977555	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B21	CV0012
CV0013	T0013	Eddy	Koh	1101305675	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B22	CV0013
CV0014	T0014	Lee	Boss	1335259685	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B23	CV0014
CV0015	T0015	Sean	Liew	1148585938	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B24	CV0015
CV0016	T0016	Kuga	nes	1038400650	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B25	CV0016
CV0017	T0017	Kughan	Raj	1063762300	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B26	CV0017
CV0018	T0018	Naveen	Ran	1487481191	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B27	CV0018
CV0019	T0019	Ali	bin Abu	1184356040	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B28	CV0019
CV0020	T0020	Abu	bin Ali	1474615709	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	B29	CV0020

SELECT *
FROM Talent
JOIN Payment USING (talentID);

TALENTID	TALENTNAME	PASSWORD	PHONENUM	EMAIL	PAYMENTID	PAYMENTTOTAL	PAYMENTMETHOD	PAYMENTDETAILS
T0001	Liow	abc123	1755943298	csl@gmail.com	P0001	298	Bank	Buy product 1 and 3
T0002	Tay	abc456	1328674758	tay@gmail.com	P0002	258	Paypal	Buy product 1 and 2
T0003	Aeron	abc789	1994086200	aeron@gmail.com	P0003	449	VISA	Buy product 2 and 4
T0004	ChongHui	bbc123	1256636097	lin@gmail.com	P0004	548	Boost	Buy product 1, 3 and 4
T0005	Cheah	bbc456	1149504843	dname@gmail.com	P0005	199	Bank	Buy product 3
T0006	Chan	bbc789	1413734147	curry@gmail.com	P0006	99	Boost	Buy product 1
T0007	Sian	cbc123	1002287757	ooisian@gmail.com	P0007	99	Bank	Buy product 1
T0008	Sini	cbc456	1843866294	sini@gmail.com	P0008	250	Paypal	Buy product 4
T0009	Sana	cbc789	1714095146	sana@gmail.com	P0009	159	Paypal	Buy product 2
T0010	kXuen	dbc123	1226897545	ongkx@gmail.com	P0010	159	Bank	Buy product 2
T0011	Soh	dbc456	1592183094	feizhen@gmail.com	P0011	159	Bank	Buy product 2
T0012	Hayden	dbc789	1677977555	hiding@gmail.com	P0012	99	Boost	Buy product 1
T0013	Eddy	ebc123	1101305675	eddy@gmail.com	P0013	199	Bank	Buy product 3
T0014	Lee	ebc456	1335259685	bosslee@gmail.com	P0014	99	Bank	Buy product 1
T0015	Sean	ebc789	1148585938	sean@gmail.com	P0015	99	Bank	Buy product 1
T0016	Kuga	fbc123	1038400650	kuga@gmail.com	P0016	250	Bank	Buy product 4
T0017	Kughan	fbc456	1063762300	kughan@gmail.com	P0017	159	VISA	Buy product 2
T0018	Naveen	fbc789	1487481191	navin@gmail.com	P0018	99	VISA	Buy product 1
T0019	Ali	gbc123	1184356040	ali@gmail.com	P0019	99	Boost	Buy product 1
T0020	Abu	gbc456	1474615709	abu@gmail.com	P0020	99	Paypal	Buy product 1

SELECT *
FROM ProductList
JOIN Product ON ProductList.ProductID = Product.ProductID
JOIN Orders ON ProductList.OrderID = Orders.OrderID;

PRODUCTID	ORDERID	PRODUCTID	PRODUCTNAME	PRICE	CONTENT	ORDERID	TALENTID
P001	00001	P001	CV template	99	2 ATS CV template, 3 Diresct PPT email templates, 3 direct Canva templates	00001	T0001
P003	00001	P003	CV writing Pro	199	1 Full Writing Top-Notch ATS CV,Full Access Library	00001	T0001
P001	00002	P001	CV template	99	2 ATS CV template, 3 Diresct PPT email templates, 3 direct Canva templates	00002	T0002
P002	00002	P002	CV writing basic	159	1 Full Writing Top-Notch ATS CV, Powerful action verbs in CV	00002	T0002
P002	00003	P002	CV writing basic	159	1 Full Writing Top-Notch ATS CV, Powerful action verbs in CV	00003	T0003
P004	00003	P004	Webinar	250	4 modules,Full acess member area	00003	T0003
P001	00004	P001	CV template	99	2 ATS CV template, 3 Diresct PPT email templates, 3 direct Canva templates	00004	T0004
P003	00004	P003	CV writing Pro	199	1 Full Writing Top-Notch ATS CV,Full Access Library	00004	T0004
P004	00004	P004	Webinar	250	4 modules,Full acess member area	00004	T0004
P003	00005	P003	CV writing Pro	199	1 Full Writing Top-Notch ATS CV,Full Access Library	00005	T0005
P001	00006	P001	CV template	99	2 ATS CV template, 3 Diresct PPT email templates, 3 direct Canva templates	00006	T0006
P001	00007	P001	CV template	99	2 ATS CV template, 3 Diresct PPT email templates, 3 direct Canva templates	00007	T0007
P004	00008	P004	Webinar	250	4 modules,Full acess member area	00008	T0008
P002	00009	P002	CV writing basic	159	1 Full Writing Top-Notch ATS CV, Powerful action verbs in CV	00009	T0009
P002	00010	P002	CV writing basic	159	1 Full Writing Top-Notch ATS CV, Powerful action verbs in CV	00010	T0010
P002	00011	P002	CV writing basic	159	1 Full Writing Top-Notch ATS CV, Powerful action verbs in CV	00011	T0011
P001	00012	P001	CV template	99	2 ATS CV template, 3 Diresct PPT email templates, 3 direct Canva templates	00012	T0012
P003	00013	P003	CV writing Pro	199	1 Full Writing Top-Notch ATS CV,Full Access Library	00013	T0013
P001	00014	P001	CV template	99	2 ATS CV template, 3 Diresct PPT email templates, 3 direct Canva templates	00014	T0014
P001	00015	P001	CV template	99	2 ATS CV template, 3 Diresct PPT email templates, 3 direct Canva templates	00015	T0015
P004	00016	P004	Webinar	250	4 modules,Full acess member area	00016	T0016
P002	00017	P002	CV writing basic	159	1 Full Writing Top-Notch ATS CV, Powerful action verbs in CV	00017	T0017
P001	00018	P001	CV template	99	2 ATS CV template, 3 Diresct PPT email templates, 3 direct Canva templates	00018	T0018
P001	00019	P001	CV template	99	2 ATS CV template, 3 Diresct PPT email templates, 3 direct Canva templates	00019	T0019
P001	00020	P001	CV template	99	2 ATS CV template, 3 Diresct PPT email templates, 3 direct Canva templates	00020	T0020

SELECT *
FROM CV
JOIN Language USING (CV_id);

CV_ID	TALENTID	FIRSTNAME	LASTNAME	CONTACTNUM	ADDRESS_FIRSTLINE	ADDRESS_LASTLINE	SELFINTRO	LANGUAGE
CV0001	T0001	Liow	CheeSuan	1755943298	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BC
CV0004	T0004	Lin	ChongHui	1256636097	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BC
CV0007	T0007	Ooi	WeiSian	1002287757	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BC
CV0010	T0010	Ong	KaiXuen	1226897545	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BC
CV0013	T0013	Eddy	Koh	1101305675	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BC
CV0016	T0016	Kuga	nes	1038400650	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BC
CV0019	T0019	Ali	bin Abu	1184356040	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BC
CV0002	T0002	Tay	ShunWei	1328674758	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BI
CV0005	T0005	Cheah	SeongMen	1149504843	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BI
CV0008	T0008	Lim	Sini	1843866294	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BI
CV0011	T0011	Soh	FeiZhen	1592183094	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BI
CV0014	T0014	Lee	Boss	1335259685	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BI
CV0017	T0017	Kughan	Raj	1063762300	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BI
CV0020	T0020	Abu	bin Ali	1474615709	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BI
CV0003	T0003	Aeron	Goh	1994086200	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BM
CV0006	T0006	Chan	QingYee	1413734147	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BM
CV0009	T0009	Lim	Sana	1714095146	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BM
CV0012	T0012	Hayden	Huan	1677977555	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BM
CV0015	T0015	Sean	Liew	1148585938	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BM
CV0018	T0018	Naveen	Ran	1487481191	3, Jln Malaysia, Tmn Malaysia	86200, Simpang Renggam, Johor	Hello Guys, I am clever. Please	BM

7.0 Summary

To sum up, our team completed the important stages of the "GetMe Hired" project, which resulted in the SQL implementation and database logical design. The process of transforming the conceptual entity-relationship diagram (ERD) into a strong, logical ERD required careful consideration of functional dependencies, which were determined by reviewing and updating business rules. The creation of database relation schemas and normalization to the Third Normal Form (3NF) that followed highlights our dedication to improving data management and finding a balance between integrity and efficiency in "GetMe Hired." The system can be accessed and operated more effectively and efficiently if data redundancy is kept to a minimum.

In order to appropriately represent the modifications made throughout the normalization process, our team also gave top priority to updating the data dictionary. These days, the data dictionary is a thorough resource that provides in-depth understanding of the characteristics, entities, and connections within the system. The last stage in the process was using the Oracle SQL Developer tool to create tables using SQL statements. To put it briefly, our team is optimistic that these coordinated efforts will provide a "GetMe Hired" system that is both more efficient and easier to use, greatly improving both system efficiency and user experience overall while being inside the Third Normal Form.