

VIETNAM GENERAL CONFEDERATION OF LABOUR
TON DUC THANG UNIVERSITY
Faculty of Information Technology



**SERVICE-ORIENTED ARCHITECTURE
FINAL PROJECT**

**INTERVIEW PROCESS MANAGER -
SYSTEM REQUIREMENT**

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Abstract

Interview Process Management (IPM) is a program that helps automatically manage interview process in FPT Software from potential candidate management to the end of the process when candidates become official staff.

1 Objective

This System Requirement provides detail descriptions about all functional and non-functional requirements of the system.

2 Description (Functional Requirement)

- Receive and save request to database automatically.
- Able to manage the events had happened in the systems(logging).
- Able to update the interview results.
- Candidates can apply the interview from online form.

2.1 Actor

- Admin: The manager of the users informations.
- HR: Human Resource.
- Interviewer.

2.2 Use Case

- Login: Allow user to login to system.
- Manage Candidates: Allow user to manage candidates who are in interview.
- Manage Positions (Positions, Skills): Allow user to manage which position and skills candidates in the interview.
- Manage Interviews Information: Allow user to manage details of the interview.
- Manage Users: Allow admin manage all users in the system.
- Logging: Save history of system.

2.3 Relationship

Use Case - Actor	Admin	HR	Interviewer
Login	x	x	x
Manage Candidates		x	x
Manage Positions		x	
Manage Interviews Information		x	
Manage Users	x		
Logging	x	x	x

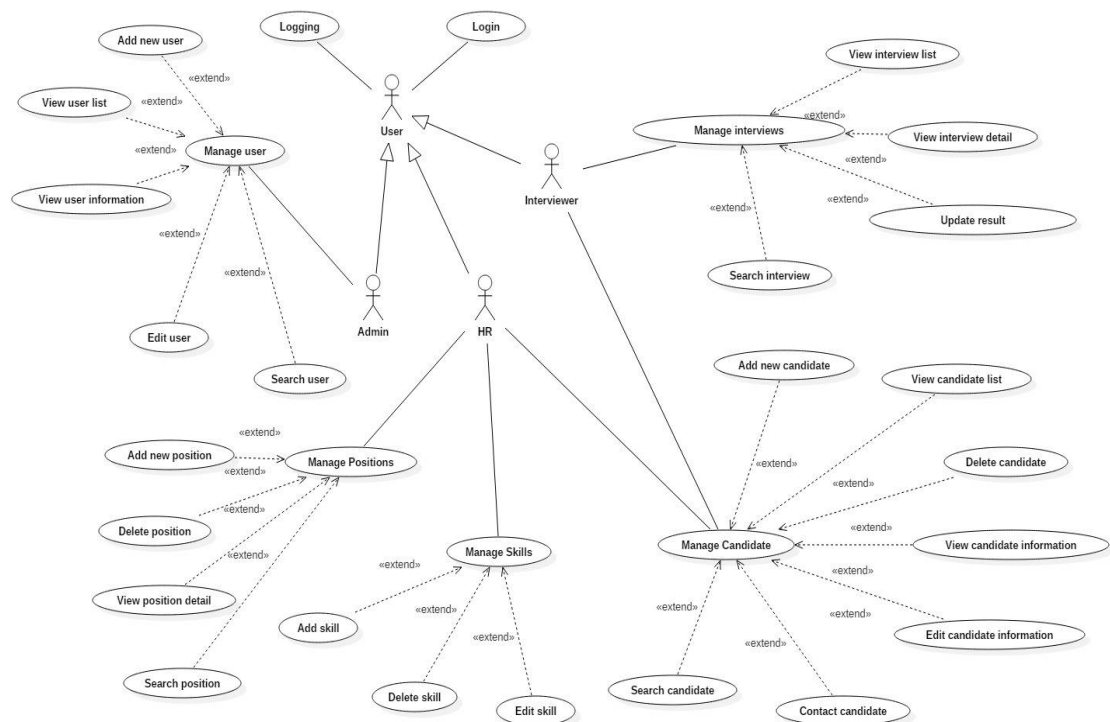
3 Non-Functional Requirement

- This system is built for internal use and only those who are granted accounts can be logged in and use the system with their roles.

- User accounts are only provided from the system admin.
- Each role has different function, and only the admin can authorize to account.
- Browsers: Microsoft Edge, Google Chrome, Mozilla Firefox.
- Operating system(OS): Windows 7, Windows 8.1, Windows 10.

4 System Design

4.1 Use case Diagram



4.2 Use case Description

4.2.1 Login

Usecase		Login	
Actor		Admin, HR and Interviewer	
Description		login into the system	
Pre-condition		Go to the url of system	
Post condition		Login success	
Main flow			
Actor		System	
1	Actor fill username and password		
2	Actor click login button		
		3	The system check username and password with database
		4	The system send message "login success"

4.2.2 Log out

Usecase		Log out	
Actor		Admin, HR and Interviewer	
Description		log out of the system	
Pre-condition		Login succeed	
Post condition		Log out success	
Main flow			
Actor		System	
1	Actor click login button		
		2	The system logout the actor out of system
		3	The system send message "logout success"

4.2.3 Logging

Usecase		Logging	
Actor		Admin, HR and Interviewer	
Description		Records activity log	
Pre-condition		Login succeed	
Post condition		Records activity log of actor	
Main flow			
Actor		System	
1	Actor login into the system		
		2	The system record activities log of actor

4.2.4 Manage Users

Usecase	Manage Users
Actor	Admin
Description	Views users list, add, delete, or update user in list
Pre-condition	Login succeed
Post condition	Displays the users list
Main flow	
Actor	System
1	Admin choose Manage Users
	2 The system queries the database
	3 the system shows users list

4.2.5 Manage Candidates

Usecase	Manage Candidates
Actor	HR and Interviewer
Description	views candidates list
Pre-condition	Login succeed
Post condition	Displays the candidates list
Main flow	
Actor	System
1	Actor choose Manage Candidates
	2 The system queries to the Database
	3 The system shows the candidates list

4.2.6 Manage Skills

Usecase	Manage Skills
Actor	HR
Description	View skills list
Pre-condition	Login succeed
Post condition	Displays the skills list
Main flow	
Actor	System
1	HR choose Manage Skills
	2 The system queries to the database
	3 The system shows skills list

4.2.7 Manage Positions

Usecase		Manage Positions	
Actor		HR	
Description		View Positions list	
Pre-condition		Login succeed	
Post condition		Displays the positions list	
Main flow			
Actor		System	
1	HR choose Manage Positions		
		2	The system queries to the database
		3	The system shows postions list

4.2.8 Manage Interviews

Usecase		Manage Interviews	
Actor		Interviewer	
Description		View interviews list	
Pre-condition		Login succeed	
Post condition		Displays the interviews list	
Main flow			
Actor		System	
1	Interviewer choose Manage Interviews		
		2	The system queries to the database
		3	The system shows interviews list

4.2.9 Add New User

Usecase	Add New User
Actor	Admin
Description	Add new user into users list
Pre-condition	Login succeed, is on page "Manage Users"
Post condition	Add new user successfully
Main flow	
Actor	System
1	Admin choose Add New User
	2 Load page "Add New User"
3	Enter required information
	4 System validate entered information
5	Edit information if system check it's not correct.
	6 Save information of new user into database. Notification add successfully. Navigate to the page Manage User.

4.2.10 Delete User

Usecase	Delete User
Actor	Admin
Description	Remove user from users list
Pre-condition	Login succeed, is on page "Manage Users", is selecting user
Post condition	Delete user successfully
Main flow	
Actor	System
1	Admin choose button Delete
	2 Delete user from database Notification delete successfully. Navigate to the page Manage User.

4.2.11 Update User Information

Usecase	Update User Information		
Actor	Admin		
Description	Update all information of choosing user		
Pre-condition	Login succeed, is on page "Manage Users"		
Post condition	Load user information page to review.		
Main flow			
Actor		System	
1	Admin choose button Update		
		2	Display current user information detail page
3	Update user information		
4	Click button Update		
		5	Update user information in database.

4.2.12 Add New Candidate

Usecase		Add New Candidate	
Actor		HR, Interviewer	
Description		Add new candidate into candidate list	
Pre-condition		Login succeed, is on page "Manage Candidates"	
Post condition		Add new candidate successfully	
Main flow			
Actor		System	
1	Admin choose Add New Candidate		
		2	Load page "Add New Candidate"
3	Enter required information		
		4	System validate entered information
5	Edit information if system check it's not correct.		
		6	Save information of new candidate into database. Notification add successfully. Navigate to the page Manage Candidate.

4.2.13 Delete Candidate

Usecase	Delete Candidate
Actor	HR, Interviewer
Description	Remove candidate from users list
Pre-condition	Login succeed, on page "Manage Candidates"
Post condition	Delete candidate successfully
Main flow	
Actor	System
1 Admin choose button Delete	
	2 Delete candidate from database Notification delete successfully. Navigate to the page Manage Candidate.

4.2.14 Update Candidate Information

Usecase	Update Candidate Information
Actor	HR, Interviewer
Description	Update all information of choosing candidate
Pre-condition	Login succeed, is on page "Manage Candidates"
Post condition	Load candidate information page to review.
Main flow	
Actor	System
1 Admin choose button Update	
	2 Display current candidate information detail page
3 Update candidate information	
4 Click button Update	
	5 Update candidate information in database.

4.2.15 Contact Candidate

Usecase	Contact Candidate
Actor	HR and Interviewer
Description	Make an appointment for an interview
Pre-condition	Login succeed, on page "Manage Candidates"
Post condition	Make an appointment for an interview success
Main flow	
Actor	System
1	clicks the button "Contact"
	2 displays contact form"
3	fills contact information and click "send"
	4 sends to candidate an email about interview datetime

4.2.16 Search Candidate

Usecase	Search Candidate
Actor	HR and Interviewer
Description	Search candidate or candidates
Pre-condition	Login succeed, on page "Manage Candidates"
Post condition	find candidate allow keyword
Main flow	
Actor	System
1	fill keyword into input box
	2 find all candidates have keyword

4.2.17 Add New Position

Usecase		Add New Position	
Actor		HR	
Description		Add new position into position list	
Pre-condition		Login succeed, is on page "Manage Positions"	
Post condition		Add new position successfully	
Main flow			
Actor		System	
1	Admin choose Add New Positions		
		2	Load page "Add New Position"
3	Enter required information		
		4	System validate entered information
5	Edit information if system check it's not correct.		
		6	Save information of new position into database. Notification add successfully. Navigate to the page Manage Positions.

4.2.18 Delete Position

Usecase	Delete Position		
Actor	HR		
Description	Remove position from users list		
Pre-condition	Login succeed, is on page "Manage Positions", is selecting position		
Post condition	Delete position successfully		
Main flow			
Actor		System	
1	Admin choose button Delete		
		2	Delete position from database Notification delete successfully. Navigate to the page Manage Positions.

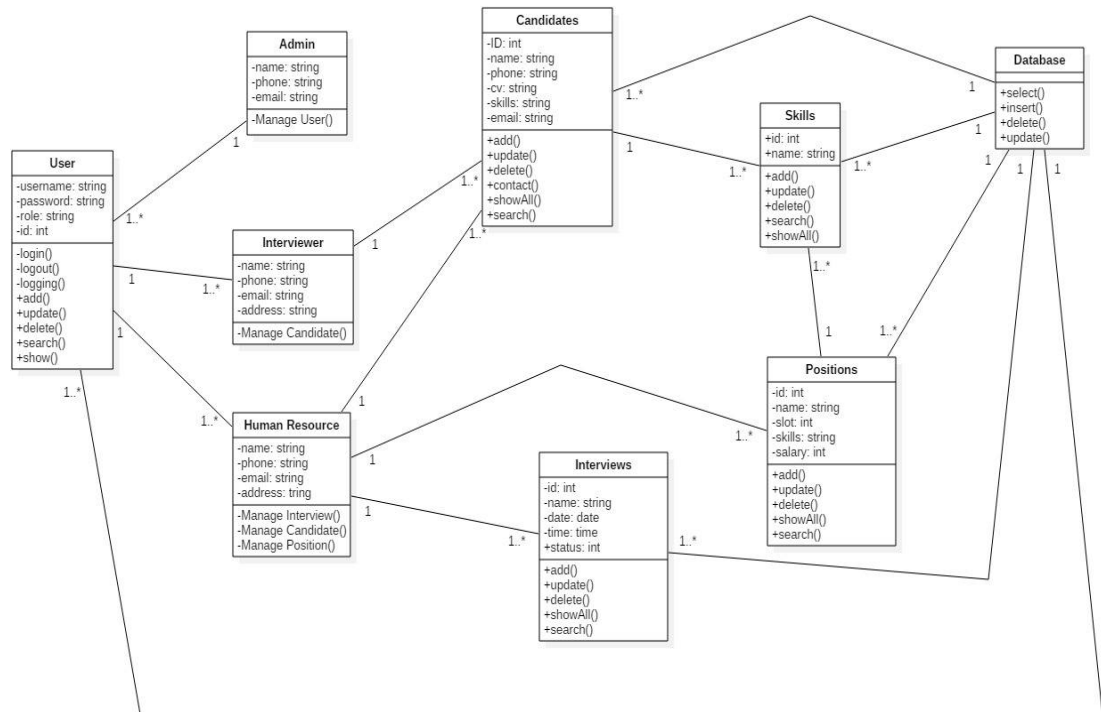
4.2.19 Update Position Information

Usecase	Update Position Information		
Actor	HR		
Description	Update all information of choosing position		
Pre-condition	Login succeed, is on page "Manage Positions"		
Post condition	Load position information page to review.		
Main flow			
Actor		System	
1	Admin choose button Update		
		2	Display current position information detail page
3	Update candidate information		
4	Click button Update		
		5	Update position information in database.

4.2.20 Search Interview

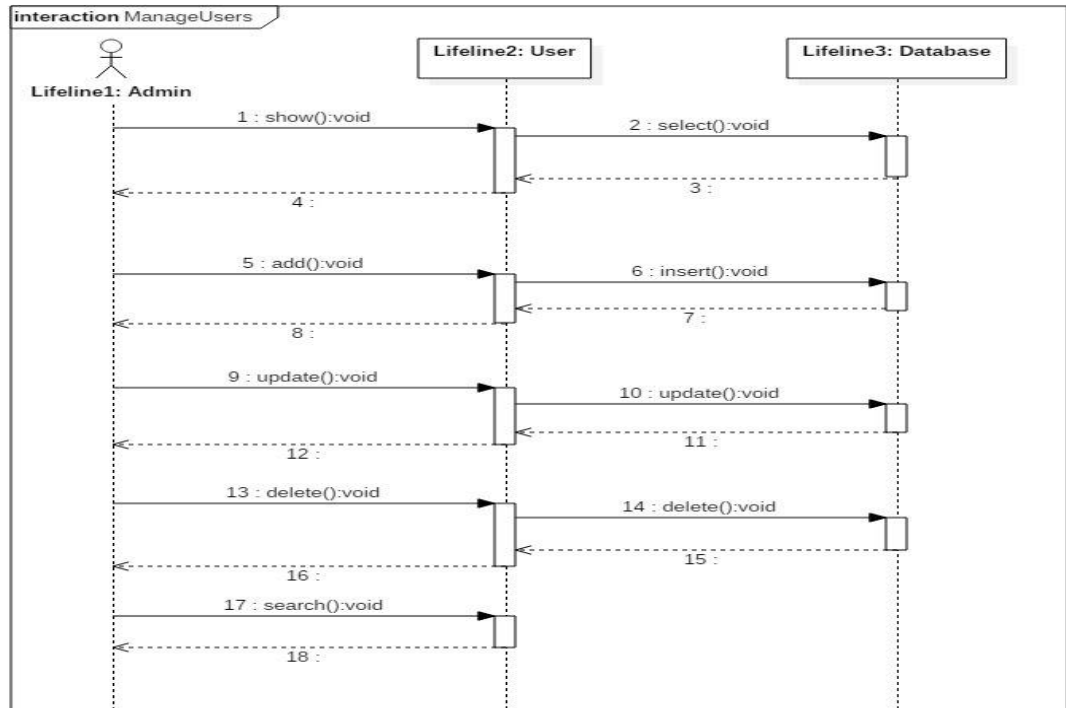
Usecase		Search Interview	
Actor		Interviewer	
Description		Search interview	
Pre-condition		Login succeed, on page "Manage Interviews"	
Post condition		find out the interview with key-word	
Main flow			
Actor		System	
1	fills keyword into searching box		
		2	finds the interviews have key-word

4.3 Class Diagram

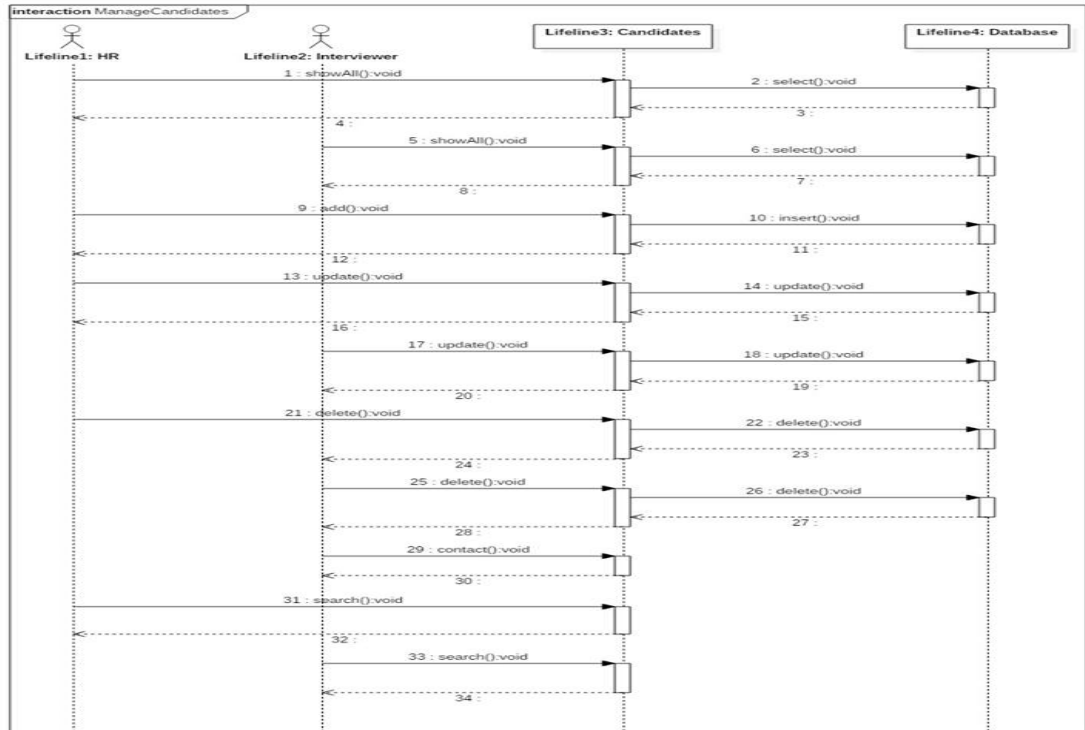


4.4 Sequence Diagram

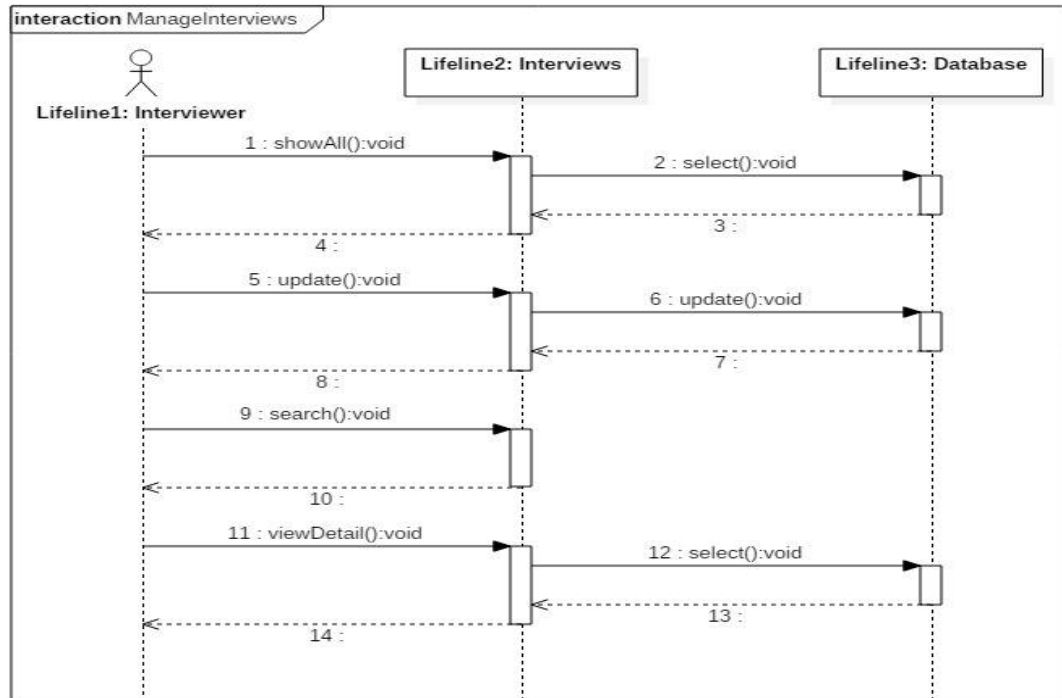
4.4.1 Manage Users



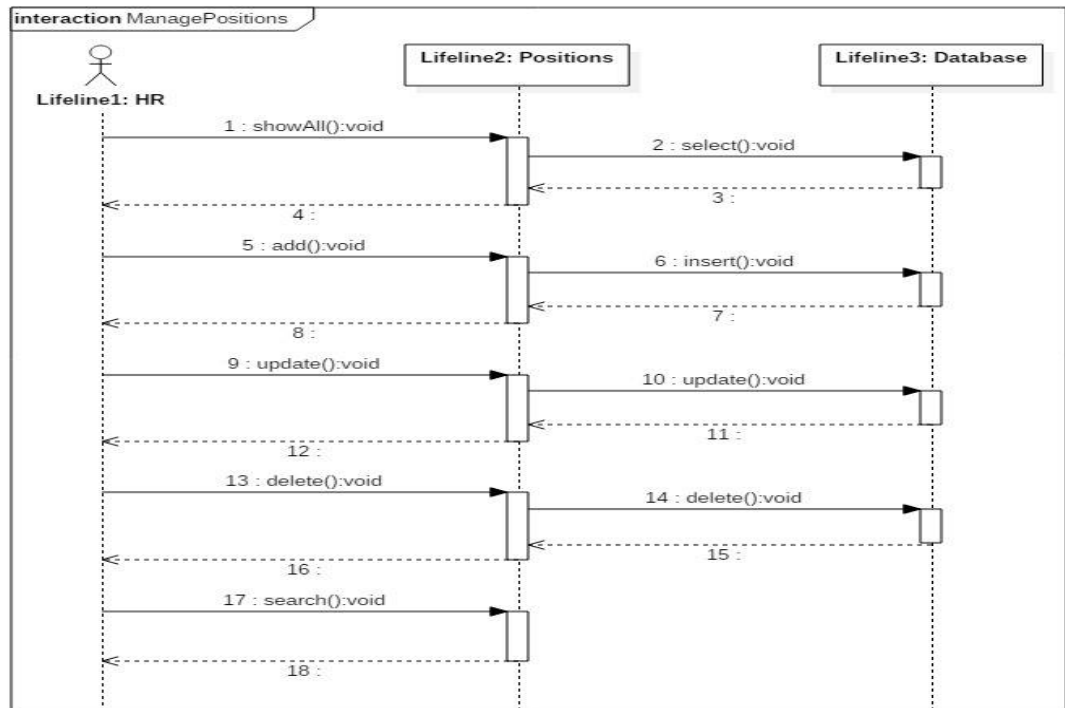
4.4.2 Manage Candidates



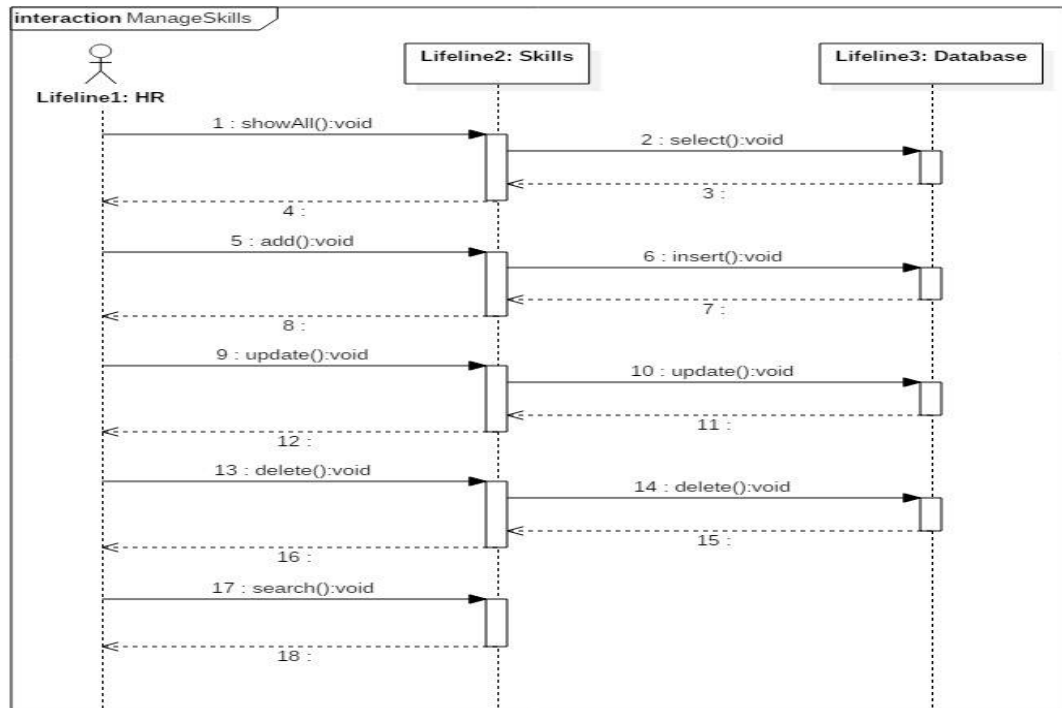
4.4.3 Manage Interviews



4.4.4 Manage Positions



4.4.5 Manage Skills



4.5 ER Diagram

