

IT1060 – Software Process Modeling
May-2023

Assignment 2 Cover Sheet

CASE STUDY NAME	Recruitment Company System
PROJECT ID	MLB_01.01_10

Group Details:

	Student Number	Registration	Student Name
1	IT22311290		H.C.D. JAYARATHNE
2	IT22891518		L.K.R.S. JAYASURIYA
3	IT22336804		RASHMINA W.W K
4	IT22342744		DISSANAYAKE E.G.M.

**IT1060 – Software Process Modeling
May****2023 -****Assignment 2 Certify Sheet**

I hereby certify,



The attached is my own work and no further changes will be made.



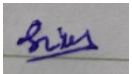
I have contributed in this assignment to the best of my ability.

And I understand,



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Student Details:

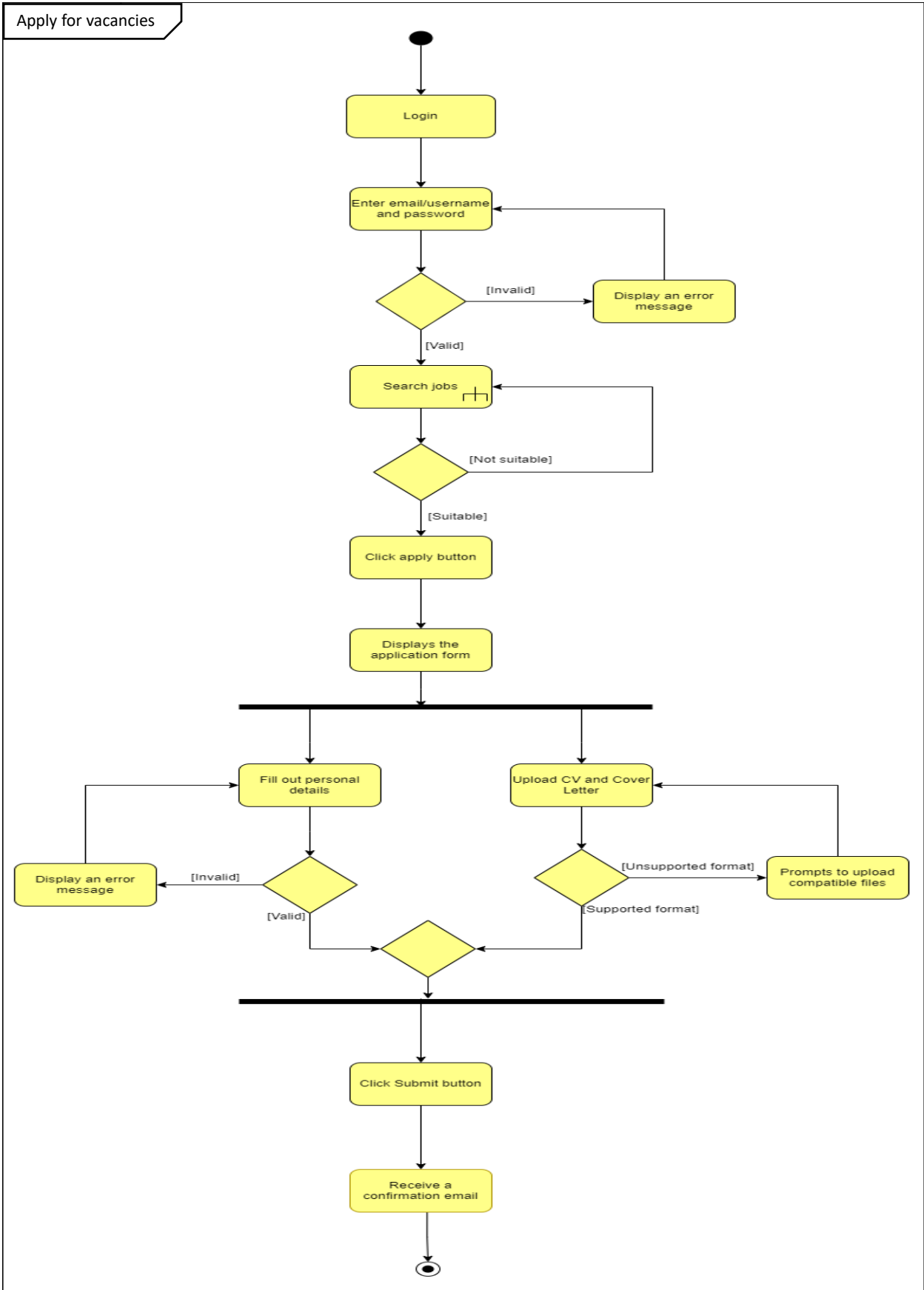
Student Name	Student Registration Number	Date	Signature
H.C.D. Jayarathne	IT22311290	29/05/2023	

PART 1

USE CASE Scenario

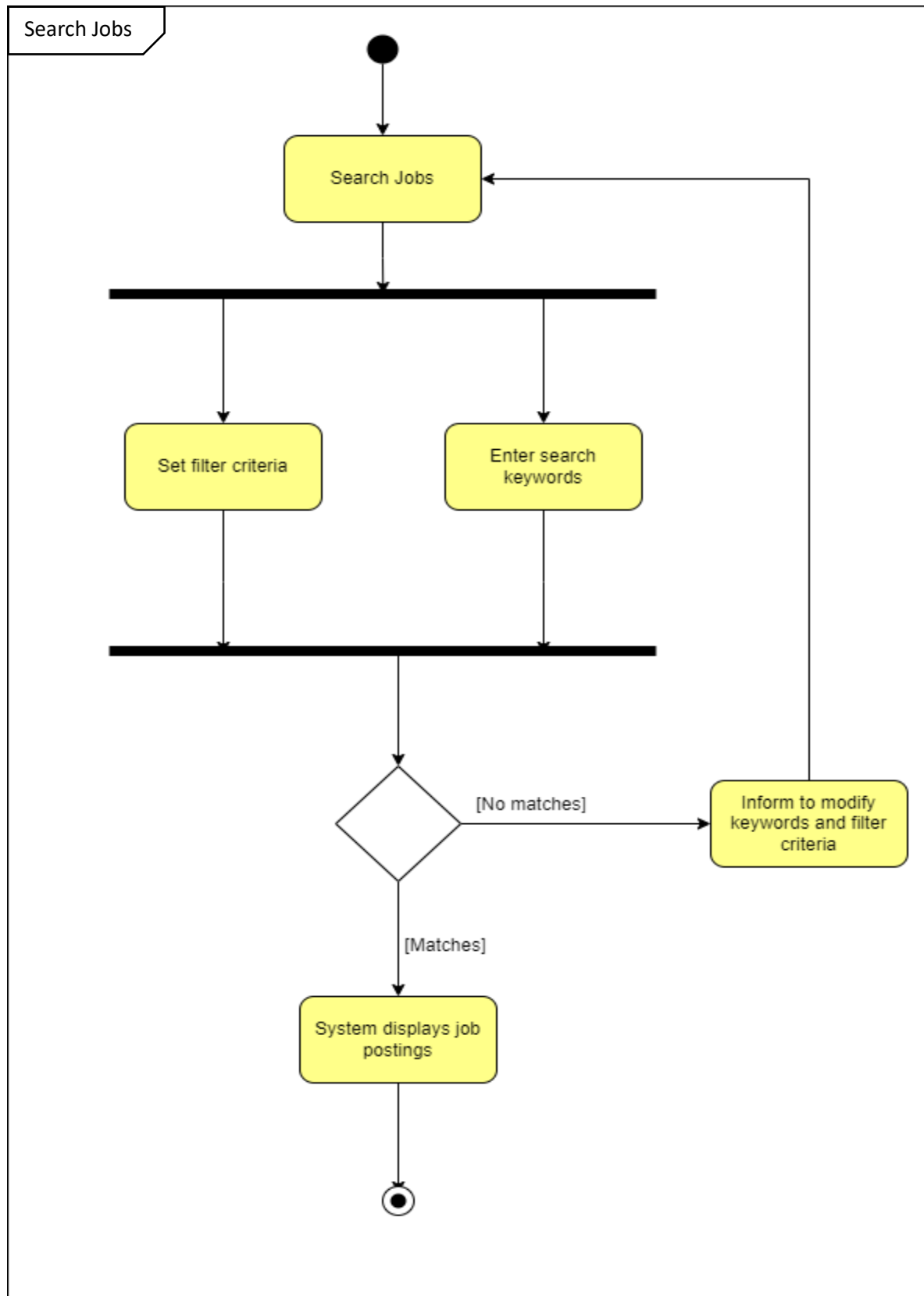
Use case ID	001	
Use case name	Apply for vacancies	
Summary	Upload a CV to apply for a job.	
Priority	5	
Preconditions	The user should have a verified account. The user has logged into the system. The user has viewed the jobs and selected a job to apply for. The user has prepared a CV and a Cover Letter.	
Postconditions	The user's CV and Cover Letter has been submitted. The user receives confirmation that their CV and Cover Letter has been received.	
Primary Actor(s)	Registered Applicant	
Secondary Actor(s)	Admin, Web Server	
Trigger	The user clicks the "Apply" button on a job posting in the system.	
Main scenario	Step	Action
	01	The system displays the job application form.
	02	The applicant fills the application form, including personal information, work experience and any other questions asked by the system.
	03	The applicant uploads the CV and the Cover Letter.
	04	The applicant clicks the "Submit" button to submit the application.
	05	The applicant receives a confirmation email from the system that the application has been received.
Extensions	Step	Branching Action
	2.a	The system displays an error message if applicant gives invalid information like phone number, email.
	3.a	If the applicant's CV and Cover Letter's file size or format is not accepted by the system, the system prompts the applicant to upload a compatible file.
	4.a	The system prompts the user to fill up the necessary fields if they are left blank before allowing them to submit the application.
	5.a	The confirmation email may end up in the spam or junk folder instead of the applicant's inbox.

Activity Diagram



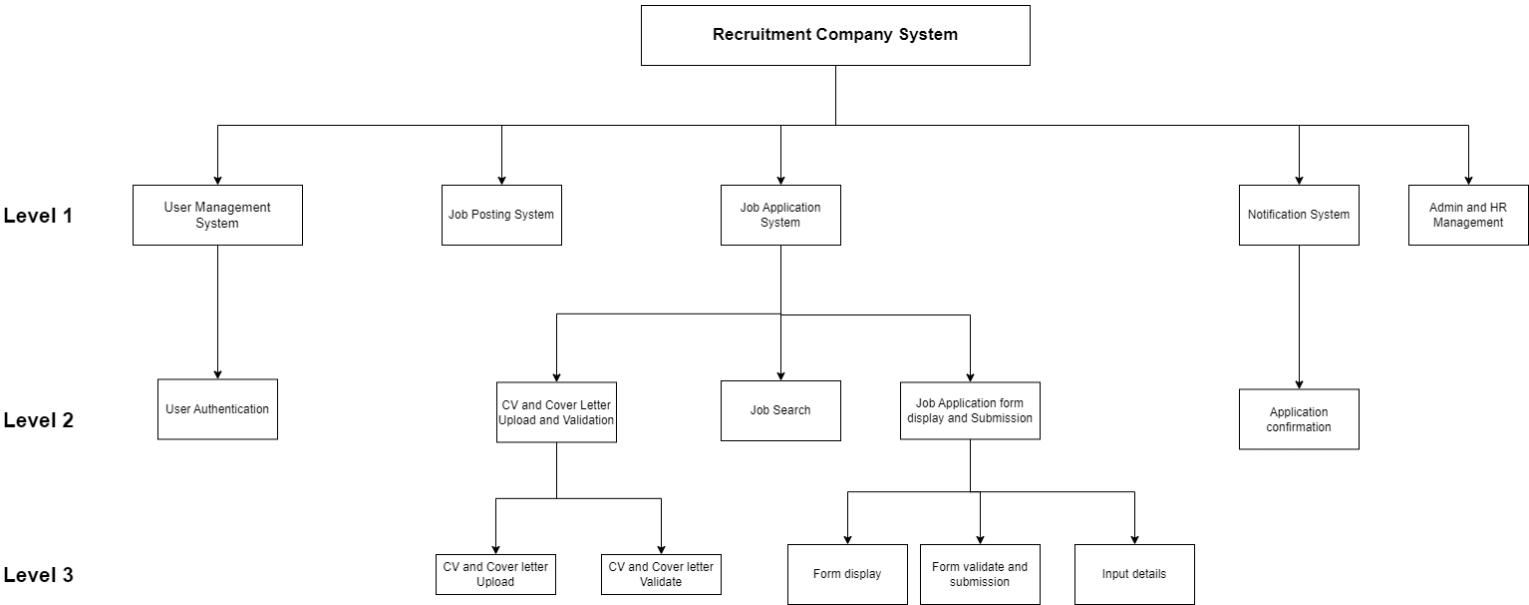
Sub Activity/Call Action

Use case ID	001S	
Use case name	Search Jobs	
Summary	Searching for a suitable job	
Priority	5	
Preconditions	The applicant should have a verified account. The applicant should have logged in to the system.	
Postconditions	The applicant found a suitable job	
Primary Actor(s)	Registered Applicant	
Secondary Actor(s)	Admin, Web Server	
Trigger	The user clicks the "Search Jobs" button in the system.	
Main scenario	Step	Action
	01	The applicant navigates to the job search page
	02	The system displays a search bar and an optional filter criteria.
	03	The applicant enters desired keywords into the search bar and sets filter.
	04	The applicant clicks "Search" button
	05	The system displays job postings that match the search keywords and Filter criteria.
Extensions	Step	Branching Action
	4.a	If no job postings match the search keywords system informs user to modify the search keywords and filter criteria.

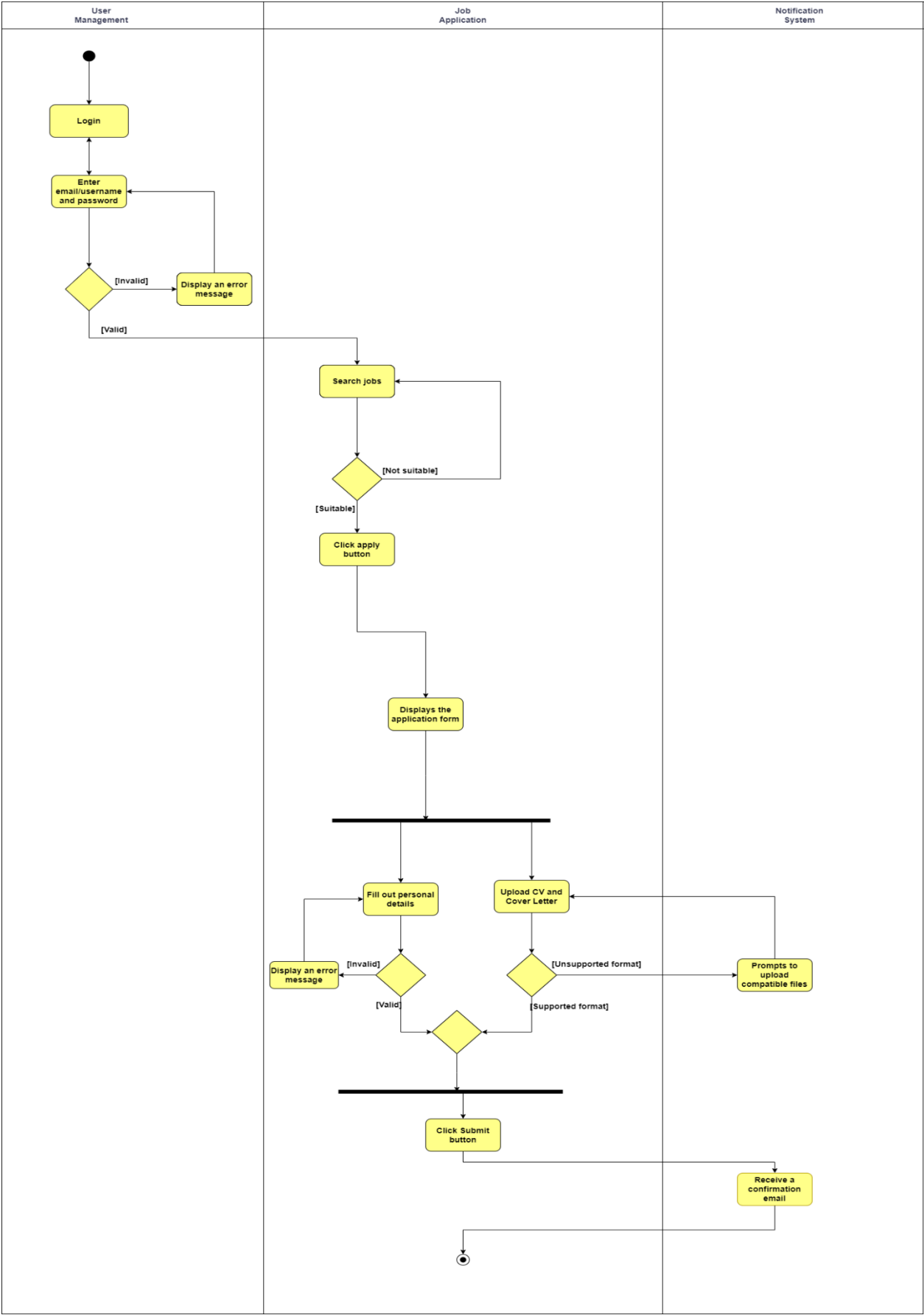


PART 2

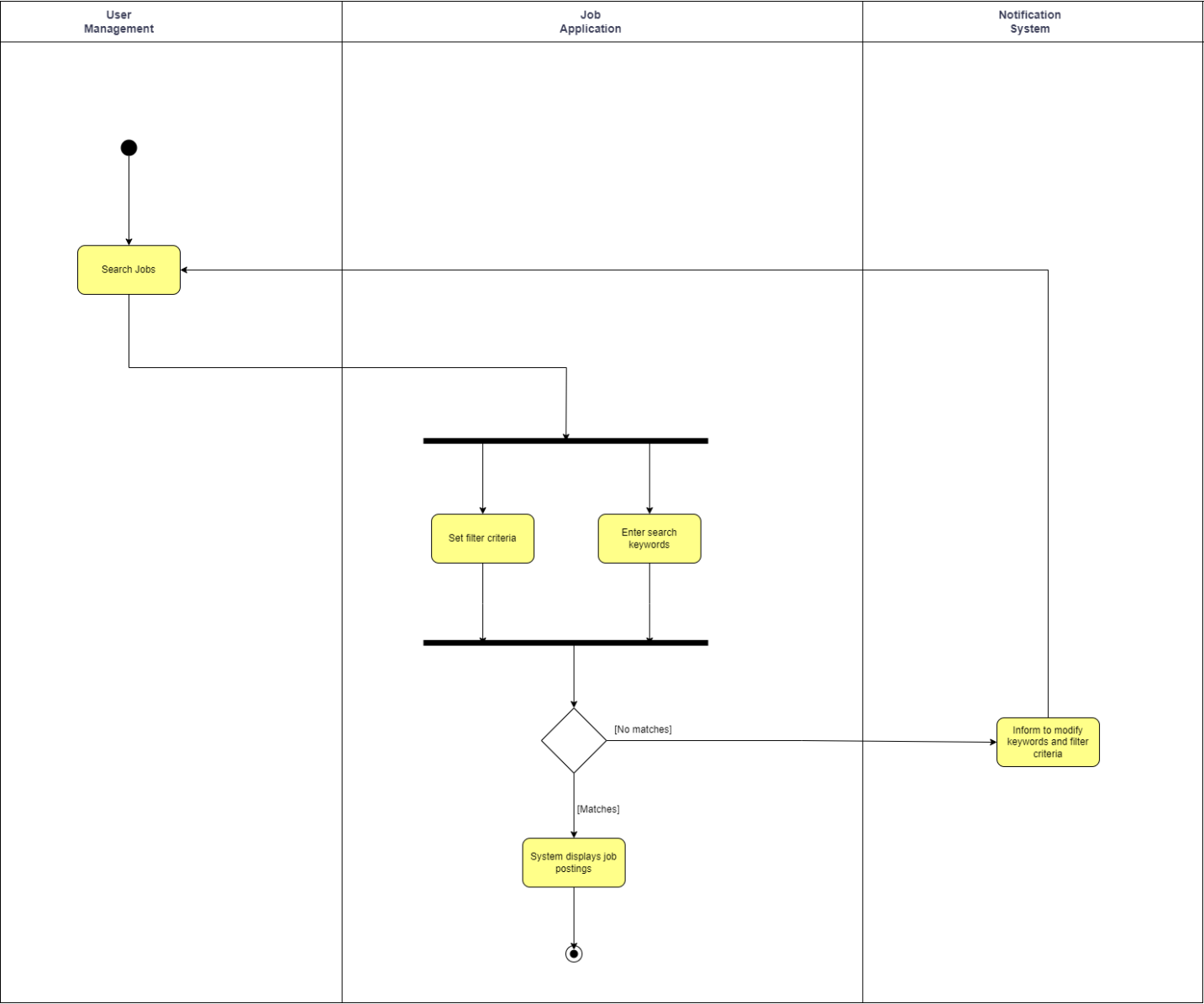
1.Sub Systems



2.Partitioning



Sub activity/Call action partition



IT1060 – Software Process Modeling
July
2023 -

Assignment 2 Certify Sheet

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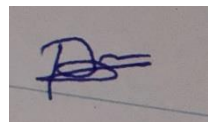
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Student Details: IT22891518

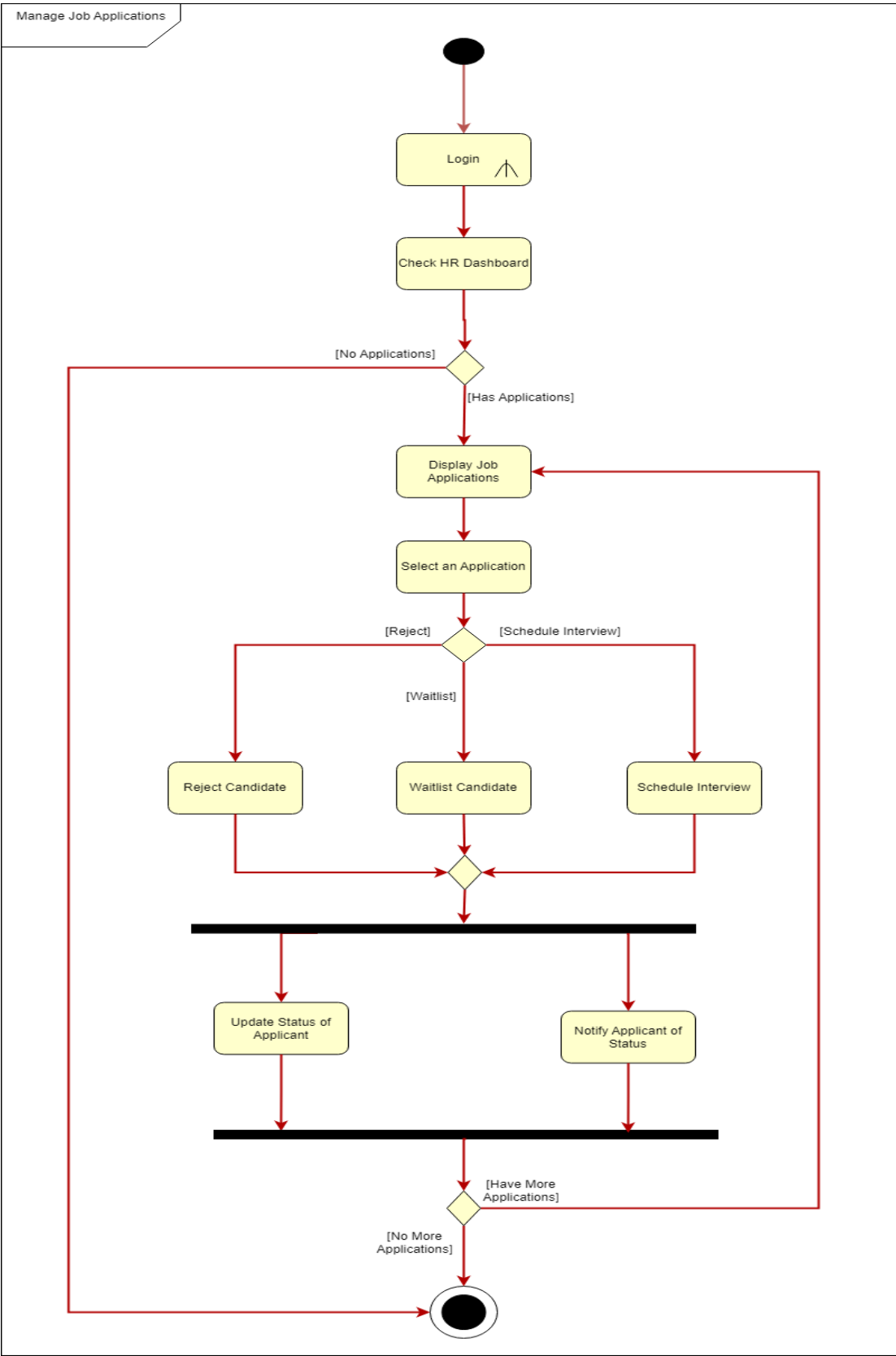
Student Name	Student Registration Number	Date	Signature
LKRS JAYASURIYA	IT22891518	2023.05.29	

Part 1

USE CASE Scenario

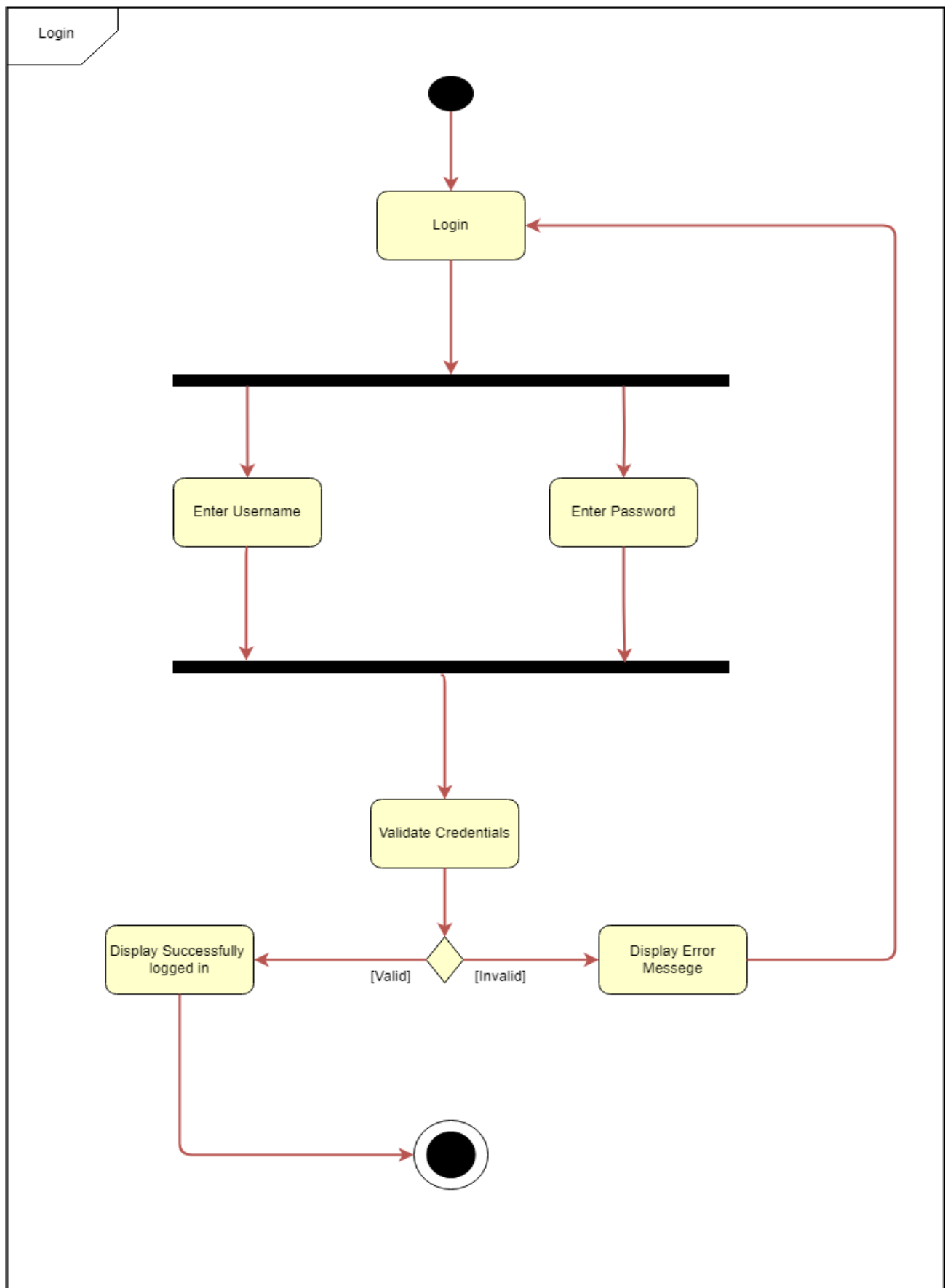
Use case ID	003	
Use case name	View and Manage Job Applications	
Summary	The HR manager manages job applications by rejecting candidates, scheduling interviews, or waitlisting them.	
Priority	5	
Preconditions	The HR manager must have a valid login ID and password to access the recruitment system.	
	There must be at least one job application in the system.	
Postconditions	The candidates are either rejected, scheduled for an interview or waitlisted.	
Primary Actor(s)	HR Manager	
Trigger	The HR manager logs in to the recruitment system and accesses the list of job applications.	
Main scenario	Step	Action
	1	The HR manager logs in to the recruitment system.
	2	The system displays the list of job applications.
	3	The HR manager reviews the job applications and reads the Applications of the candidates.
	4	If the HR manager decides to reject a candidate, he or she selects the "Reject" option.
	5	If the HR manager decides to schedule an interview with a candidate, he or she selects the "Schedule Interview" option.
	6	If the HR manager decides to waitlist a candidate, he or she selects the "Waitlist" option.
	7	The system updates the status of the job application and notifies the relevant user accordingly.
	8	The HR manager logs out of the system.
Extensions	Step	Branching Action
	1.a	If the entered credentials are invalid the system displays an error message.
	2.a	If there are no job applications in the system, the HR manager cannot perform any actions.

Activity Diagram



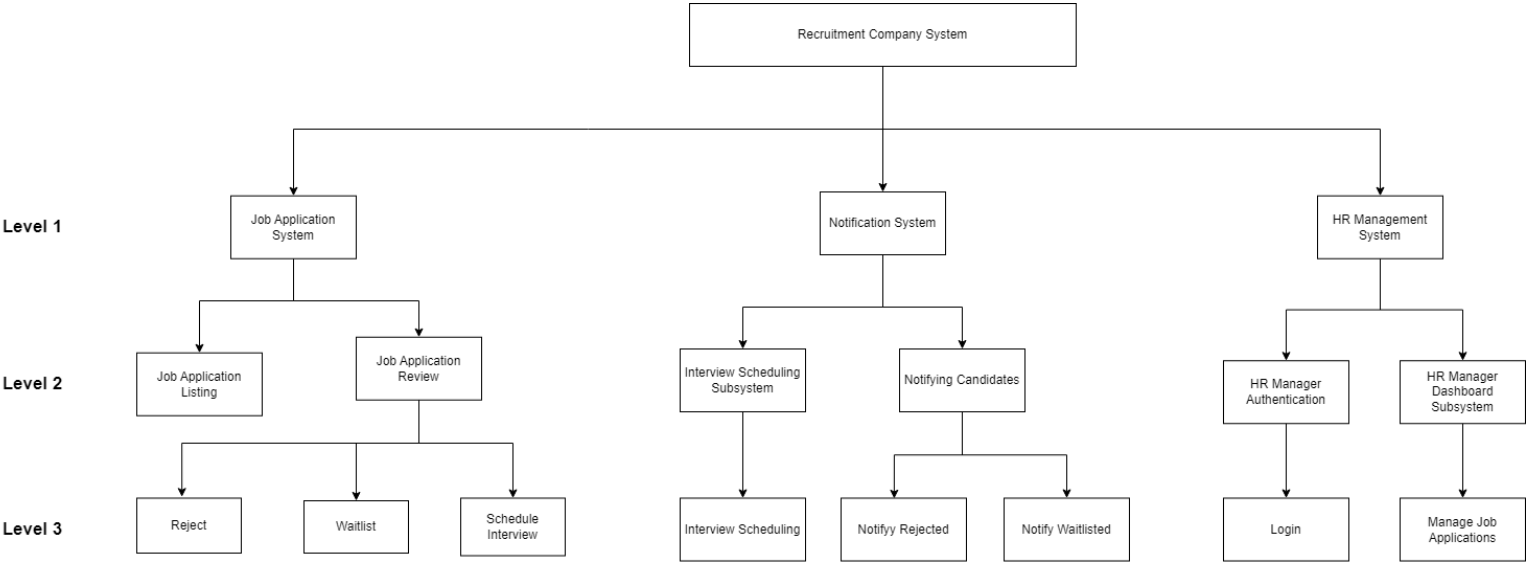
Sub Activity/Call Action

Use case ID	003S	
Use case name	Log in	
Summary	Logging into the system	
Priority	5	
Preconditions	The HR Manager must already have an account in the system	
Postconditions	The HR Manager will be Logged into the system	
Primary Actor(s)	HR Manager	
Trigger	HR Manager Clicks Log in Button	
Main scenario	Step	Action
	01	HR Manager clicks Log in Button
	02	HR Manager Enters Username and Password
	03	The system Validates the credentials and logs the HR Manager into the system
Extensions	Step	Branching Action
	03.A	If the entered credentials are wrong, system displays an error message and prompts to enter credentials again

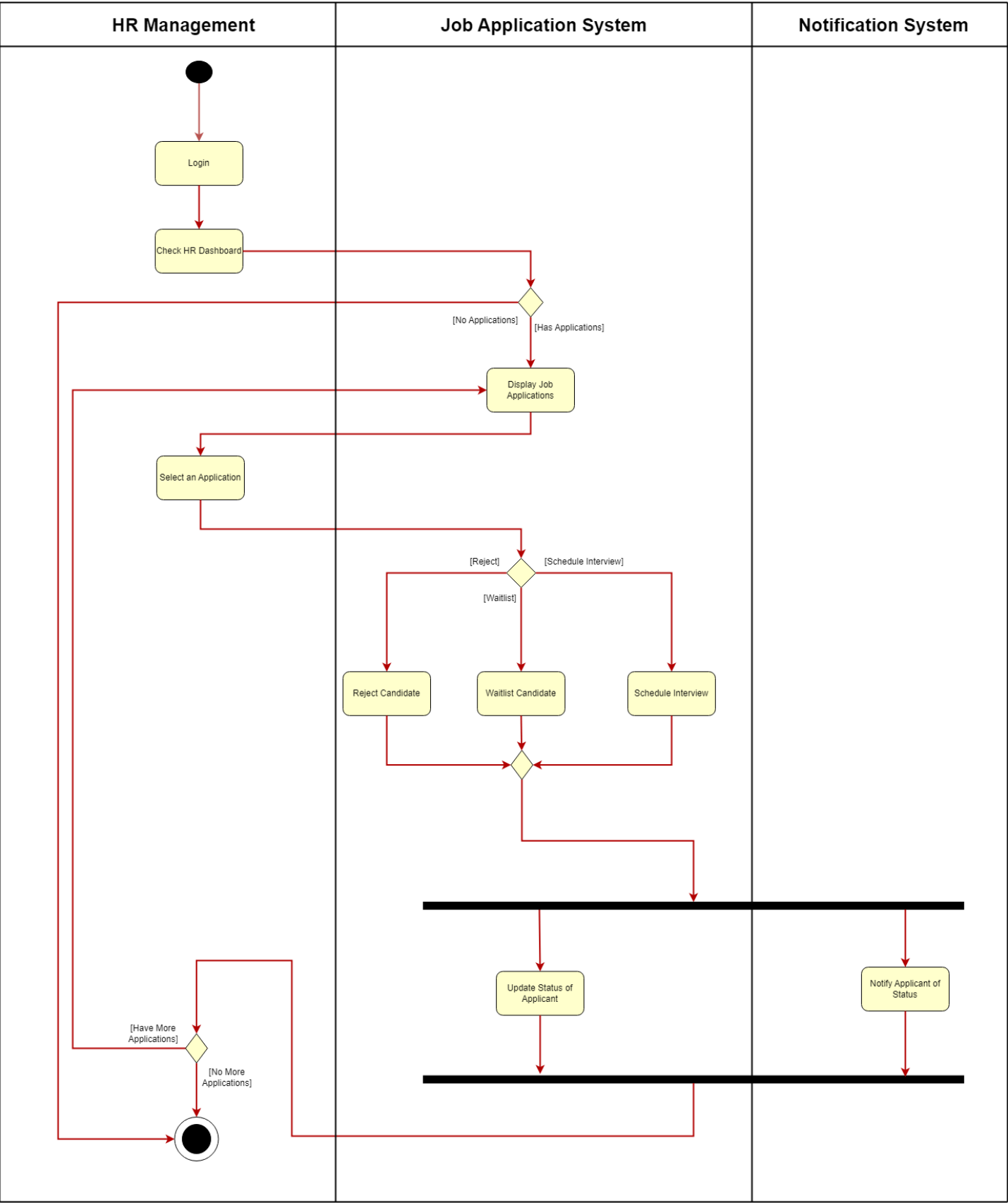


PART 2

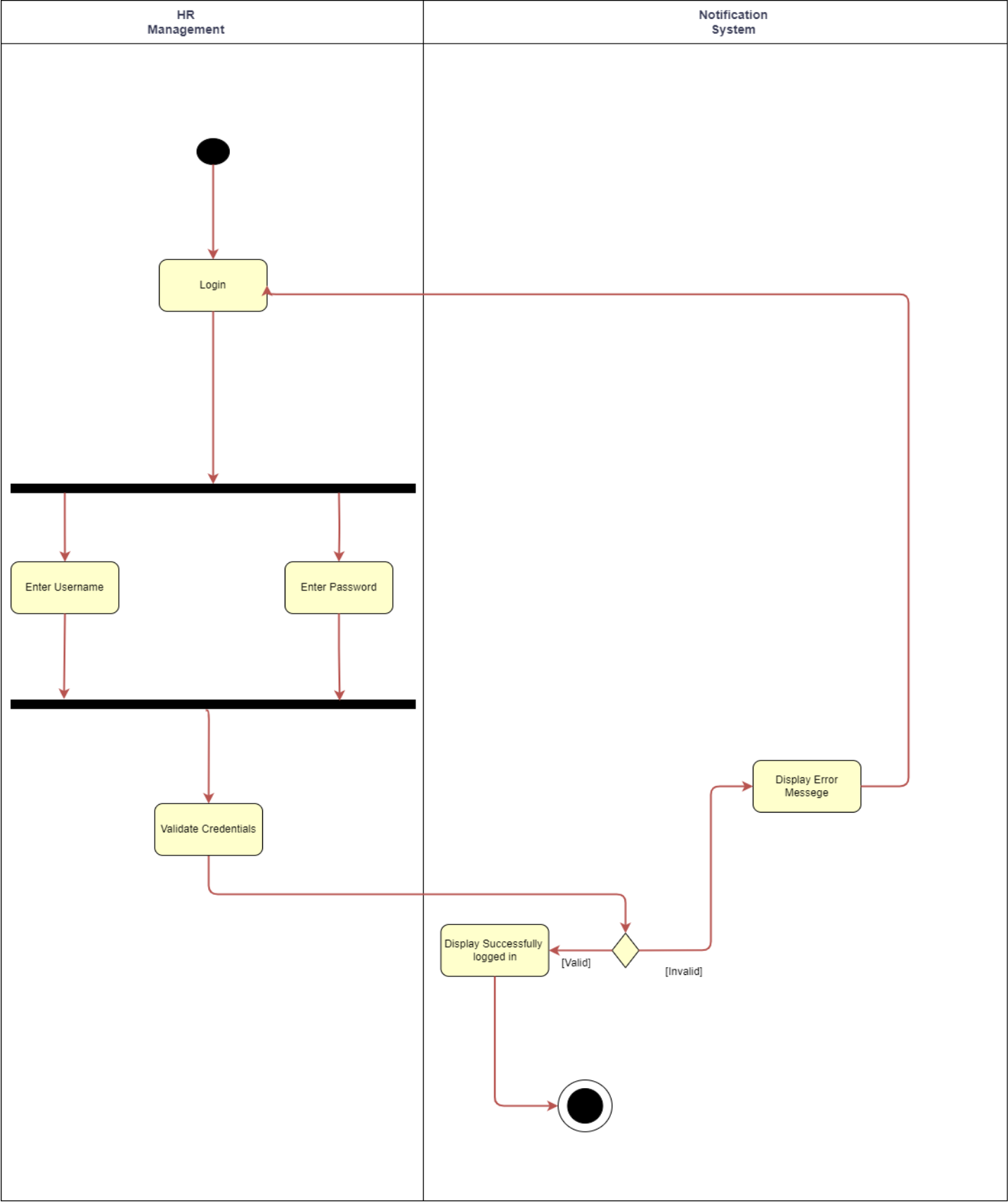
1.Sub Systems



2.Partitioning



Call Action



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May****2023 -****Assignment 2 Certify Sheet**

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Student Details:

Student Name	Student Registration Number	Date	Signature
Rashmina W.W.K	IT22336804	29/05/2023	

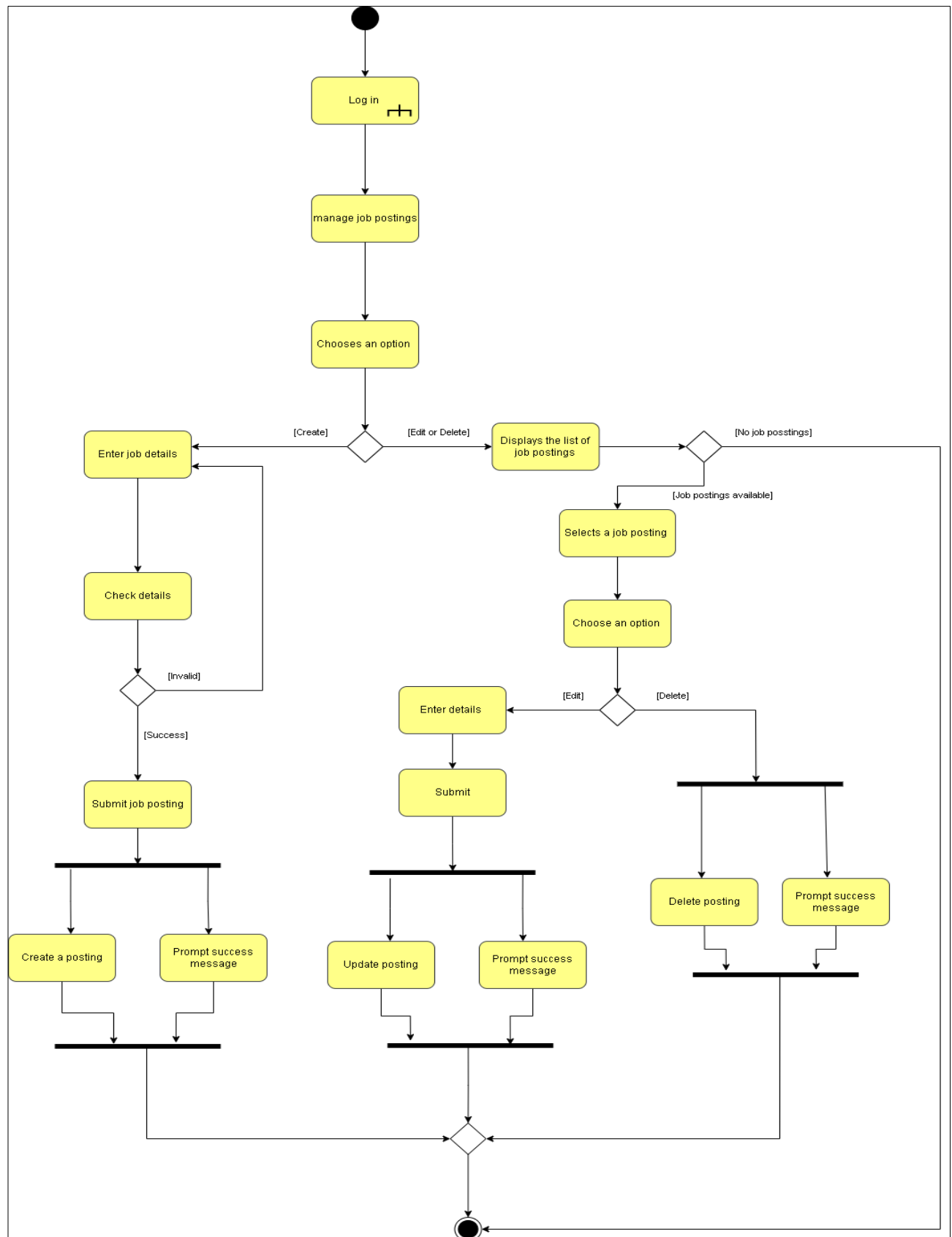
Part I

1. Use Case Scenario

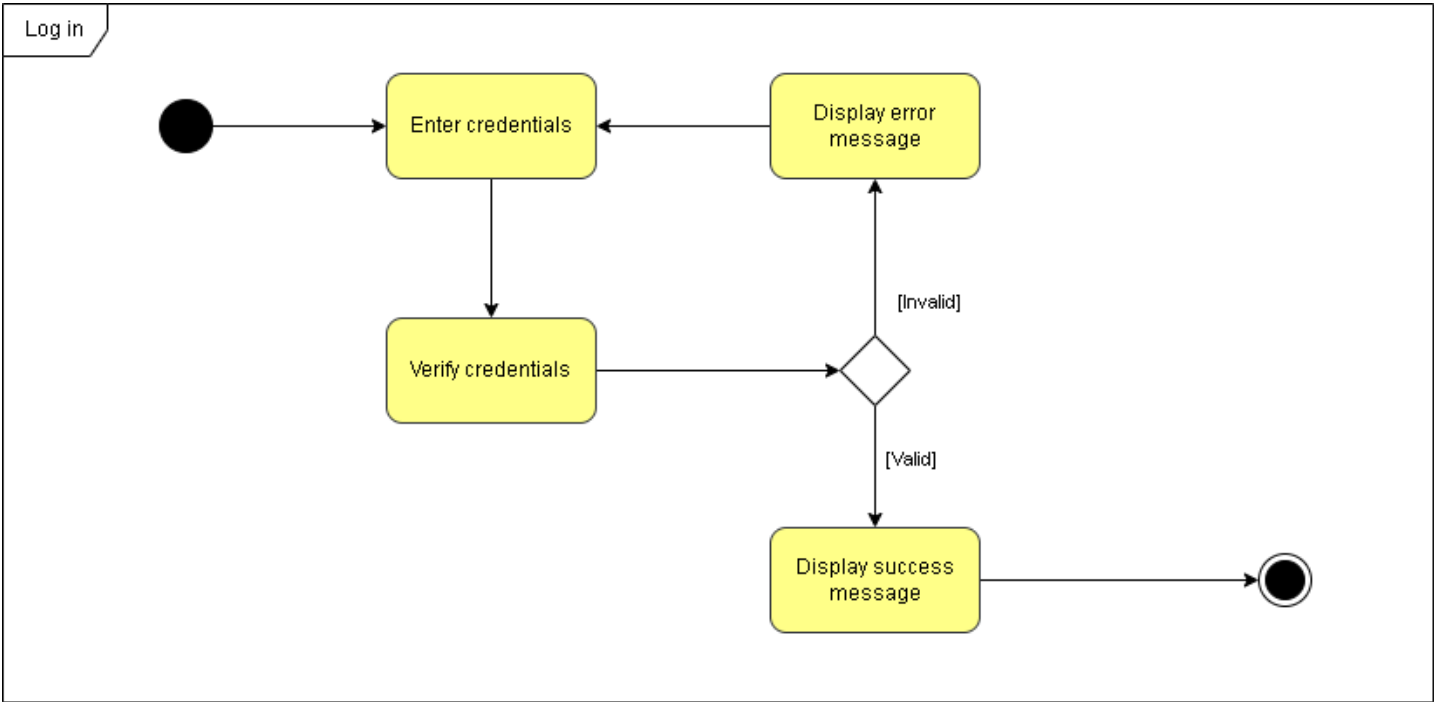
Use case ID	005	
Use case name	Manage Job Postings	
Summary	HR manager either create, edit or delete job posting	
Priority	5	
Preconditions	The HR manager must be logged in using a valid account	
Postconditions	HR manager receives a success message	
Primary Actor(s)	HR manager	
Trigger	The HR manager has chosen to manage a job posting	
Main scenario	Step	Action
	1	The HR manager logs into the system.
	2	The HR manager or recruiter selects to manage a job posting.
	3	The system displays options to create, edit or delete a posting.
	4	The HR manager or recruiter chooses an option.
	5	The HR manager or recruiter enters necessary job details to create a posting. The HR manager or recruiter selects an existing job from a list of job postings to edit or delete a posting.
	6	The HR manager or recruiter submits the changes made.
	7	The system displays a success message for the changes made.
Extensions	Step	Branching Action
	1.a	If the entered credentials are invalid the system displays an error message.
	1.b	The HR manager or recruiter will enter the valid credentials and logs in
	5.a	When editing and deleting postings, if there are no existing job postings the system will notify the user.
	5.b	HR manager or recruiter enters matching details. The system will prompt the user to create a new post.
	6.a	If the HR manager or recruiter submits without filling in the mandatory fields when creating a posting. The system displays an error.

	6.b	The system will ask the HR manager or recruiter to fill out the fields.
	6.c	The HR manager or recruiter will fill out the necessary fields and submit.

2. Activity Diagram

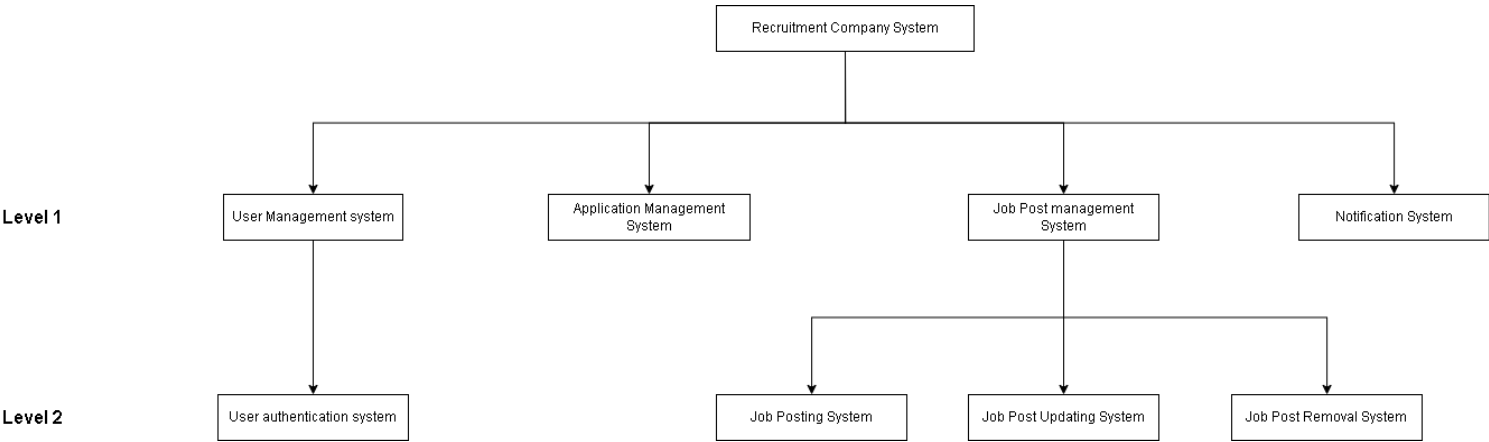


Sub Activity/Call Action



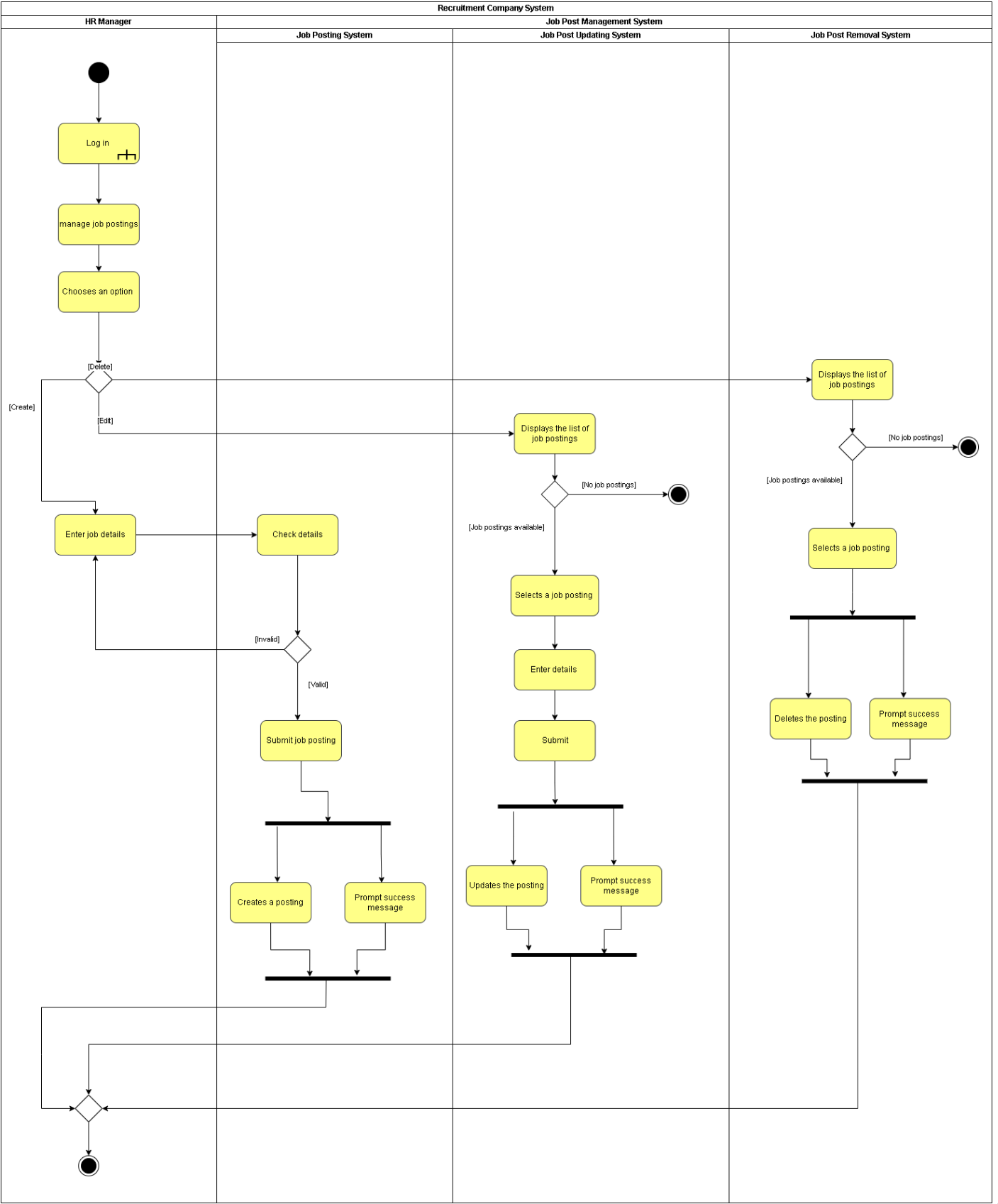
Part II

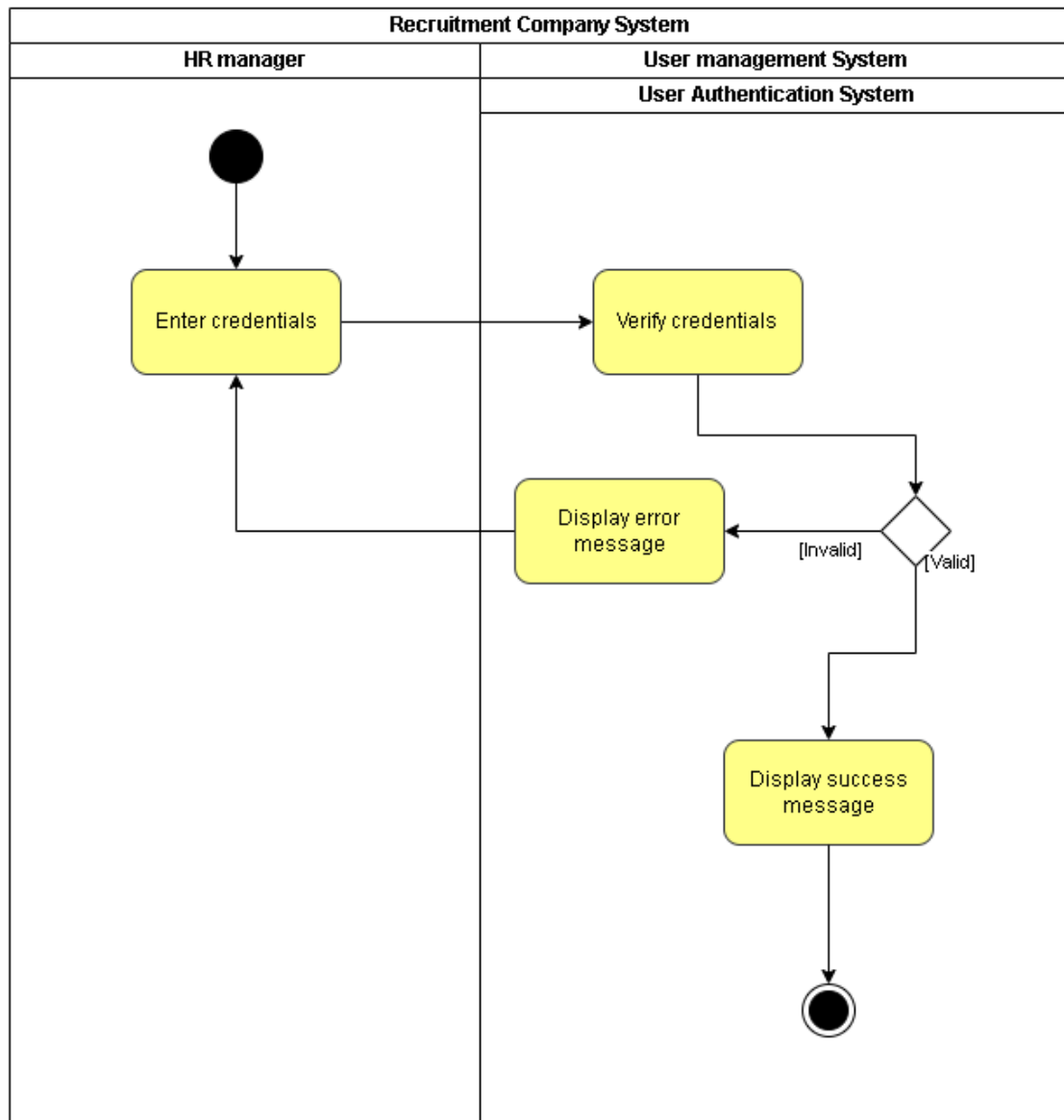
1. Sub systems



Part II

2. Partitioning





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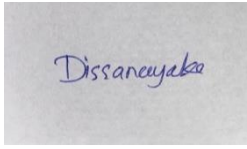
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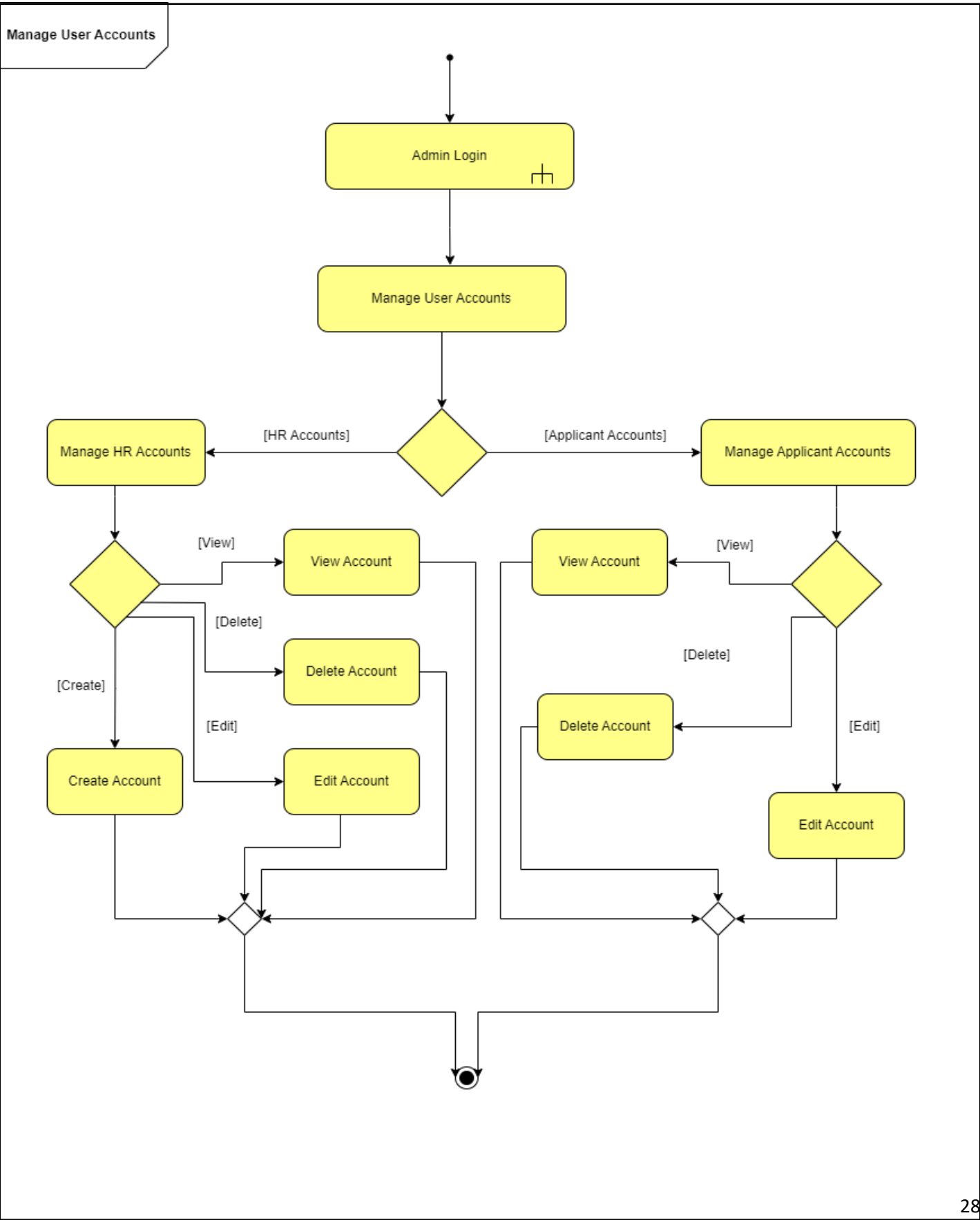
Student Name	Student Registration Number	Date	Signature
Dissanayake E.G.M	IT22342744	29/05/2023	

Part I

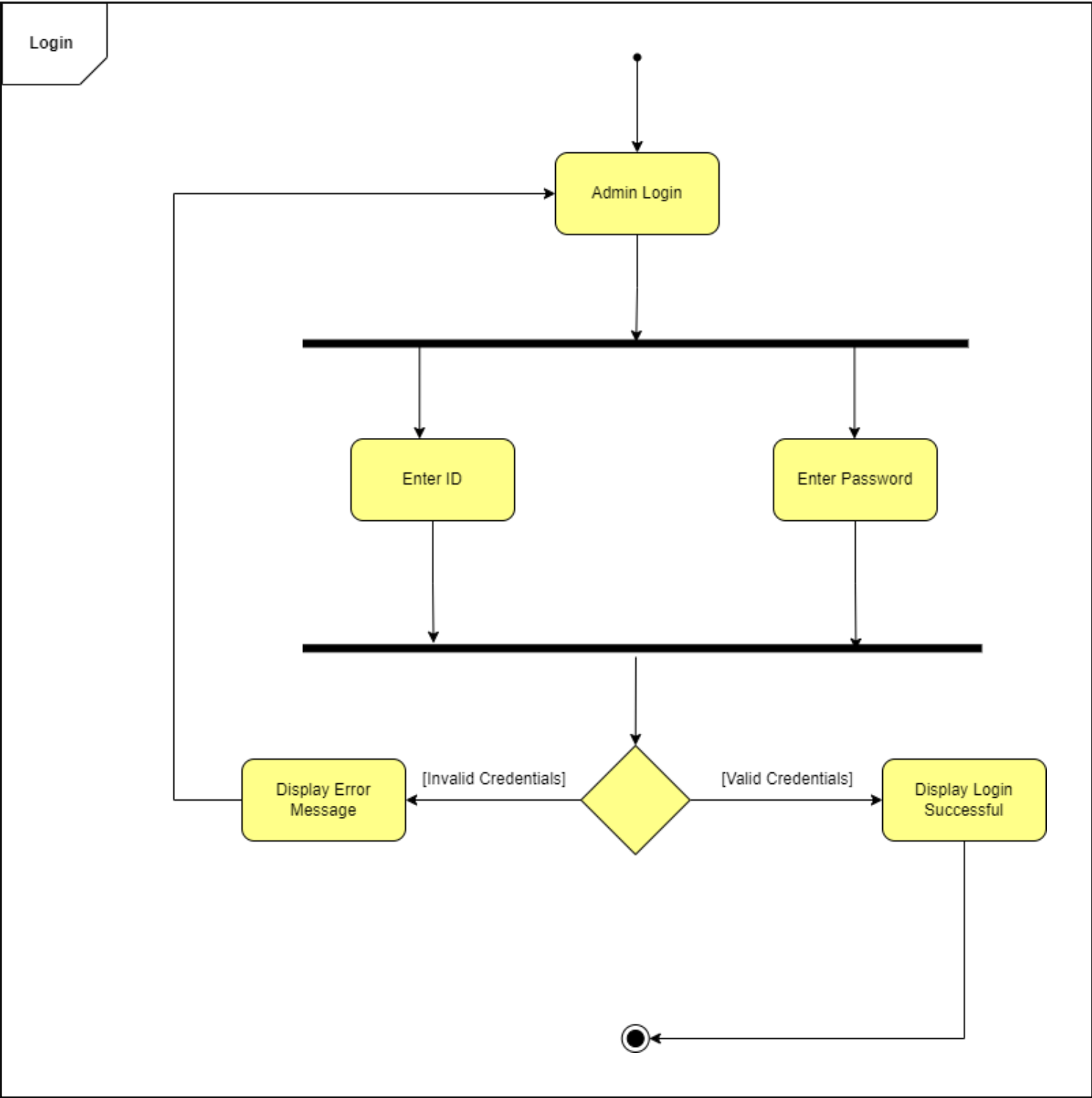
1. Use Case Scenario

Use case ID	006	
Use case name	Manage User Accounts	
Summary	Administrator can create, edit and delete user accounts	
Priority	5	
Preconditions	Administrator must have access to online recruitment system to manage user accounts.	
Postconditions	Administrator's actions determine user accounts, access, and permissions.	
Primary Actor(s)	System Admin	
Trigger	Administrator accesses user management interface or initiates action related to user accounts.	
Main scenario	Step	Action
	1	The Admin accesses the user management interface.
	2	Administrator selects desired action to create, update, or delete user accounts.
	3	Administrator provides information, system validates and creates account.
	4	Administrator selects user account, modifies details, verifies changes.
	5	Administrator selects user account, confirms, removes data.
	6	The system saves all changes made to user accounts.
Extensions	Step	Branching Action
	1.a	System displays error messages and allows administrator to correct input.
	2.a	User accounts can be managed by resetting passwords, enabling/disabling accounts, and assigning roles/permissions.
	4.a	Administrators can search and filter user accounts based on criteria such as username, email, or role for easier management.

2.1 Activity Diagram

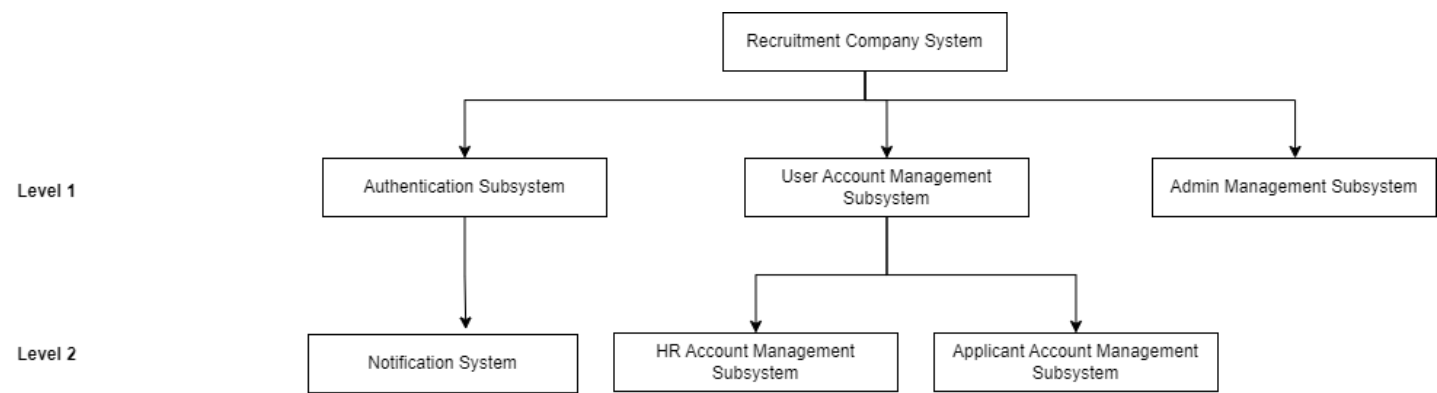


2.2 Call Action

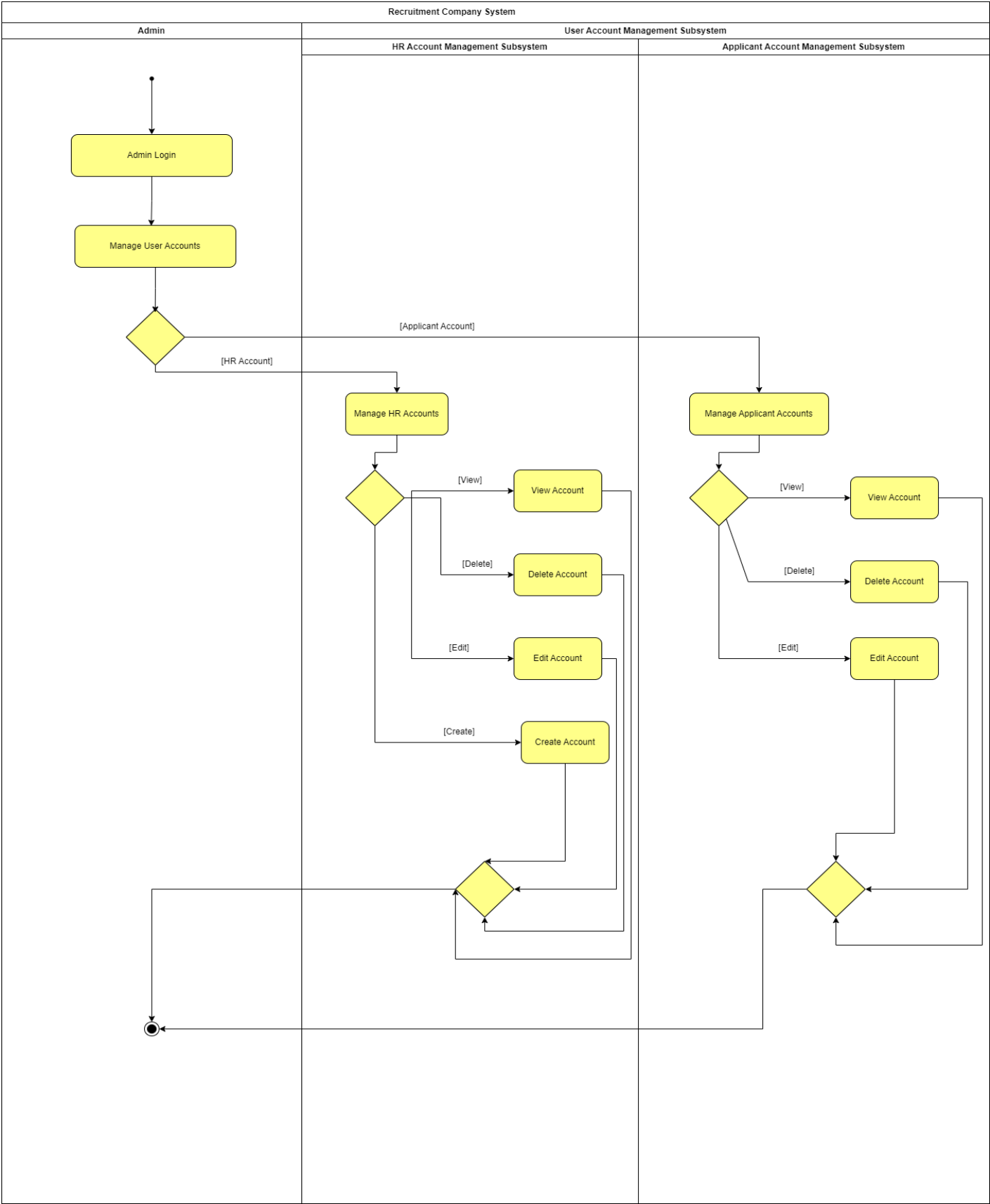


Part 2

1.Sub Systems



2.Partitioning



Call Action Partitioning

