

ITCS371\_ Introduction to Software Engineering

Academic year 1/2022

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Assigned topic: Bamboo

(Jaochoo)

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# Introduction

Unfortunately, job recruitment is not an easy process for either the candidate or the employer. It's a two-way street with many potential pitfalls and potholes. With that in mind, it's important to take measures to create a successful hire and a mutually beneficial experience for both parties. Our company 'Jaochoo' would like to be the one who makes sure that none of the side falls into any of the potholes of job recruitment.

Jaochoo is a platform that helps potential employers and job seekers find each other more easily. We are a company that prides ourselves on delivering swift and easy hiring solutions to both sides of the equation. In doing so, we are able to build long-lasting relationships between both parties and create better chances for employees and companies alike.

Our main focus is on matching potential job seekers with potential employers. We are unique because we provide a platform that caters to both companies and employees. Our goal is to make sure that neither end of the agreement feels like they are losing out. Companies that use Jaochoo don't need to spend time searching for candidates. Instead, they can post their job requirements on Jaochoo and let us find them the perfect candidate.

We utilize different features to help future employers. Our site can be used to post job requirements, reviews and videos of our customers in the process of hiring. This allows them to receive feedback and see how the candidate is like before they decide to hire them fully. Job seekers are also able to view the jobs available and create a more comprehensive profile. With our system, the employers receive a multitude of candidates with varying degrees of skill. This saves them time, effort and money.

We are changing the job recruitment process into a more effective, efficient and enjoyable process for both parties. We use all the tools we can to connect companies and employees together in an effective manner. Because of this, we are able to create long-lasting relationships that benefit both parties in the long run.

## Functional requirements

1. Users can update, edit, suspend account
2. Recruitment unit can announce job title, age, and skill information.
3. Recruitment unit can publish job postings.
4. Recruitment unit can view the number of view counts who viewed the job posting.
5. Applicants can bookmark the position of interest.
6. Users can access via web browser.
7. Recruitment unit can set an interview date.
8. Recruitment unit can verify the applicant's information.
9. Users can view the number of daily, monthly applicants.
10. Users can view the number of applicants who are employed and unemployed.
11. Applicants can search for job posting.
12. Applicants can apply for the job that they want.
- 13.** Users can ask questions about how to use the system.
14. Users can register to use the platform.
15. Recruitment unit can interview applicants through the platform.

## Non-functional requirements

1. UX/UI easy to use.
2. Job recommendation system that suits the applicant's skills
3. After clicking Apply, the applicant's information must be sent to the recruiting agency.
4. Video recording of interviews can be made on the platform.
5. The search job system only Thai can access.
6. high security Maintain good personal information
7. There is a chatbot to answer questions about how to use it.
8. The system can handle 10000 transactions per day and 000 at the same time.
9. Available 24 hours a day, 7 days.
10. There is a staff to answer questions if the chatbot doesn't understand the question.

## Work breakdown structure (WBS)

Task Name	Planned Duration
<b>1. Gather requirement</b>	<b>7</b>
Interview with clients	4
Document requirement	1
Analysis requirement	2
<b>2. Design</b>	<b>16</b>
Design Database	3
Interface Design	2
System Design	4
Security system Design	2
Search system design	3
Chatbot	1
Bookmark	1
<b>3. Code</b>	<b>24</b>
Create Database	4
Create Interface	2
Create Search System	4
Create UI	2
Create Chatbot	2
Create Recording Interview	3
Create Bookmark feature	3
Create cyber security system	4
<b>4. Test</b>	<b>5</b>
Test Search System	1
Test Security system	1
Test Recording Interview syst	1
Test Chatbot	1
Test Database System	1
<b>5. Publish</b>	<b>1</b>

## Actors

Applicant

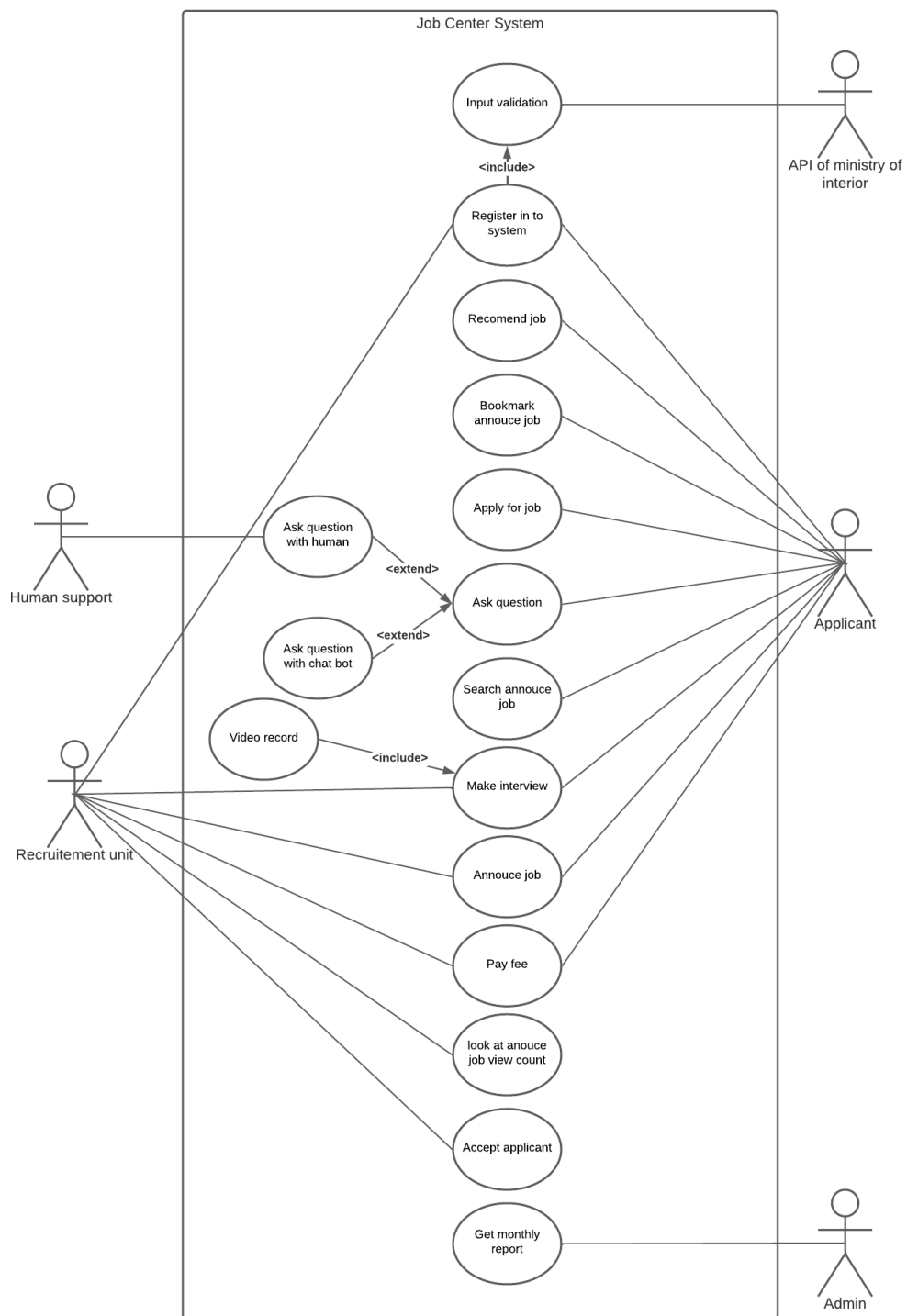
Recruitment Unit

Admin

Api of ministry of interior

Human support

## Use case diagram





## Use case narrative

### Main use case narrative 1:

Use Case Name	Search annouce jobs
Goal in Context	To find annouce jobs
Primary Actor	Applicant
Secondary Actor	Recruitment unit
Precondition	Both Applicant and Recruitment unit must have registered to the system. Recruitment unit already announced the job.
Trigger	Applicant decide to find jobs.
Scenario (Typical Flows of Events)	<ol style="list-style-type: none"><li>1. Applicant logs onto the system.</li><li>2. Applicant find the job on the search bar to see the announced jobs.</li></ol>
Exceptions	Both Applicant and Recruitment unit did not register to the system. There are no announced jobs in the system.
Channels to actors	Email of Applicant
Channels to secondary actors	Email of Recruitment unit

Main use case narrative 2:

Use Case Name	Register in to the system
Goal in Context	To register to member
Primary Actor	Applicant, Recruitment unit
Secondary Actor	Api of ministry of interior
Precondition	Both applicant and recruitment unit prepare their information for the registration.
Trigger	When applicant want to find job, or recruitment unit want to find and recruit people for their company.
Scenario (Typical Flows of Events)	<ol style="list-style-type: none"> <li>1. Applicant and Recruitment unit fill their infomation.</li> <li>2. API of ministry of interior check the information of Applicant and Recruitmen.</li> <li>3. API of ministry of interior verify registation of Applicant and Recruitmen.</li> </ol>
Exceptions	Both applicant and recruitment unit information cannot validate for API of ministry of interior, then they not register to system.
Channels to actors	Email of Applicant, Recruitment unit
Channels to secondary actors	Email of Api of ministry of interior

Main use case narrative 3:

Use Case Name	make interview
Goal in Context	Schedule the interview.
Primary Actor	Applicant
Secondary Actor	Recruitment unit
Precondition	Applicant click apply the job. Recruitment accept applicant. Both applicant and recruitment unit add their date,time and place to interview.
Trigger	Appoint the date, time, and place of interview to specify to applicant and recruitment unit.
Scenario (Typical Flows of Events)	<ol style="list-style-type: none"> <li>1. Recruitment unit Appoint the date, time, and place for interview.</li> <li>2. Applicant see information of interview and accept interview.</li> <li>3. System record video of interview.</li> </ol>
Exceptions	Applicant and recruitment unit did not specify the information of their interview.
Channels to actors	Email of applicant
Channels to secondary actors	Email of recruitment unit

## Data flow diagram Level 0

