ADAS: "ANTI DELAY" ASSISTANCE SYSTEM

BY: TEAM TACOS

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MEMBERS INTRODUCTION

NAME: JEHO SUBEDI

SECTION: SF-221

GROUP LEADER

CONTRIBUTIONS:

PLATFORM FOR THE VIRTUAL
ASSISTANT, FULLY DRESSED USE
CASES, TEST CASES, ACTIVITY
DIAGRAMS, USER FLOW
DIAGRAM, ENTITY RELATIONSHIP
DIAGRAM

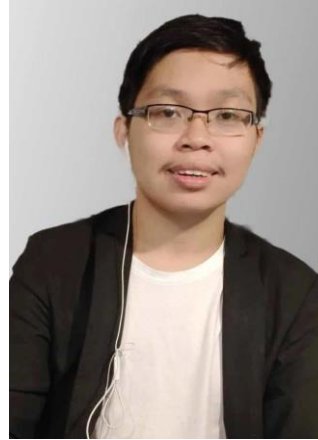# MEMBERS INTRODUCTION

NAME: MARC ANGELO NEREZ

SECTION: MI-221

CONTRIBUTIONS:

LOGIN/REGISTER FOR
THE PROTOTYPE, DATA FLOW
DIAGRAM, ACTIVITY DIAGRAMS,
FULLY DRESSED USER CASES, TEST
CASES

MEMBERS INTRODUCTION

NAME: ALEXUS SABANAL

SECTION: SF-221

CONTRIBUTIONS:

LOGIN/REGISTER FOR THE

PROTOTYPE, MINUTES OF THE
MEETING, ACTIVITY
DIAGRAMS, FULLY DRESSED
USER CASES, TEST CASES

MEMBERS INTRODUCTION

NAME: KRISHNA KUMAR MANDAL

SECTION: MI-222

CONTRIBUTIONS:

LOGIN/REGISTER FOR THE PROTOTYPE, DATA FLOW DIAGRAM, ACTIVITY DIAGRAMS, FULLY DRESSED USER CASES, TEST CASES

PROJECT ADVISER

NAME: JAYVEE CABARDO

OCCUPATION:

PROFESSOR IN ASIA PACIFIC COLLEGE

PROJECT ADVISER

THE GREAT MNTSDEV PROFESSOR

OBJECTIVES

- To reduce the volume of inquiries handled by branch secretaries by 60%, providing instant answers to common questions from customers, applicants, and visitors."

- To find a way to shorten the hiring process by 25% and find a better way to improve record keeping by eliminating human error.

- To reduce the manual cost distributions approval process from 6 steps to 5 steps

COMMENTS MATRIX

Rhea-Luz R. Valbuena

Comments	Response
Fix inconsistencies when it comes to naming conventions with the diagrams	A unanimous naming convention has been chosen for most of the terminologies. With necessary changing basing on this being implemented
In the activity diagrams. Some actions should not be in between two swim lanes	Activity Diagrams have been adjusted accordingly
The User Case Diagram must be more properly represented. With the lines for Include/Extend facing the right directions	The User Case Diagram has been changed accordingly by having the arrows face the intended direction
The name of the project which is S.A.S.S is too broad	The name of the project has been changed from S.A.S.S to A.D.A.S

COMMENTS MATRIX

Gonzalo Gumogda

| Comments	Response
In UCC-011 (Now 010) The process should be streamlined so that the customer will not be bothered once or twice about it being correct or not.	The process has been adjusted in a way that the branch secretary only asks the customer if the details of the cost distribution are correct once the manager has already approved it

COMMENTS MATRIX: NAMING CONVENTION

Rhea-Luz R. Valbuena

Before	After
Chatbot	Virtual Assistant
HR	HR Officer
IT	IT Admin
Potential Customer	Customer
General Manager	Manager
Secretary	Branch Secretary
S.A.S.S	A.D.A.S

USE CASE DIAGRAM:BEFORE

Security Agency Services System (SASS)
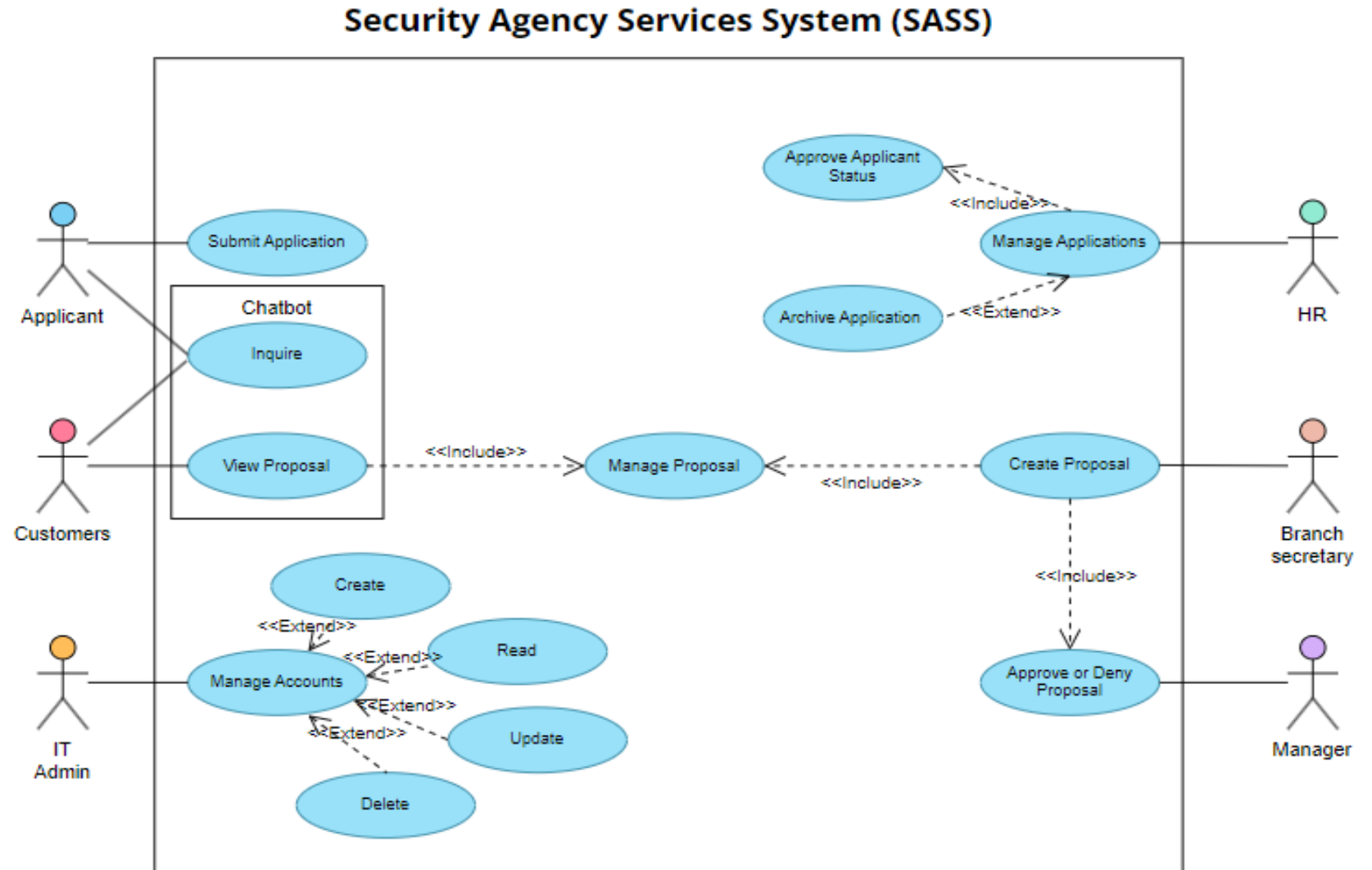
USE CASE DIAGRAM: AFTER
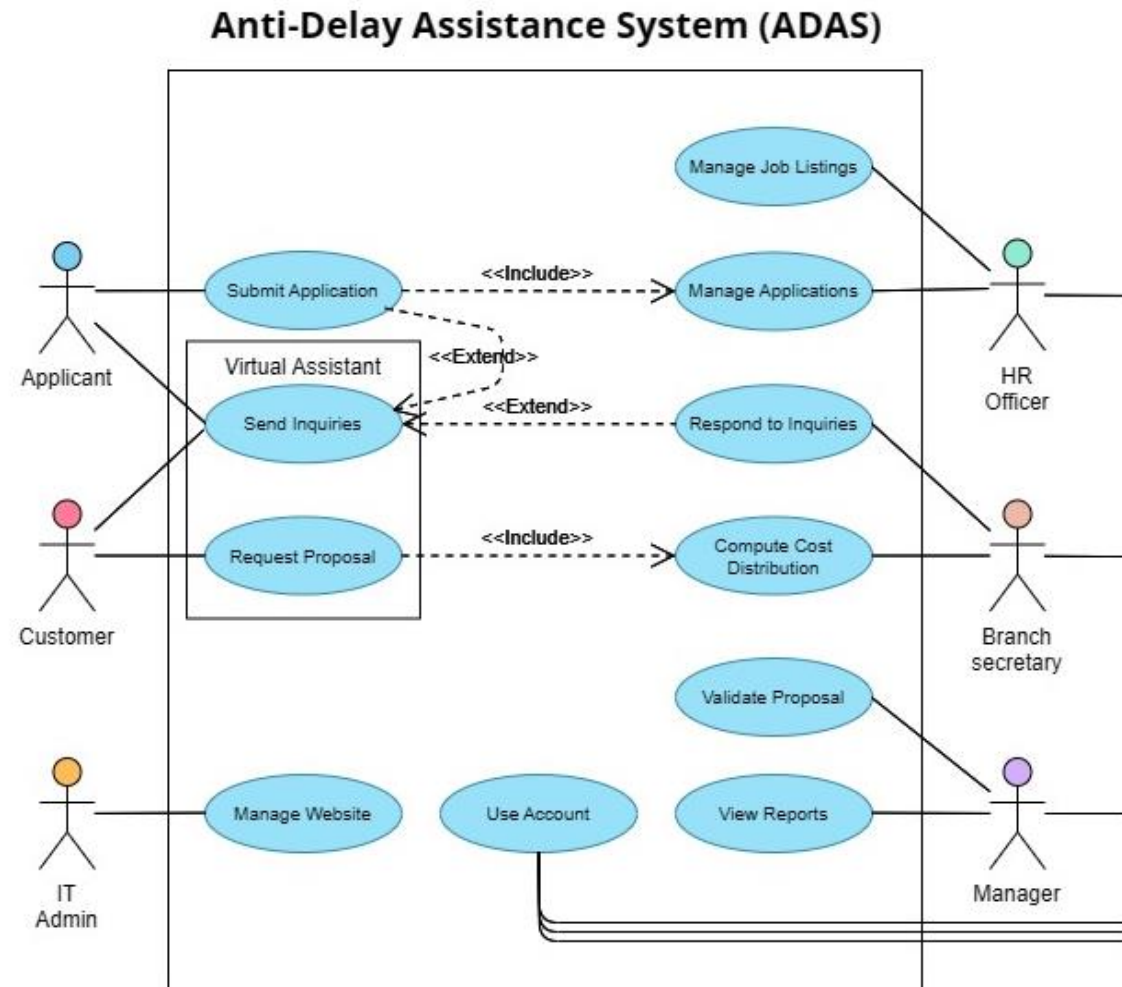
FULLY DRESSED USER CASE DIAGRAMS

Before Midterms: UCC-001 and UCC-002

Inquiry Process:

Use Case ID:	UCC-001
Use Case Name:	Inquiry Process
Author:	Alexus Sabanal
Date Created:	2024/08/27
Description	This is the process wherein the potential customer/visitor asks an inquiry through a chatbot. The chatbot processes the inquiry, and if it is not included in the FAQ (Frequently Asked Questions), it redirects the inquiry to the Branch Secretary for further action.
Primary Actor	Potential Customer/ Visitor
Secondary Actor	Branch Secretary
Extends Use Case	1. Inquiry Answering
Precondition	1. The Chatbot must be available and fully functioning
Postcondition	1. The potential customer/visitor receives an appropriate response to their inquiry. 2. The potential customer/visitor's inquiry is forwarded to the Branch Secretary.

Main Flow:	1. The potential customer/visitor initiates an inquiry via the chatbot (e.g., asking about branch hours).
	2. The chatbot receives the inquiry and analyzes the content.
	  a. **If the inquiry is general:** The chatbot answers it directly.
	  b. **If the inquiry is not within the FAQ:** The chatbot asks for the customer's details (Name, Phone Number/Email Address) and the nature of the inquiry. (Proceed to Extends use case point: Inquiry Answering)

Job Application Inquiry:

Use Case ID:	UCC-002
Use Case Name:	Job Application Inquiry
Author:	Alexus Sabanal
Date Created:	2024/08/27
Description	This is the process where the Applicant asks a job-related inquiry through the chatbot. With the chatbot processing the inquiry, and if it is not included in the FAQ. It relays the inquiry to the HR Officer.
Primary Actor	Applicant
Secondary Actor	HR Officer
Extends Use Case	1. Inquiry Answering
Generalization	1. Inquiry Process
Precondition	1. The HR Officer must be available 2. The Chatbot must be available and fully functioning
Postcondition	1. The potential Applicant receives appropriate information on the job. 2. The applicant's inquiry is forwarded to the HR Officer.

Main Flow:	1. The Applicant initiates a job-related inquiry via the chatbot.
	2. The chatbot receives the inquiry and analyzes the content.
	  a. **If the inquiry is general:** The chatbot answers it directly.
	  b. **If the inquiry is detailed:** The chatbot asks for the applicant's details (Name, Phone Number/Email Address). (Proceed to Extends use case point: Inquiry Answering)

FULLY DRESSED USER CASE DIAGRAMS

After Midterms UCC-001

Inquiry Process:

Use Case ID:	UCC-001
Use Case Name:	Send Inquiry
Author:	Alexus Sabanal
Date Created:	2024/08/27
Description	This is the process wherein the customer/visitor/applicant asks an inquiry through a virtual assistant. The virtual assistant processes the inquiry, and if it is not included in the FAQ (Frequently Asked Questions), it redirects the inquiry to the Branch Secretary for further action.
Primary Actor	Customer/ Visitor/Applicant
Secondary Actor	Branch Secretary/HR Officer
Extends Use Case	1. Respond to Inquiries 2. Submit Application
Precondition	1. The virtual assistant must be available and fully functioning
Post condition	1. The Customer/Visitor/Applicant receives an appropriate response to their inquiry. 2. The Customer/Visitor's inquiry is forwarded to the Branch Secretary. 3. The Applicant's inquiry is forwarded to the HR Officer.

Main Flow:	1. The Customer/Visitor/Applicant initiates an inquiry via the virtual assistant (e.g., asking about branch hours).
	2. The virtual assistant receives the inquiry and analyses the content.
	  a. **If the inquiry is general:** The virtual assistant answers it directly.
	  b. **If the inquiry is not within the FAQ:** The virtual assistant asks for the Customer or Applicant's details (Name, Phone Number/Email Address) and the nature of the inquiry. (Extends use case point: Inquiry Answering)
	  c. **If the inquiry is about Job Applications:** The virtual assistant tells the Applicant about what job openings are available.
	    • **If they would want to apply:** Proceed to the Applicant Form (Extends use case point: Submit Application)
	    • **If not:** End Use Case.

FULLY DRESSED USER CASE DIAGRAMS

Application process:

Use Case ID:	UCC-003
Use Case Name:	Application Process
Author:	Alexus Sabanal
Date Created:	2024/08/27
Description	This is the process where the Applicant delivers the necessary documents and conducts the necessary interviews to join the company as an employee.
Primary Actor	Applicant
Secondary Actor	HR Officer
Include Use Cases	1. Checking Applications
Extends Use Cases	1. Job Application Inquiry
Precondition	1. A job opening must be available and posted on the website 2. The HR Officer must be available
Postcondition	1. The potential Applicant becomes deployed as an employee of SGWSSI 2. The potential Applicant is informed of them not being hired.
Main Flow:	1. If the Applicant is using the site to look for job openings: (Extends use case point: Job Application Inquiry). 2. Given how there is a job opening post present, the Applicant posts the necessary files required for the position. 3. The HR Officer triggers use case Checking Applications to view the documents. 4. The HR Officer reviews the files. • **If the Applicant is eligible:** The HR officer schedules a second interview. • **If not:** The Applicant is informed of the rejection. 5. The Applicant partakes in the 2nd Interview as the scheduled date. 6. The HR Officer further examines the Applicant when it comes to their eligibility. • **If further proven eligible:** The Applicant can proceed to Contract Signing.

Alternative Flow:	Alt1: Applicant does not push through with Interview/Job Application. 1. The Applicant is automatically rejected. Use Case end.

Before Midterms: UCC-003 (002)

FULLY DRESSED USER CASE DIAGRAMS

Application process:

Use Case ID:	UCC-002
Use Case Name:	Submit Application
Author:	Alexus Sabanal
Date Created:	2024/08/27
Description	This is the process where the Applicant submits the documents to the system for the HR Officer to view.
Primary Actor	Applicant
Secondary Actor	n/a
Include Use Case	n/a
Precondition	1. A job opening must be available and posted on the website
Post condition	1. The Applicant receives an Application ID

Main Flow:	1. The Applicant clicks Apply Now
	2. The System shows the available Job Listings.
	3. The Applicant is given the option to choose which job opening he will apply to.
	4. The system prompts the Applicant to submit the required documents for the position
	5. The Applicant uploads the required documents.
	   a. **If the documents submitted are complete:** The Applicant proceeds to the next step
	   b. **If not complete:** The Applicant cannot proceed. End Use Case.
	6. The system prompts the Applicant to then answer a series of Interview Questions.
	7. The Applicant answers the interview questions
	   a. **If the Applicant answers all the**

	7. The Applicant answers the interview questions
	   a. **If the Applicant answers all the questions:** They can proceed to the next step.
	   b. **If not:** The Applicant cannot proceed. End Use Case.
	8. The system generates an application ID to the applicant. Signaling to them that the Application has been submitted.
	9. The Applicant receives the Application ID. End Use Case.

After Midterms: UCC-002

FULLY DRESSED USER CASE DIAGRAMS
## After Midterms: UCC-011

Manager views reports:

| Use Case ID:	UCC-011
Use Case Name:	View Reports
Author:	Marc Angelo Nerez
Date Created:	2024/09/27
Description	This use case describes how a manager receives various reports from the dashboard, including the number of applicants, customer requests for proposals, and jobs created for hiring.
Primary Actor	Manager
Secondary Actor	N/A
Precondition	1. The Manager is logged in.
Post condition	1. The Manager successfully views the reports on their dashboard. 2. The Manager can download or print the reports if necessary.
Main Flow:	1. The manager enters the dashboard. 2. The manager navigates to the reports section of the dashboard. 3. The manager selects the "View Reports" tab. 4. The Manager chooses the month of the report they want generated. 5. The system generates the selected report based on the latest data. 6. The manager views the report in full detail. • The manager has the option to download or print the report for further analysis or record-keeping.

ACTIVITY DIAGRAMS
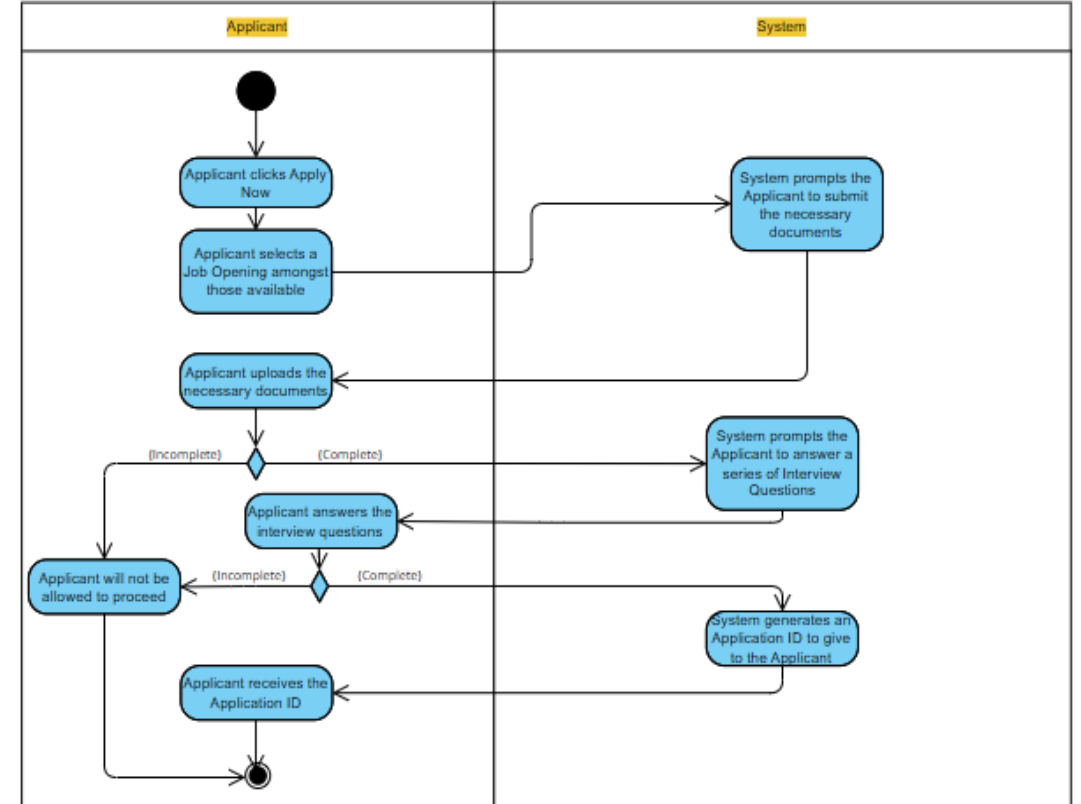
Before: UCC-001
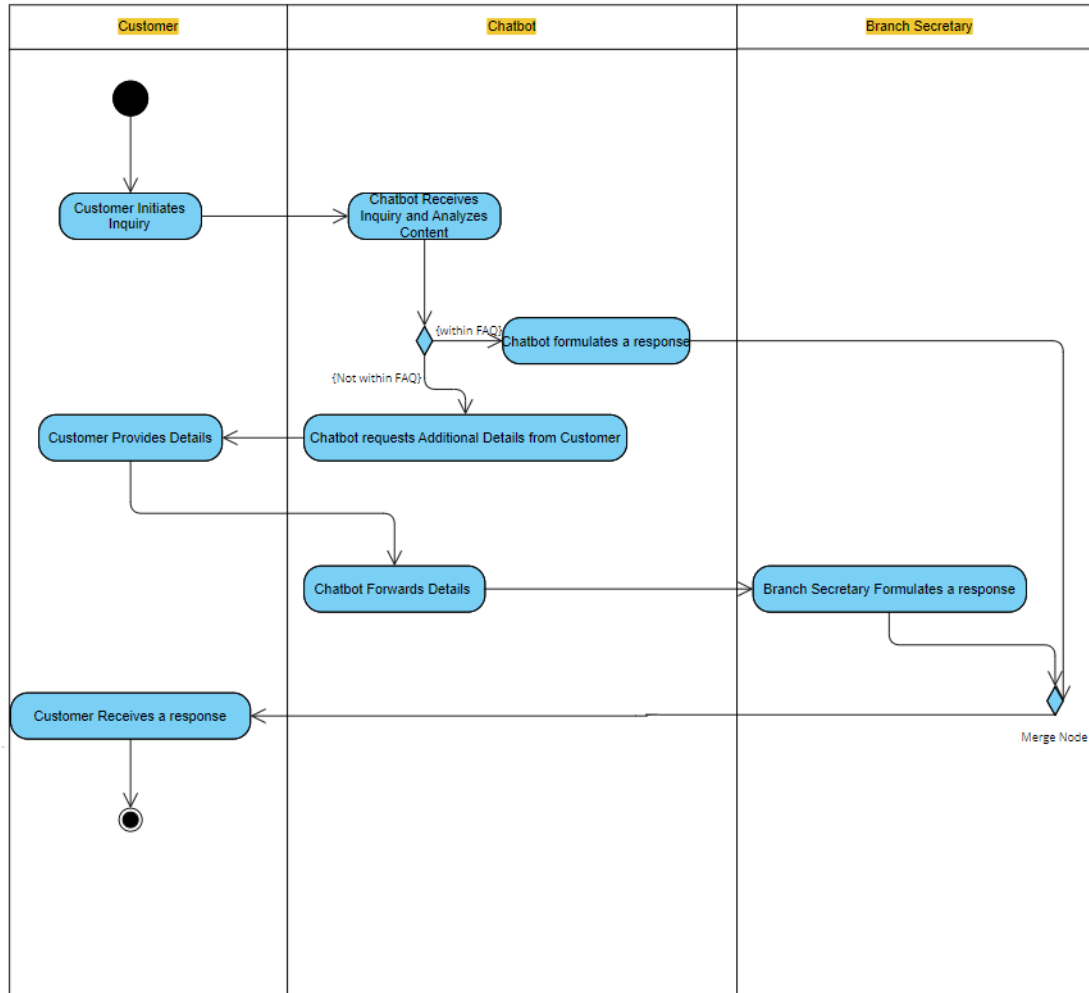
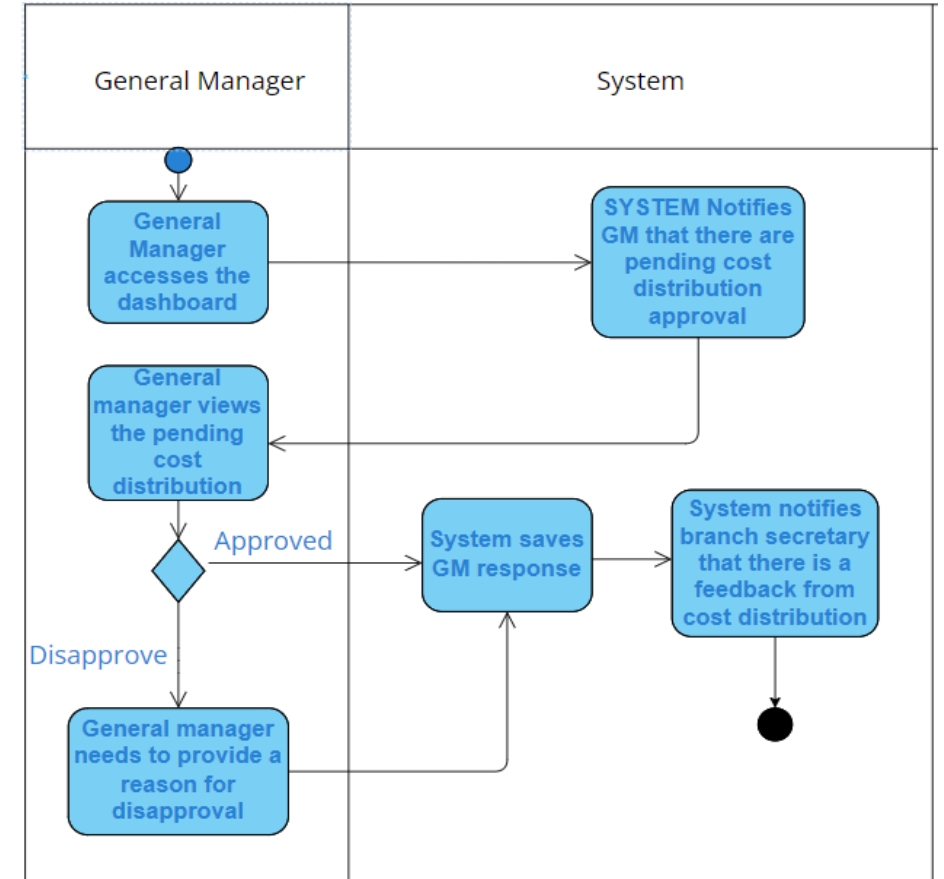After: UCC-001
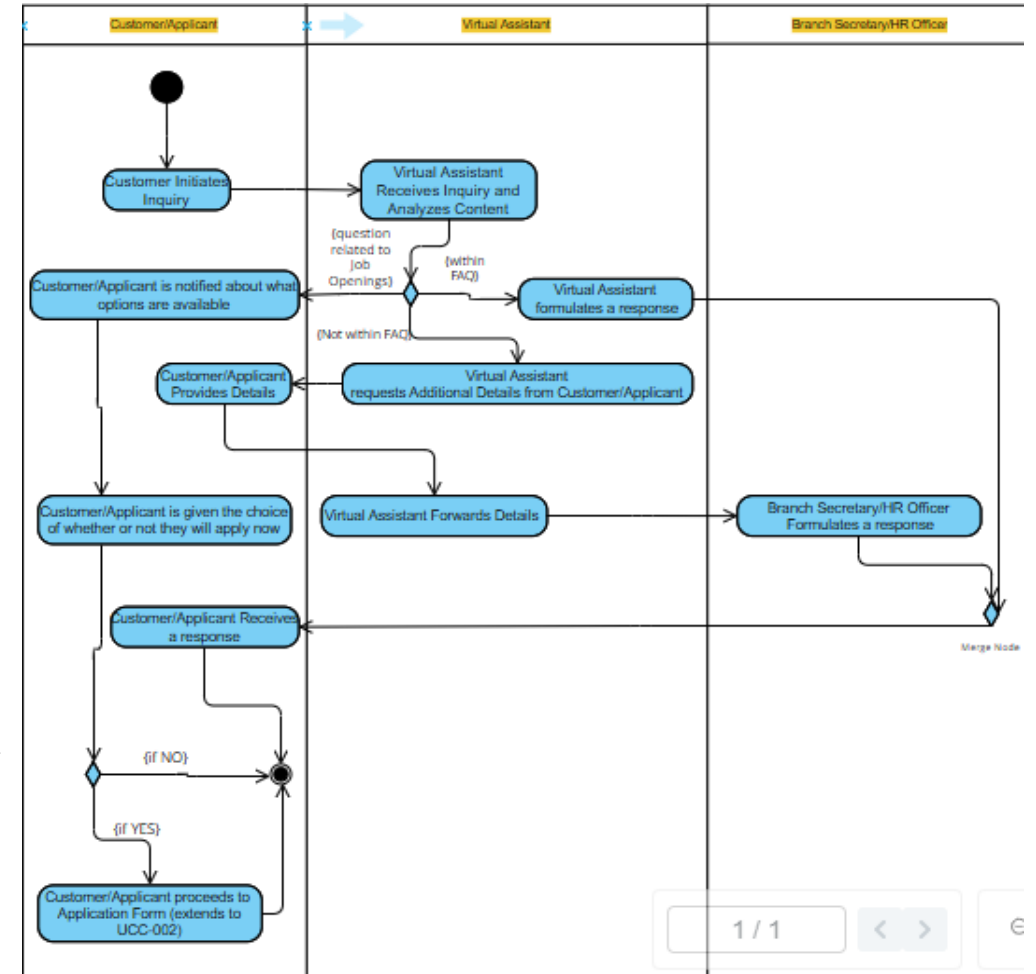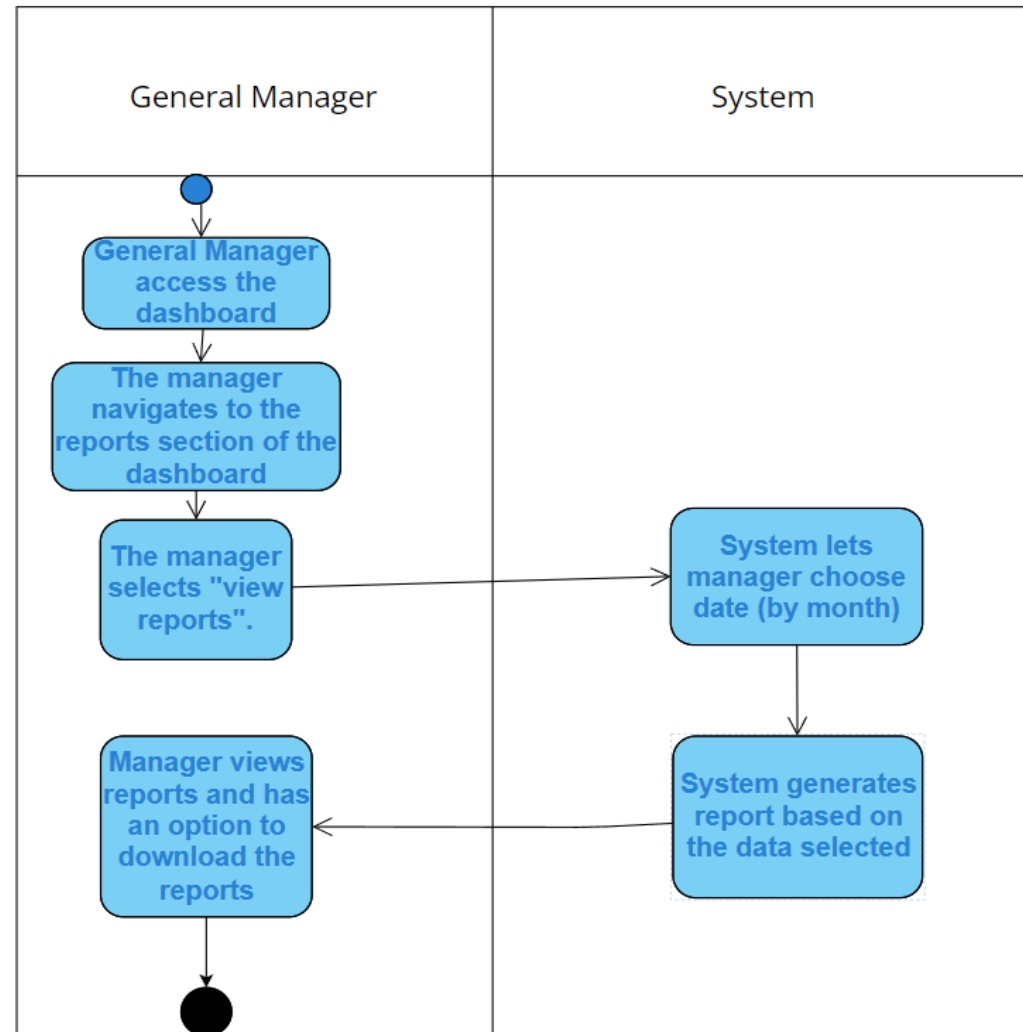
ACTIVITY DIAGRAMS

Before: UCC-003 (002)

After: UCC-002

ACTIVITY DIAGRAMS
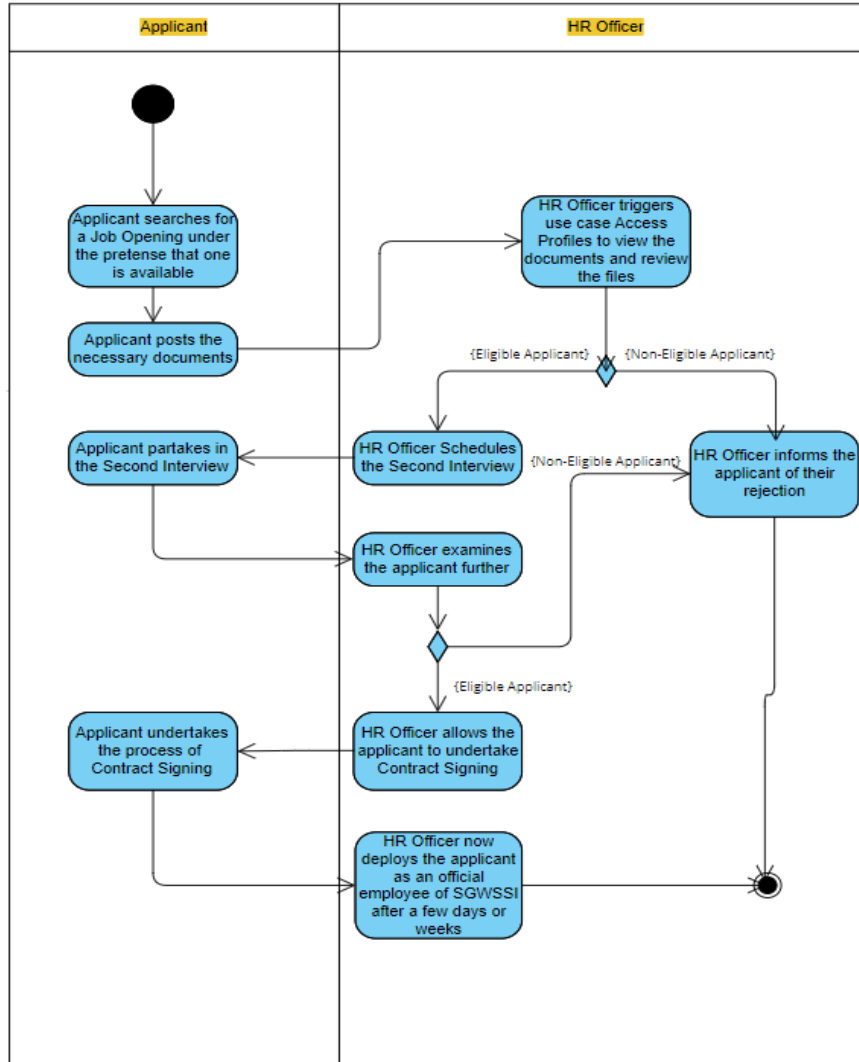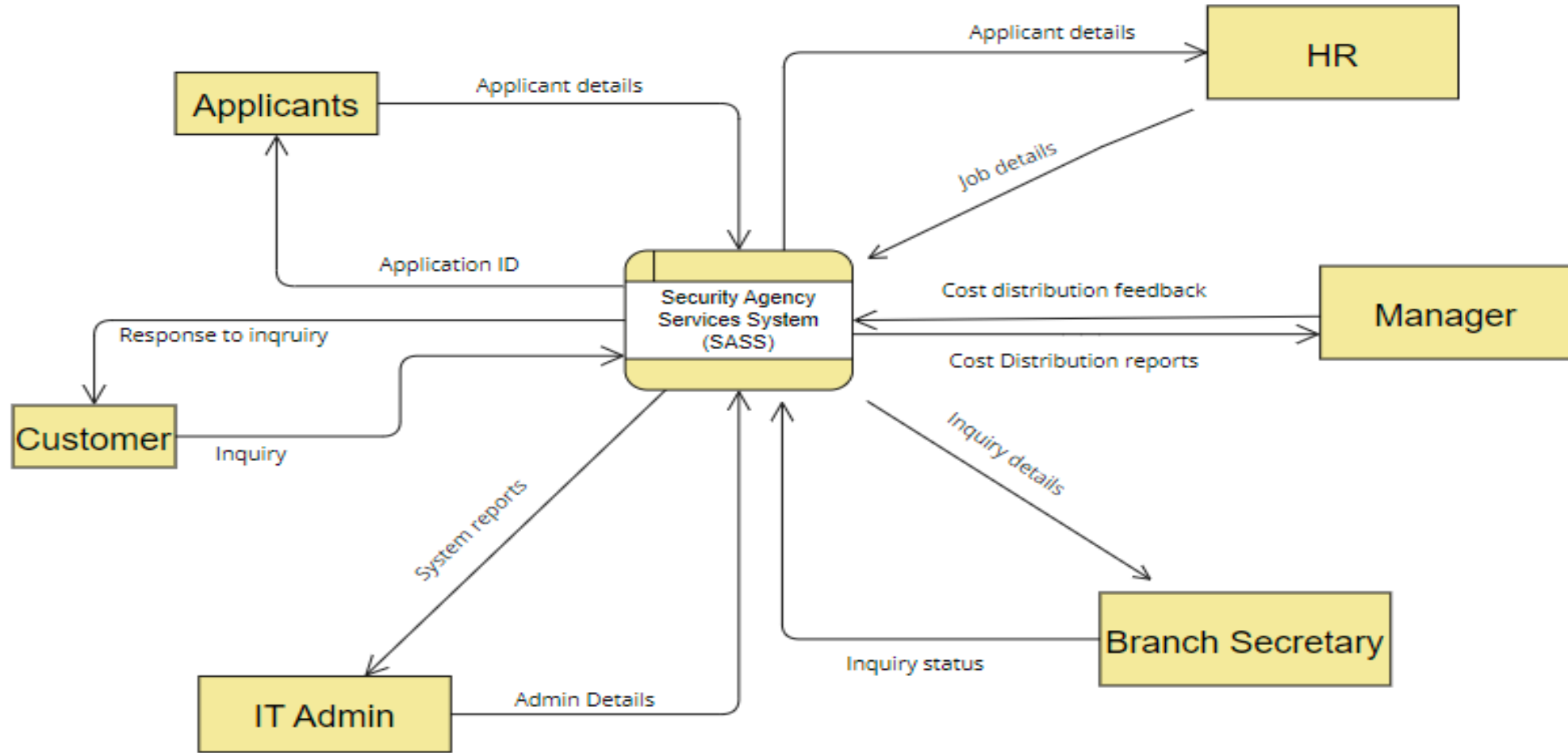
Before: UCC-011 (10)

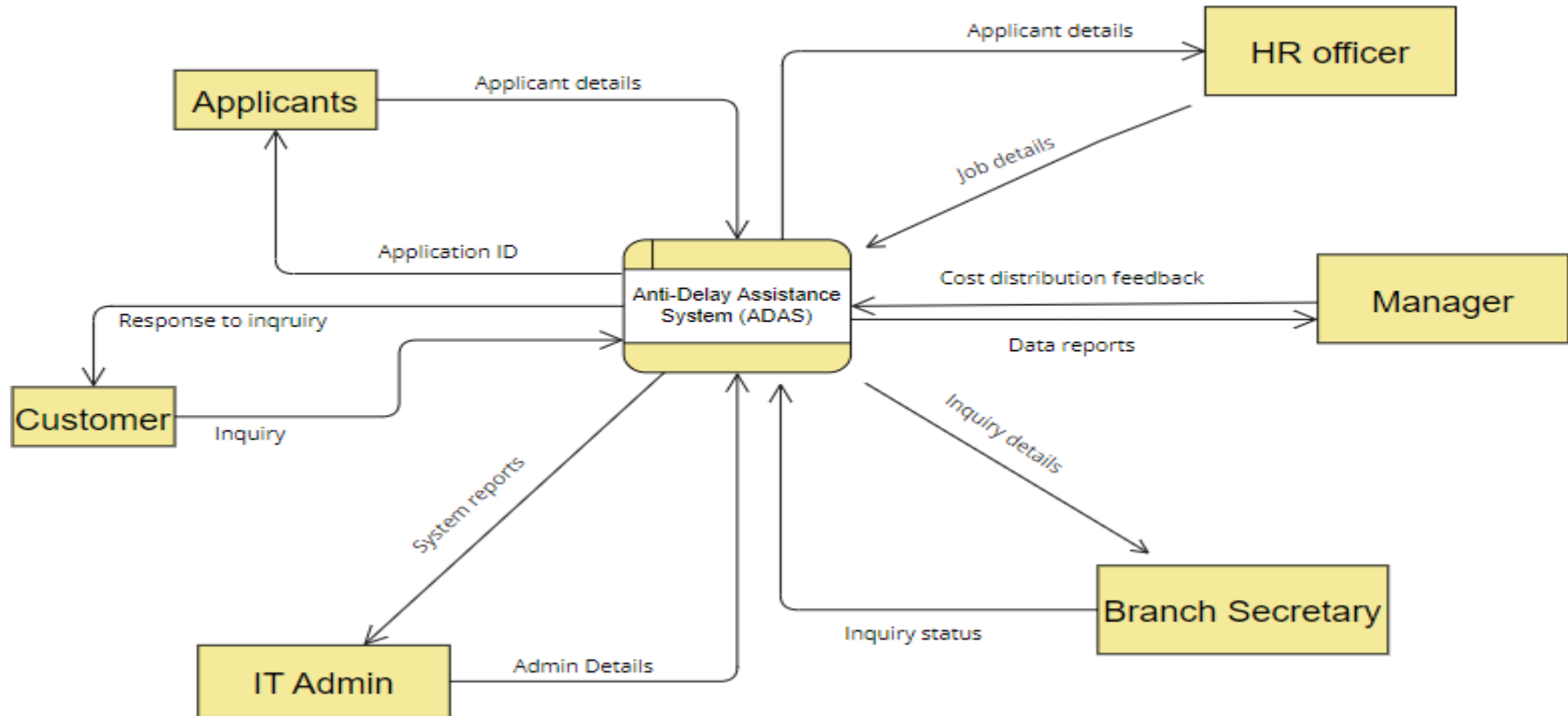After: UCC-010

ACTIVITY DIAGRAMS
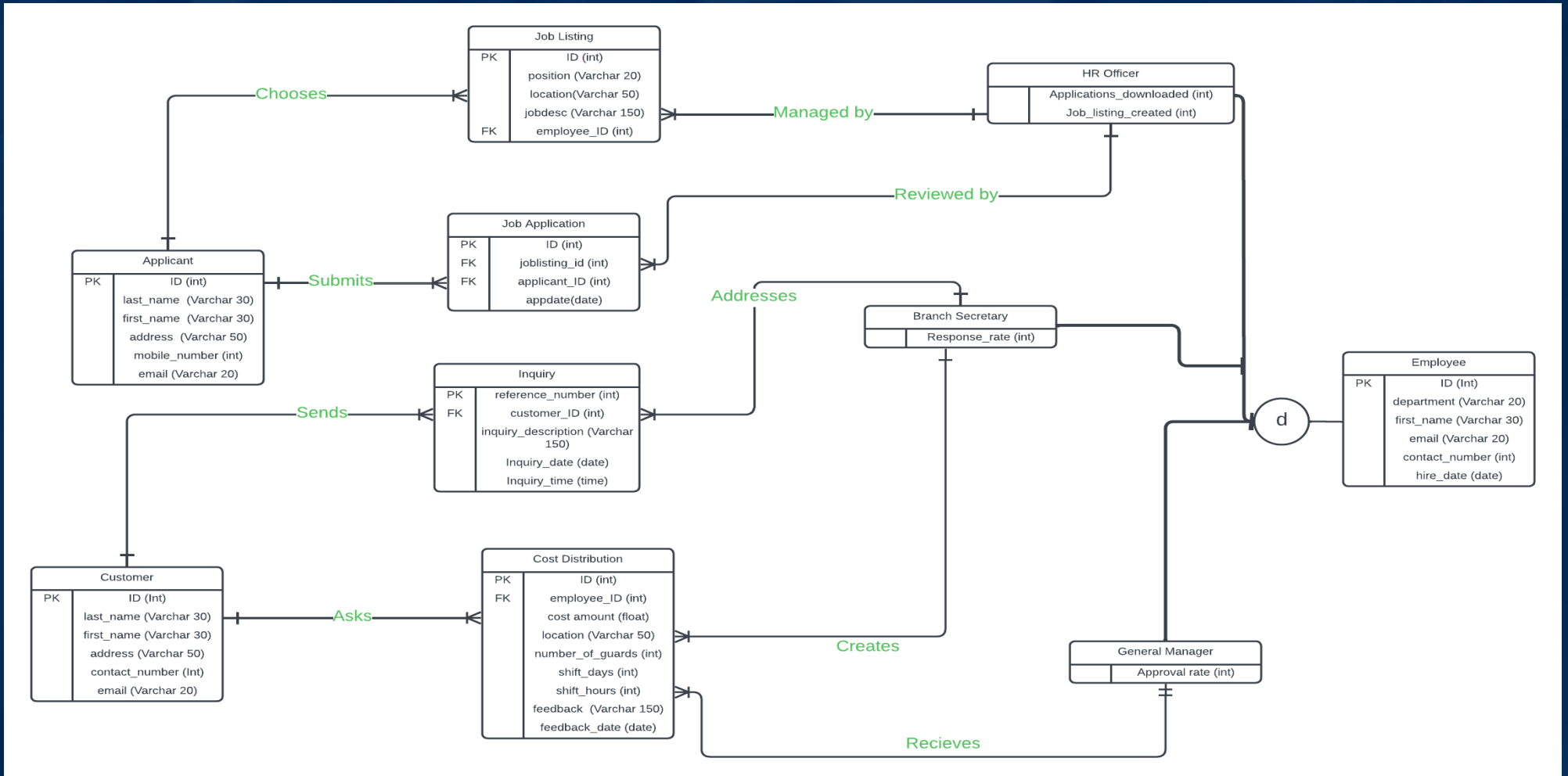
New UCC-011 (10)

DATA FLOW DIAGRAM 0:BEFORE

DATA FLOW DIAGRAM 0:AFTER

Context Diagram (Level 0)

ENTITY RELATIONSHIP DIAGRAM

GITHUB REPOSITORY AND PROTOTYPE

Github Repository Link:

https://github.com/APC-SoCIT/APC-2024-2025-T1-09-Anti-Delay-Assistance-System

Working Prototype Link:

https://smgwssi.jehosubedi.com/