



SECD2523 - Database

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## **System Documentation (SD)**

GetMe Hired (CV generator website) Talent  
System

**< Phase 2 >**

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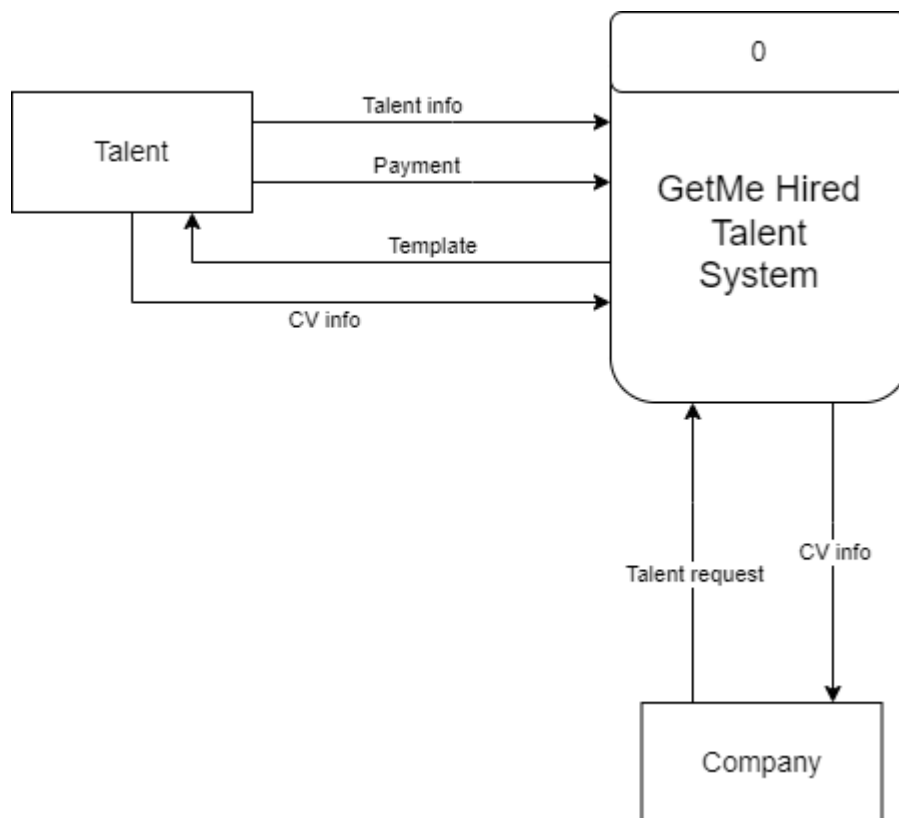
# **1.0 Introduction**

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 Data Flow Diagram (DFD)(to-be)



Context Diagram

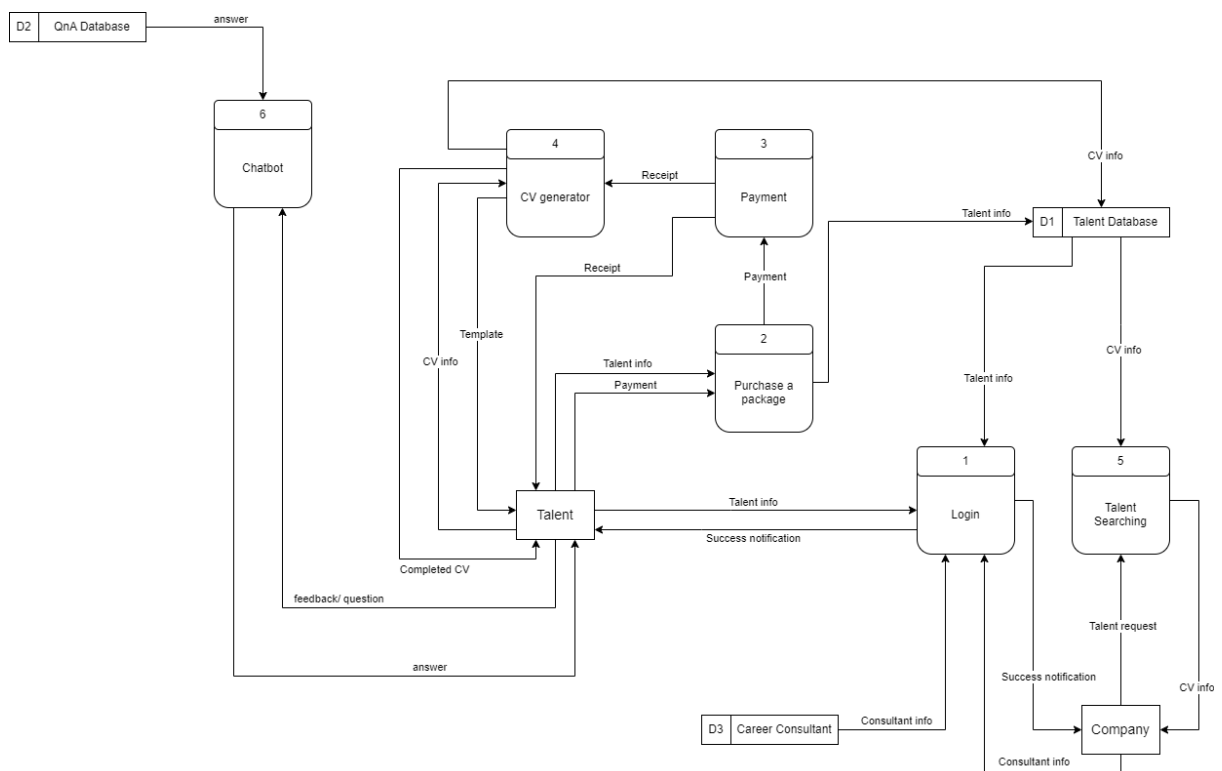
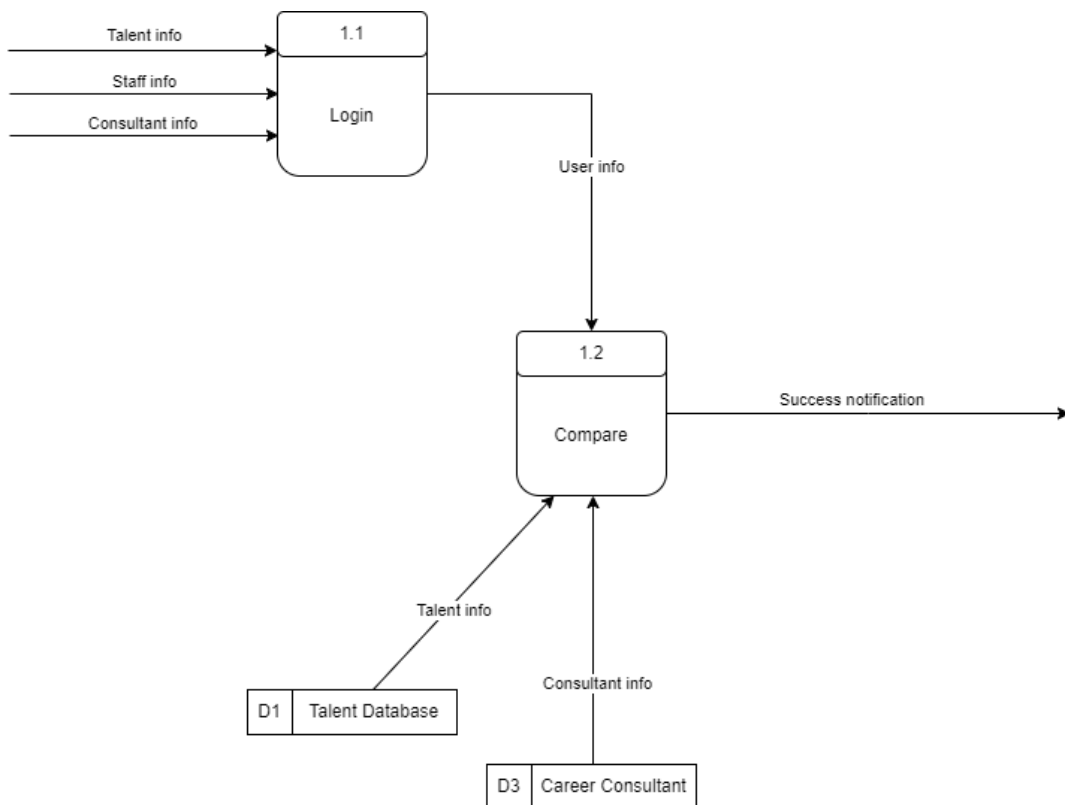
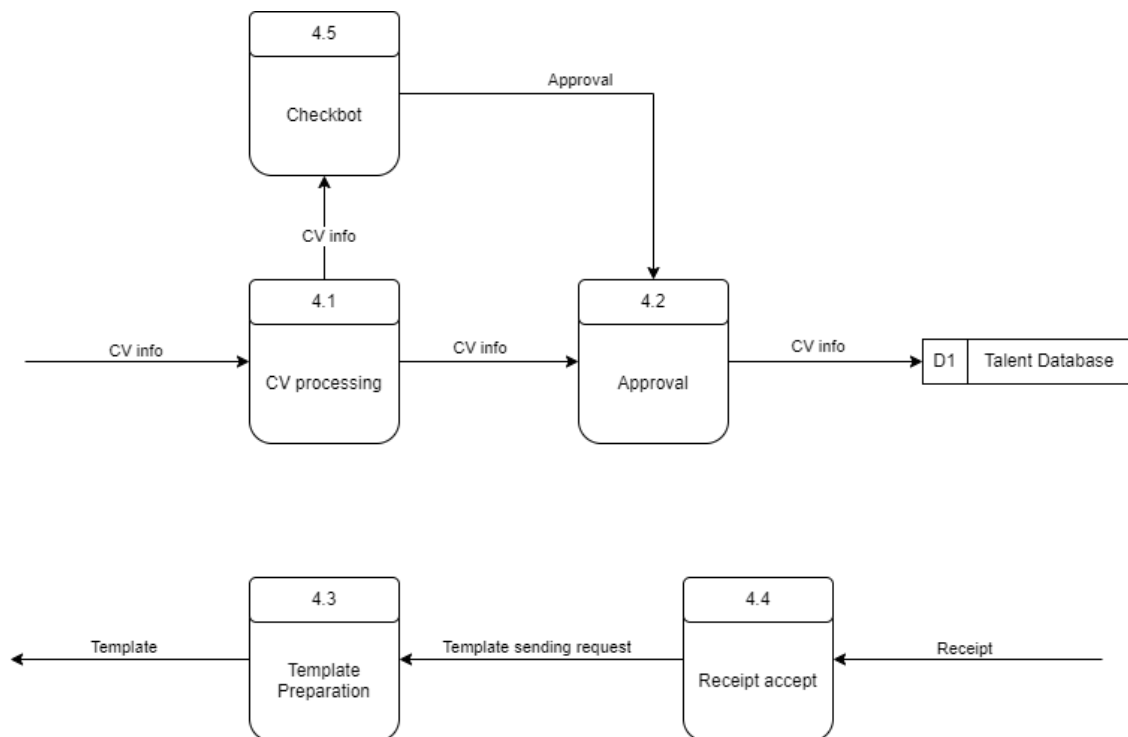


Diagram 0



Child Diagram (Login)



Child Diagram (CV generator)

## **3.0 Data & Transaction requirement**

### **3.1 Proposed 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 by their real information.
5. Users need to do the payment before getting the CV template.
6. Talent needs to fill in the CV information with the evidence needed.
7. Talents need to turn on their notification so they can receive the approval from the system.

### **3.2 Proposed data & transactional**

#### **Data Requirementment**

##### **Talent**

An individual seeking employment through the HitMe Hired Talent system is referred to as a talent. Talents are required to provide their contact information, including first name, last name, password, phone number, and email address. All this information will be stored as data, and each talent will be assigned a unique ID number.

##### **Company**

Company consultants log in with their details, including company name, password, contact number and email address. This information is stored as data, and a unique company ID is assigned to each company.

##### **Chatbot**

The unique bot ID is prepared for each chatbot and checkbot. Chatbot give a platform for the users to ask a question and answer based on the keyword in question from the QnA database.

##### **CV**

The CV needs the talent to fill the name, contact number, email, home address, self-introduction, language, technical skills, education experience and work experience. These information are stored as the data. The unique ID number is provided for each CV.

##### **CV template**

Each CV template is given unique ID number. The information are stored in data. The template format is provided for each talent to select.

##### **Payment**

Payment data includes the payment number, payment amount, payment date and time, payment method and payment status. Each payment is assigned a unique payment number. All the information is stored in data.

## **Receipt**

The data stored on the receipt data are reference number, payment details, name and email address of the payer. Each receipt is assigned a unique receipt number.

## **Transactional**

### **Data entry**

Enter the information about the talent

Enter the information of the company

Enter the details of the payment

Enter the details of the receipt

Enter the details of the CV

Enter the answer and question

### **Data update/deletion**

Update/delete the information about the talent

Update/delete the information of the company

Update/delete the details of the payment

Update/delete the details of the receipt

Update/deletion details of the CV

Update/delete the answer and question

### **Data queries**

List the information about the talent

List the information of the company

List the details of the product

List the details of the payment

List the details of the receipt

List the details of the CV

List the answer and question

Display the details payment

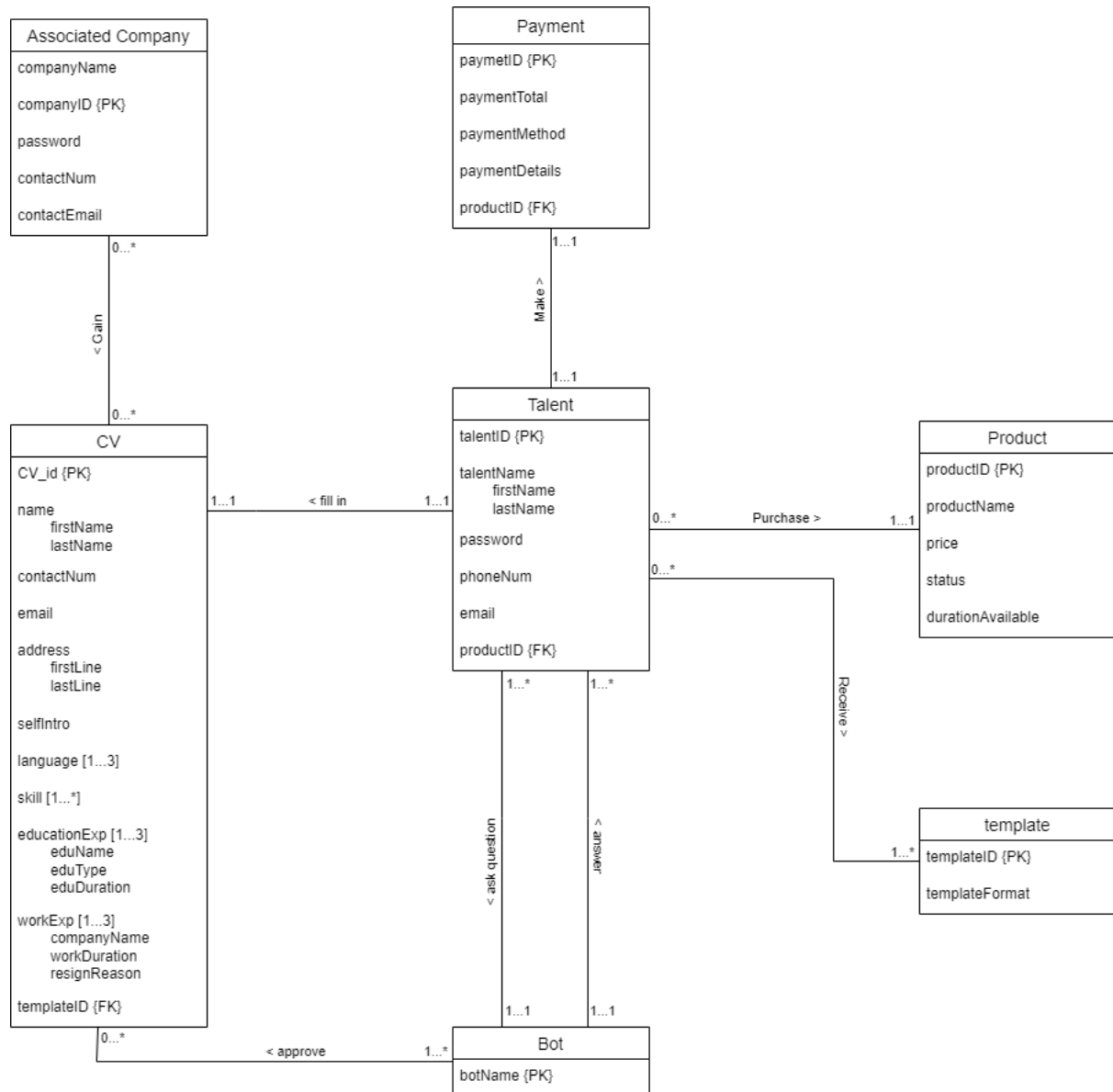
Display the CV for each talent

Display questions with their answer

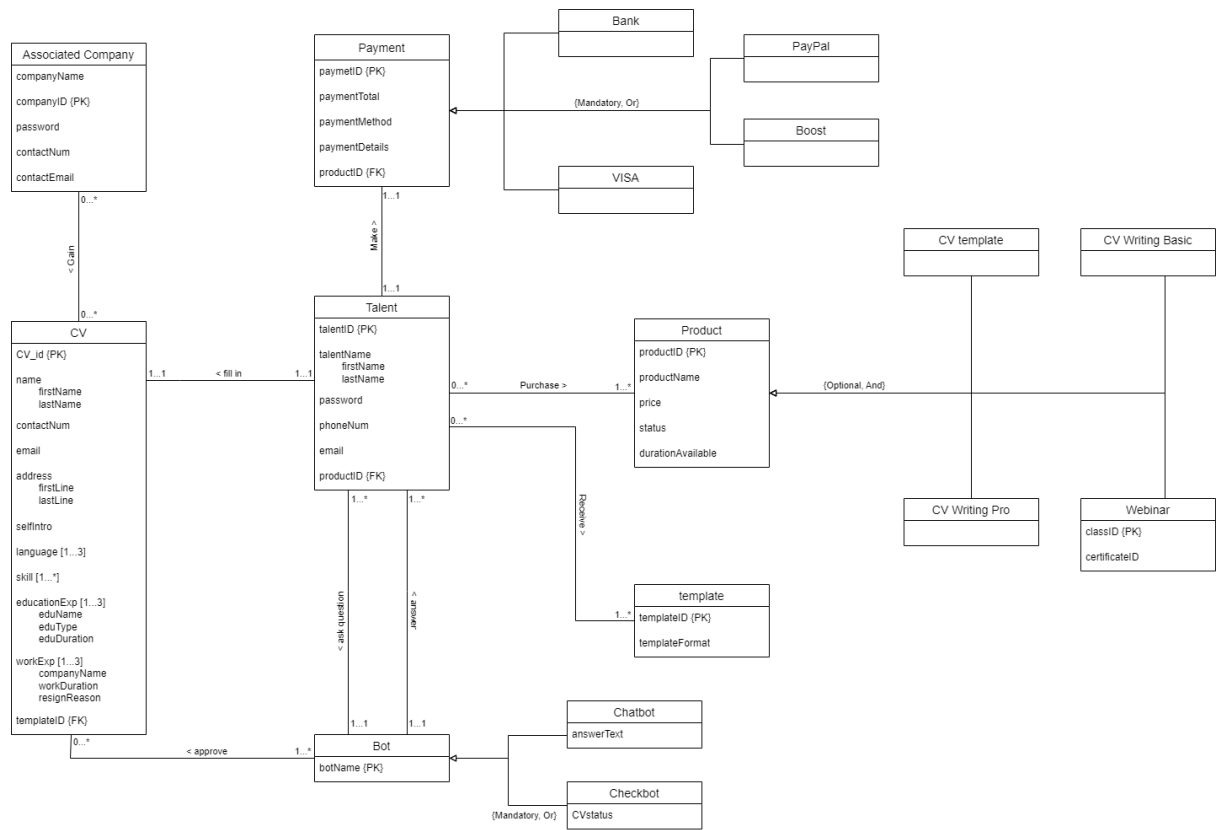


## 4.0 Database conceptual design

### 4.1 Conceptual ERD



## 4.2 Enhanced ERD (EERD)



## 5.0 Data dictionary

Entity name	Multiplicity	Relationship	Entity Name	Multiplicity
Asscoiateed Company	0...*	Gain	CV	0...*
Talent	1...1	fill in	CV	1...1
Talent	1...1	make	Payment	1...1
Talent	0...*	purchase	Product	1...1
Talent	0...*	receive	template	1...*
Talent	1...*	ask	Bot	1...1
Bot	1...1	answer	Talent	1...*
Bot	1...*	approve	CV	0...*

Entity Name	Attributes	Data Type	Multi-valued
Asscoiateed Company	companyName companyID (PK) password contactNum contactEmail	varchar2 varchar2 varchar2 number varchar2	no no no no no
Talent	talent Name (PK) firstname lastName password phoneNum email productID (FK)	varhcar2 varchar2 varchar2 varhcar2 number varhcar2 varchar2	no no no no no no no
Bot	botName (PK)	varchar2	no
CV	CV_id (PK) name firstName lastName contact Num email address firstLine lastLine selfintro language [1...3]	varchar2 varchar2 varchar2 varchar2 number varchar2 varchar2 varchar2 varchar2 varchar2 varchar2	no no no no no no no no no no yes

	skill [1...*] educationType [1...3] eduName eduType eduDuration workExp [1...3] companyName workDuration resignReason templateID (FK)	varchar2 varchar2 varchar2 varchar2 varchar2 varchar2 varchar2 varchar2 varchar2 varchar2	yes yes no no no yes no no no no
Payment	paymentID (PK) paymentTotal paymentMethod paymentDetails productID (FK)	varchar2 number varchar2 varchar2 varchar2	no no no no no
Product	productID (PK) productName price status durationAvailable	varchar2 varchar2 number varchar2 number	no no no no no
template	templateID (PK) templateFormat	varchar2 varchar2	no no

## **6.0 Summary**

Based on the information we got from the GetMeHired Manager, we had to present it out through the word based and also diagrams such as business rules, DFD, ERD and also EERD. All of these are to make the process more visible and we can get to know which part needs to be enhanced. Besides, through the flow in the diagram, we can easily add and connect the new enhanced features by looking at the diagram.

Besides, we have done all the explanations about the features and the attributes inside the diagram to make sure that the developer team and manager can understand the diagram. We have also listed the data and transaction requirements about this system to make sure the system will not be changed after enhancement or adding features.

In this phase, we not only present the current system process but we also analyze what we can do to enhance the system. Inside this phase of the process, we can determine the possible enhancement of the system afterwards to make sure GetMeHired has more stable and more useful features for their customers.