



**Daffodil**  
*International*  
**University**

## **Country Media (CM)**



# Software Requirements Specification

For

## Country Media (CM)

Version 4.0 (Approved)

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# Chapter 1

## Introduction

## 1.1 Objective

The main objective of this project is to increase the business flow in our country. Foreign investor will be able to invest in any country without getting any kind of hassle or sufferings. So, more investor will be feeling encouraged to invest in Bangladesh. By so the local economic growth will be increased with a marvelous rate. Local businesspeople will be also encouraged to create more business opportunities. It will create more value on economic growth. So, the outcome of this project can be creating an extraordinary value on Bangladesh. This service can be creating a fantastic reputation of Bangladesh in all over the world.

## 1.2 Motivation

Being a third world country like ours the economy of our country is facing huge amount of problem. Most of the people in our country are living below poverty line. But in spite of all this our country is improving very rapidly. Nowadays many companies are starting and those are helping in our economy not only that different multinational companies from foreign are investing in our country building an international relation which is helping us a lot to improve our situation. But yet we have long road ahead to go. If more multinational companies invest in our country & with that more companies and business start in our country our country will also be a happy and successful country. It's still a dream for us but it's our target to make that dream come true.

## 1.3 Goal

Our goal from this project is very straight forward. Our main motive is to develop the international investing procedure simpler than today's. In order to do any kind of investment there's a lot of procedure. They need to go here and there with a bag of file. Though some investor doesn't understand where to go and how to do it. So, our main target will be resolving all those problem & encourage more investor to invest in Bangladesh.

## 1.4 Finding the Gap

This is a kind of OSS (One Stop Service). This project will try to provide the financial transaction support also. Though there are some gaps in this flow. This service has included only some limited transaction with the support of bank. Another thing is all the Bangladeshi organization still is not getting online based service system. So, our employee's need to go to the respected organization to complete the filing procedure. But this project is trying to resolve those problem and make this service more useful and valuable to the user.

## Chapter 2

# Feasibility study & Estimation

## **2.1 Feasibility Analysis**

In our software we will be looking for all possible feasibility to ensure that we can focus the economical, technical, operational & also legal feasibility. The main purpose of our feasibility study will be ensuring that we can develop this project successfully. In this way we will also analyze the tools & technologies which we will be using to develop this project.

### **2.1.1 Technical feasibility**

Day by day all the technologies around us are getting up to date so to keep up with the world's continuous changing motion we will be using all the latest technologies to develop our project. All sector of our project like the usage of technologies the working procedure of the members will be implemented specifically to minimize all kind of hazard.

### **2.1.2 Economical feasibility**

In our project budget estimation, we are aware that in order to complete this project with all its functionality we need that much amount of money & time. To build our software system we need to purchase the required software's. The team member of the project, project manager, system tester and the other members of the project need the proper payment. Budget estimation of this project is shown in the diagram.

### **2.1.3 Legal feasibility**

Our main purpose for this project development is to provide services to our country economically. But in order to that we have to follow all the rules & regulation of our country so that we don't go against any of these rules. We need to publish this project legally to serve our country. We have to get all the legal license in order to provide service to anyone.

### **2.1.4 Operational feasibility**

Now the world is changing at a rapid rate so with this change the world economically changing. Bangladesh is also developing day by day but it's good news for us that different multinational companies across the world wants to invest in different sector of our countries business. But unfortunately, there isn't any organized way to from where all facility is provided. So, our target will be to provide that.



### **2.1.5 Scheduling Feasibility**

The project has been scheduled for 4 months. The project is scheduled in such a way that from requirements gathering to implementation, testing maximum possible time has been assigned. Time estimation is provided in below figure.

## 2.2 Time Estimation

teamgantt  
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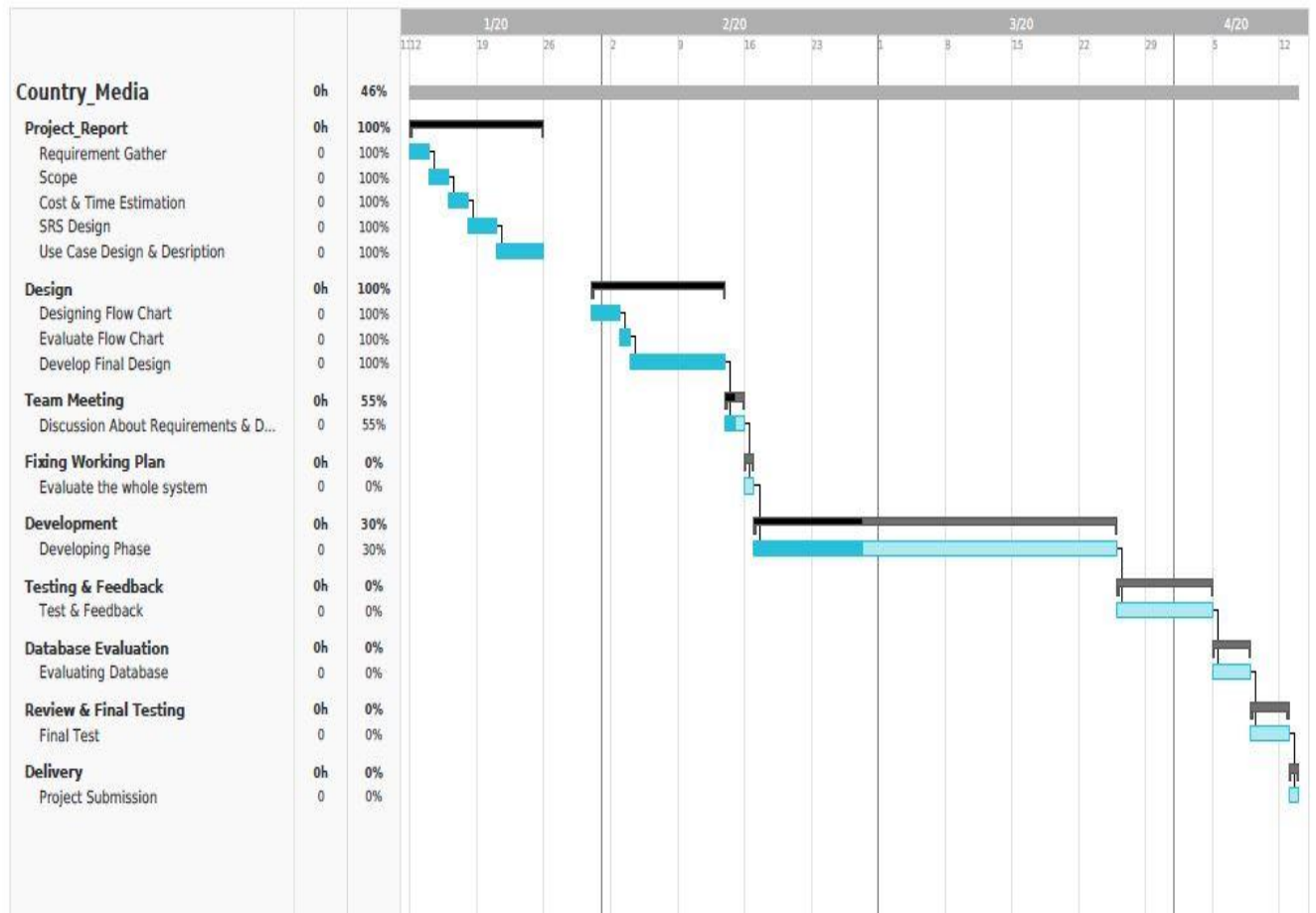


Figure 1.0: Time Estimation

## 2.3 Cost Estimation

Items	Units/hrs.	Cost/ Units/ hrs.	Subtotals	Totals	%Of Totals
1. Project Team				550000\$	79.50%
Project manager	1000	100\$	100000\$		
Team members	5000	90\$	450000\$		
2. Hardware				4500\$	0.65%
Devices			3500\$		
Servers			1000\$		
3. Software				1000\$	0.14%
Visual studio professional			350\$		
Microsoft SQL server			250\$		
Windows 10 pro			400\$		
4. Testing				85000\$	12.28%
5. Training & support				50000\$	7.22%
6. Others				1250\$	0.18%
Total Project Cost Estimation				= 691750\$	

Figure 2.0: Cost Estimation

## **Chapter 3**

# **Project Requirements**

### **3.1 Project Requirement**

The basic requirement of this project is to communicate with the investor who are interested to invest in Bangladesh. Though the project can't be done without facing this functional requirement.

### **3.2 Stakeholders**

Investor, Employee, Admin

### 3.3.1 Functional Requirements for Investor

**Prerequisite:** Investor signed in for some requirements below

<b>Requirement ID</b>	R1.01.01
<b>Title</b>	Do Registration
<b>Description</b>	This action is done to create an account.
<b>Stakeholder</b>	Investor, Employee
<b>Priority</b>	High

<b>Requirement ID</b>	R1.01.02
<b>Title</b>	Do Login & Logout
<b>Description</b>	This event is for login in the main system
<b>Stakeholder</b>	Admin, Investor, Employee
<b>Priority</b>	High

<b>Requirement ID</b>	R1.01.03
<b>Title</b>	View Services
<b>Description</b>	This event is will show the details services which the system will provided
<b>Stakeholder</b>	Investor, Employee
<b>Priority</b>	Medium

<b>Requirement ID</b>	R1.01.04
<b>Title</b>	Info. & Guidelines
<b>Description</b>	This event is will view the details guidelines & instructions for this system
<b>Stakeholder</b>	Investor, Employee
<b>Priority</b>	Medium

<b>Requirement ID</b>	R1.01.05
<b>Title</b>	Visit Profile
<b>Description</b>	This action can view the each of the actor's profile & details
<b>Stakeholder</b>	Admin, Investor, Employee
<b>Priority</b>	High

<b>Requirement ID</b>	R1.01.06
<b>Title</b>	Make Contact
<b>Description</b>	This event will give the support to do contact with each other
<b>Stakeholder</b>	Investor, Employee
<b>Priority</b>	High

<b>Requirement ID</b>	R1.01.07
<b>Title</b>	View Companies
<b>Description</b>	This action can show the companies which are connected to the system
<b>Stakeholder</b>	Investor, Employee
<b>Priority</b>	High

<b>Requirement ID</b>	R1.01.08
<b>Title</b>	Get Banking Facilities
<b>Description</b>	This action will give the financial transaction support between Investor, system & companies
<b>Stakeholder</b>	Investor
<b>Priority</b>	High

<b>Requirement ID</b>	R1.01.09
<b>Title</b>	See Terms & Conditions
<b>Description</b>	This event is will show the details of terms & conditions to settle an agreement
<b>Stakeholder</b>	Investor
<b>Priority</b>	High

<b>Requirement ID</b>	R1.01.10
<b>Title</b>	Make Agency Contract
<b>Description</b>	This action will give the opportunities to contact with the desire agency or companies
<b>Stakeholder</b>	Investor
<b>Priority</b>	High

<b>Requirement ID</b>	R1.01.11
<b>Title</b>	Set Schedule & Meeting
<b>Description</b>	This event is will setup a meeting for the stakeholders
<b>Stakeholder</b>	Investor, Employee
<b>Priority</b>	High



<b>Requirement ID</b>	R1.01.12
<b>Title</b>	Set up the Agreements
<b>Description</b>	Through this event the deal will be fix
<b>Stakeholder</b>	Investor
<b>Priority</b>	High

<b>Requirement ID</b>	R1.01.13
<b>Title</b>	Go to Chat Box
<b>Description</b>	This event is a 24/7 chatting functionality
<b>Stakeholder</b>	Investor, Employee
<b>Priority</b>	High

### 3.3.2 Functional Requirements for Employee

**Prerequisite:** Employee signed in for some requirements below

<b>Requirement ID</b>	R1.03.01
<b>Title</b>	Do Registration
<b>Description</b>	This event is for login in the main system
<b>Stakeholder</b>	Client, Employee
<b>Priority</b>	High

<b>Requirement ID</b>	R1.03.02
<b>Title</b>	Do Login & Logout
<b>Description</b>	This event is for login in the main system
<b>Stakeholder</b>	Client, Employee
<b>Priority</b>	High

<b>Requirement ID</b>	R1.03.03
<b>Title</b>	Provide Approval Result
<b>Description</b>	Through this event the respective employee can approve or deny the agreements
<b>Stakeholder</b>	Employee
<b>Priority</b>	High

<b>Requirement ID</b>	R1.03.04
<b>Title</b>	Provide Agreements
<b>Description</b>	Through this event the deal will be fix
<b>Stakeholder</b>	Employee
<b>Priority</b>	High

<b>Requirement ID</b>	R1.03.05
<b>Title</b>	Set Terms & Conditions
<b>Description</b>	This event is will show the details of terms & conditions to settle an agreement
<b>Stakeholder</b>	Employee
<b>Priority</b>	High

<b>Requirement ID</b>	R1.03.06
<b>Title</b>	Set Schedule a meeting
<b>Description</b>	This event is will setup a meeting for the stakeholders
<b>Stakeholder</b>	Employee, Client
<b>Priority</b>	High

<b>Requirement ID</b>	R1.03.07
<b>Title</b>	Make Contact
<b>Description</b>	This event will give the support to do contact with each other
<b>Stakeholder</b>	Employee, Client
<b>Priority</b>	High

<b>Requirement ID</b>	R1.03.08
<b>Title</b>	Go to Chat Box
<b>Description</b>	This event is a 24/7 chatting functionality
<b>Stakeholder</b>	Employee, Client
<b>Priority</b>	Medium

### 3.3.3 Functional Requirements for Admin

**Prerequisite:** Admin signed in for some requirements below

<b>Requirement ID</b>	R1.02.02
<b>Title</b>	Visit Profile
<b>Description</b>	This action can view the each of the actor's profile & details
<b>Stakeholder</b>	Admin, Client, Employee
<b>priority</b>	High

<b>Requirement ID</b>	R1.02.03
<b>Title</b>	Make Contact
<b>Description</b>	This event will give the support to do contact with each other
<b>Stakeholder</b>	Admin, Client, Employee
<b>priority</b>	High

<b>Requirement ID</b>	R1.02.04
<b>Title</b>	Do Tax Calculation
<b>Description</b>	This event will calculate tax for the investments
<b>Stakeholder</b>	Admin
<b>priority</b>	High

<b>Requirement ID</b>	R1.02.05
<b>Title</b>	Provide Confidential & security
<b>Description</b>	This event will ensure the security purpose for the stakeholders
<b>Stakeholder</b>	Admin
<b>priority</b>	High

<b>Requirement ID</b>	R1.02.06
<b>Title</b>	Go to Chat Box
<b>Description</b>	This event is a 24/7 chatting functionality
<b>Stakeholder</b>	Admin
<b>priority</b>	High

### **3.4 Nonfunctional Requirements**

#### **3.4.1 Performance Requirements**

Response time: System's execution time is more efficient and it's running quickly within a second. Its response time is shorter. If more users request specific one function at a time, then it is running without any interruption.

Throughput: This system can execute multiple functions within a second. Multiple function's execution time is not creating conflict to any other.

#### **3.4.2 Safety Requirements**

The system is being protected from harm outcomes. This requirement refers to the control of the acceptable level of risk. It maintains installation safety because harmful software may be attack system installation time.

#### **3.4.3 Security requirements**

When a user runs this system or can execute that time, he/she will give all information about him/her for this system security. The system must be check authentication when a user can access more function. It can do check all legal issue by itself and identify or detect virus or malware or cookie. It should not break by sudden attacks from an internal or external source.

## **Chapter 4**

# **Use case Diagram & Description**



## 4.1 Use Case for Investor

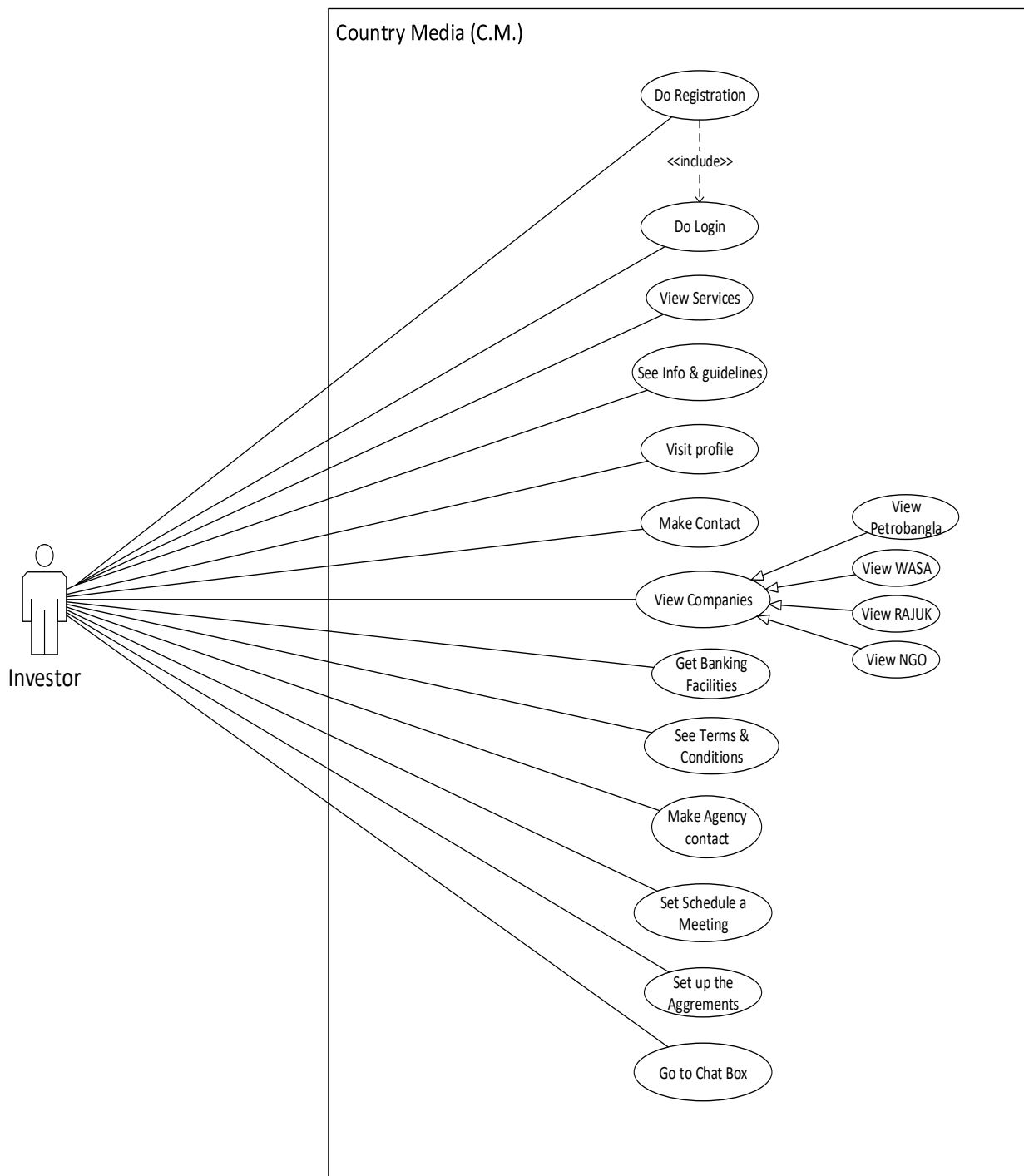


Figure 3.0: Use Case for Investor

## 4.2 Use Case for Admin

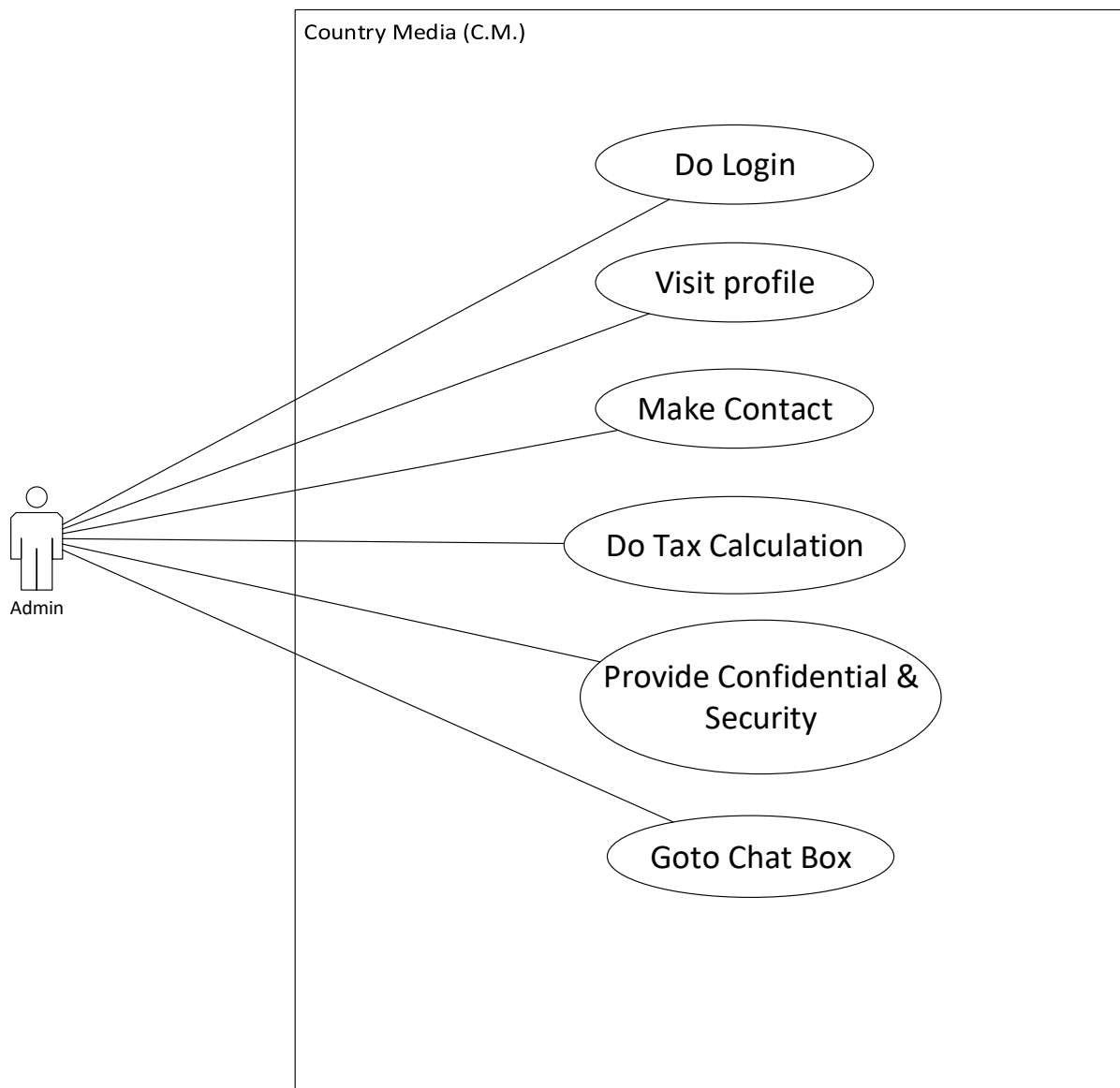


Figure 4.0: Use Case for Admin

### 4.3 Use Case for Employee



Figure 5.0: Use Case for Employee

## 4.4 Use Case Description

<b>Use case No:</b>	0.01.01
<b>Use case Name:</b>	Do Registration
<b>Actor</b>	Investor, Employee
<b>Pre- Condition</b>	User should enter the system
<b>Trigger</b>	Click the “Registration” button
<b>Description</b>	Allowing Investor & Employee to Create an account
<b>Flow of Events</b>	-Click on Registration button -Input all the fields -Click on register
<b>Post Condition</b>	Investor, Employee can able to enter the system now by login procedure
<b>Functional requirement</b>	Do Registration

<b>Use case No:</b>	0.01.02
<b>Use case Name:</b>	Do Login
<b>Actor</b>	Investor, Employee, Admin
<b>Pre- Condition</b>	User should register an account
<b>Trigger</b>	Click the “Login” button
<b>Description</b>	Allowing Investor, Employee & Admin to enter into the system
<b>Flow of Events</b>	-Click on Login button -Input username & password -Click on Login
<b>Post Condition</b>	Investor, Employee & Admin can able to use every functionality of the system
<b>Functional requirement</b>	Do Login

<b>Use case No:</b>	0.01.03
<b>Use case Name:</b>	View Services
<b>Actor</b>	Investor
<b>Pre- Condition</b>	User should view the services
<b>Trigger</b>	Click the “Services” button
<b>Description</b>	Will show the details of the services of the system
<b>Flow of Events</b>	-Click on Services button -Show the displayed objects
<b>Post Condition</b>	Investor will go to the details functionality
<b>Functional requirement</b>	View Services

<b>Use case No:</b>	0.01.04
<b>Use case Name:</b>	Visit Profile
<b>Actor</b>	Investor, Employee, Admin
<b>Pre- Condition</b>	User should view the profile
<b>Trigger</b>	Click the “View” button
<b>Description</b>	Will show the details of the Profile of the User
<b>Flow of Events</b>	-Click on View button -Show the profile of users
<b>Post Condition</b>	Users will visit all the profile details
<b>Functional requirement</b>	Visit Profile

<b>Use case No:</b>	0.01.05
<b>Use case Name:</b>	See Information & Guidelines
<b>Actor</b>	Investor
<b>Pre- Condition</b>	Investor will show all the information & details
<b>Trigger</b>	Click the “View” button
<b>Description</b>	Will give all the information & how the system work it's overview
<b>Flow of Events</b>	-Click on View button -will show information & guidelines
<b>Post Condition</b>	Users will visit all the Information & details
<b>Functional requirement</b>	See Information & Guidelines

<b>Use case No:</b>	0.01.06
<b>Use case Name:</b>	Make Contact
<b>Actor</b>	Employee
<b>Pre- Condition</b>	Employee will provide services
<b>Trigger</b>	Click the “Contact-us” button
<b>Description</b>	All the services will be provided through this process
<b>Flow of Events</b>	-Click on service button -will provide services to the Investor
<b>Post Condition</b>	Users need to get services from employee
<b>Functional requirement</b>	Make Contact

<b>Use case No:</b>	0.01.07
<b>Use case Name:</b>	Go to Chat Box
<b>Actor</b>	Employee, Investor
<b>Pre- Condition</b>	Employee, Investor will provide services
<b>Trigger</b>	Click the “Contact-us” button
<b>Description</b>	This process will be helpful to buildup connection with everyone
<b>Flow of Events</b>	-Write the text -Click on the send button
<b>Post Condition</b>	Users need to share those text
<b>Functional requirement</b>	Go to Chat Box

<b>Use case No:</b>	0.01.08
<b>Use case Name:</b>	View Companies
<b>Actor</b>	Investor
<b>Pre- Condition</b>	Investor will view the companies
<b>Trigger</b>	Click the “Companies” button
<b>Description</b>	This process will help to choose a company to to invest
<b>Flow of Events</b>	-Click on the company’s button -Watch the list of the company
<b>Post Condition</b>	Investor will deal with a company
<b>Functional requirement</b>	View Companies

<b>Use case No:</b>	0.01.09
<b>Use case Name:</b>	Make Agency Contact
<b>Actor</b>	Investor
<b>Pre- Condition</b>	Investor will contact the agencies
<b>Trigger</b>	Click the “Agency Contact” button
<b>Description</b>	This process will be helpful to buildup connection with agency
<b>Flow of Events</b>	-Click on the button -Make a desire communication
<b>Post Condition</b>	Investor will contact and fix a deal
<b>Functional requirement</b>	Make Agency Contact

<b>Use case No:</b>	0.01.10
<b>Use case Name:</b>	Get Banking Facilities
<b>Actor</b>	Investor
<b>Pre- Condition</b>	Investor must fix a deal first
<b>Trigger</b>	Click the “Banking” button
<b>Description</b>	This process will be helpful to make the financial deals
<b>Flow of Events</b>	-Click on the Banking button -Go through the banking process
<b>Post Condition</b>	Investor will go through the banking services
<b>Functional requirement</b>	Get Banking Facilities

<b>Use case No:</b>	0.01.11
<b>Use case Name:</b>	Do Tax Calculation
<b>Actor</b>	Employee
<b>Pre- Condition</b>	Employee will calculate the tax for the investments
<b>Trigger</b>	Click the “Tax dept.” button
<b>Description</b>	This process will be helpful to calculate the tax properly
<b>Flow of Events</b>	-Click on the Tax dept button -Calculate the tax
<b>Post Condition</b>	The tax cost will be added to the Investor’s wallet
<b>Functional requirement</b>	Do Tax Calculation

<b>Use case No:</b>	0.01.12
<b>Use case Name:</b>	Provide Confidential & Security
<b>Actor</b>	Investor
<b>Pre- Condition</b>	Investor will take services
<b>Trigger</b>	Click the “Confidential & Security” button
<b>Description</b>	This process will be helpful to make sure the security purpose
<b>Flow of Events</b>	-Click on the Confidential & Security button -Take the facilities
<b>Post Condition</b>	Investor will take the necessary steps
<b>Functional requirement</b>	Provide Confidential & Security

<b>Use case No:</b>	0.01.13
<b>Use case Name:</b>	Set Schedule a Meeting
<b>Actor</b>	Employee, Investor
<b>Pre- Condition</b>	Employee, Investor will propose for a meeting
<b>Trigger</b>	Click the “Schedule & meeting” button
<b>Description</b>	This process will be helpful to set e meeting easily
<b>Flow of Events</b>	-Click on the Schedule & meeting button -Fix a date and time
<b>Post Condition</b>	They will sit in a meeting
<b>Functional requirement</b>	Set Schedule a Meeting



<b>Use case No:</b>	0.01.14
<b>Use case Name:</b>	See Terms & Conditions
<b>Actor</b>	Investor
<b>Pre- Condition</b>	Investor will view the terms & condition
<b>Trigger</b>	Click the “Terms & Conditions” button
<b>Description</b>	This process will be helpful to see the basic criteria to deal the process
<b>Flow of Events</b>	-Click on the Terms & Conditions button -See all the points
<b>Post Condition</b>	Investor will responsible for those stuff
<b>Functional requirement</b>	See Terms & Conditions

<b>Use case No:</b>	0.01.15
<b>Use case Name:</b>	Provide Agreements
<b>Actor</b>	Investor
<b>Pre- Condition</b>	Investor will fix the project first
<b>Trigger</b>	Click the “Agreements” button
<b>Description</b>	This process will be helpful to make an agreement
<b>Flow of Events</b>	-Click on the Agreements button -Fix the deal
<b>Post Condition</b>	Investor will finalize the project
<b>Functional requirement</b>	Provide Agreements

<b>Use case No:</b>	0.01.16
<b>Use case Name:</b>	Provide Approval result
<b>Actor</b>	Employee
<b>Pre- Condition</b>	Employee will provide an approval result after setting up every previous step
<b>Trigger</b>	Click the “Approval result” button
<b>Description</b>	This process will approve or deny a project
<b>Flow of Events</b>	-Click on the Approval result button -Make an opinion
<b>Post Condition</b>	Employee will inform it to the Investors
<b>Functional requirement</b>	Provide Approval result

## **Chapter 5**

# **Activity Diagram**

## 5.1 Activity Diagram

### Activity for Investor

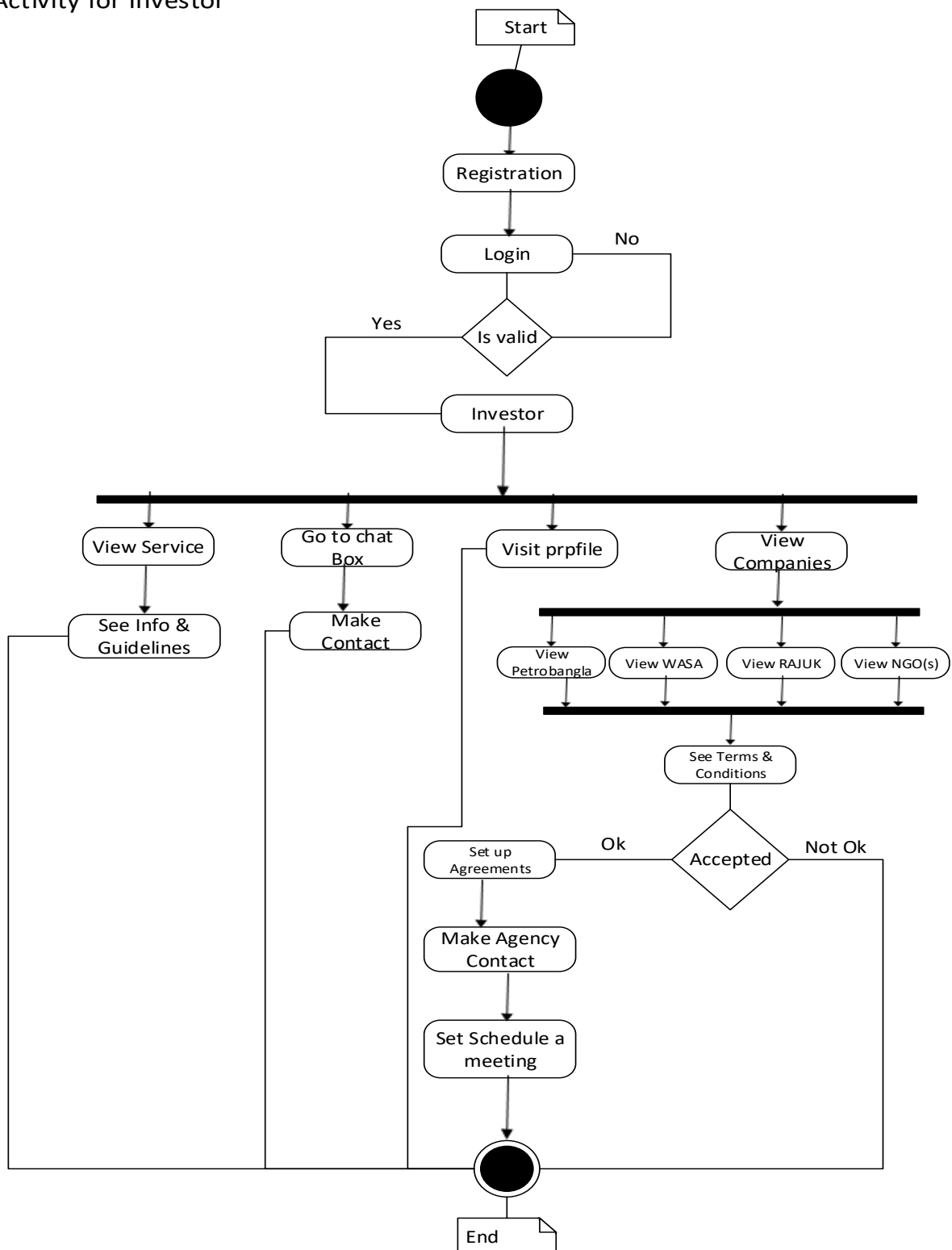


Figure 6.0: Activity for Investor

## 5.2 Activity Diagram

### Activity for Admin

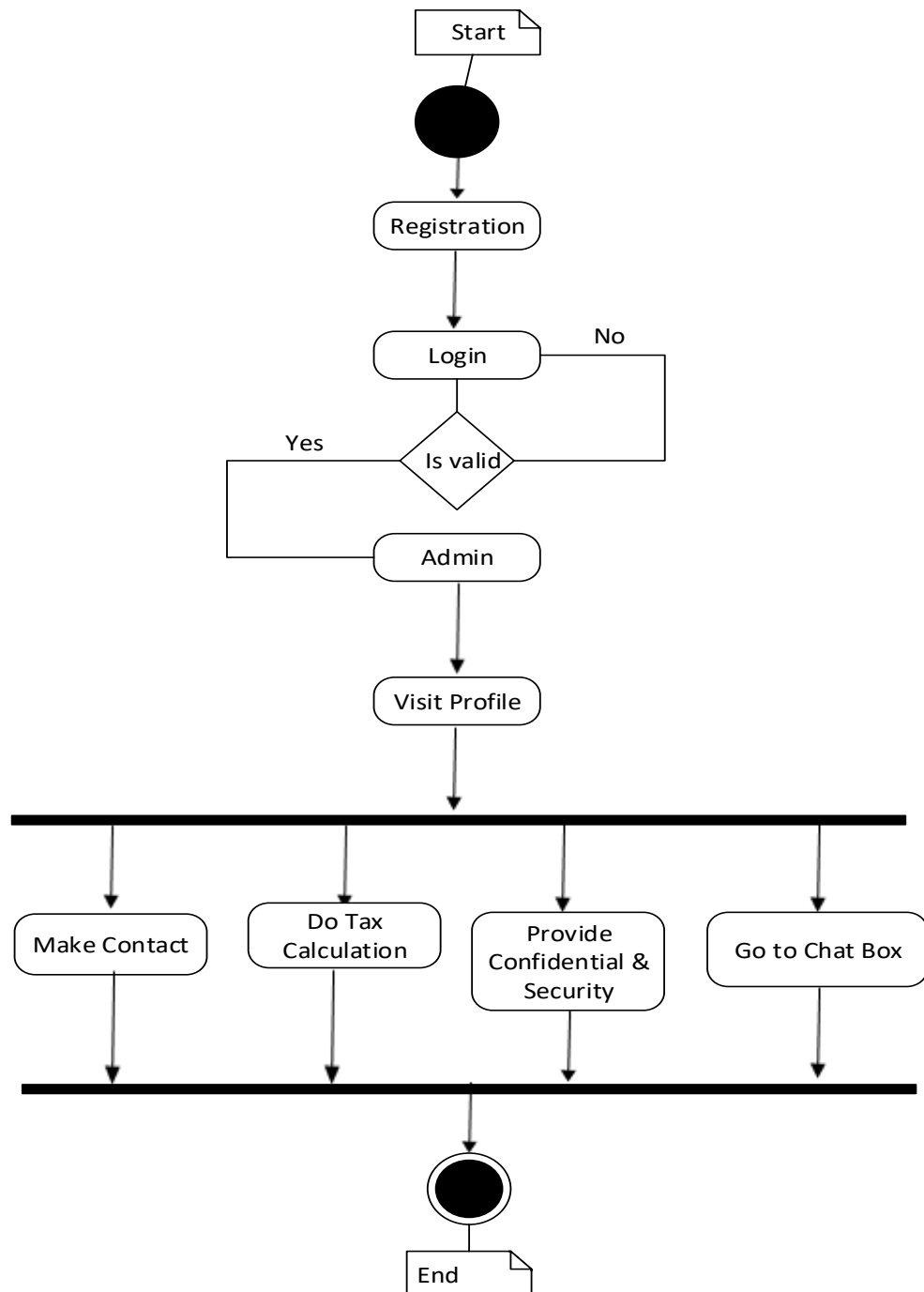


Figure 7.0: Activity for Admin

### 5.3 Activity Diagram

#### Activity for Employee

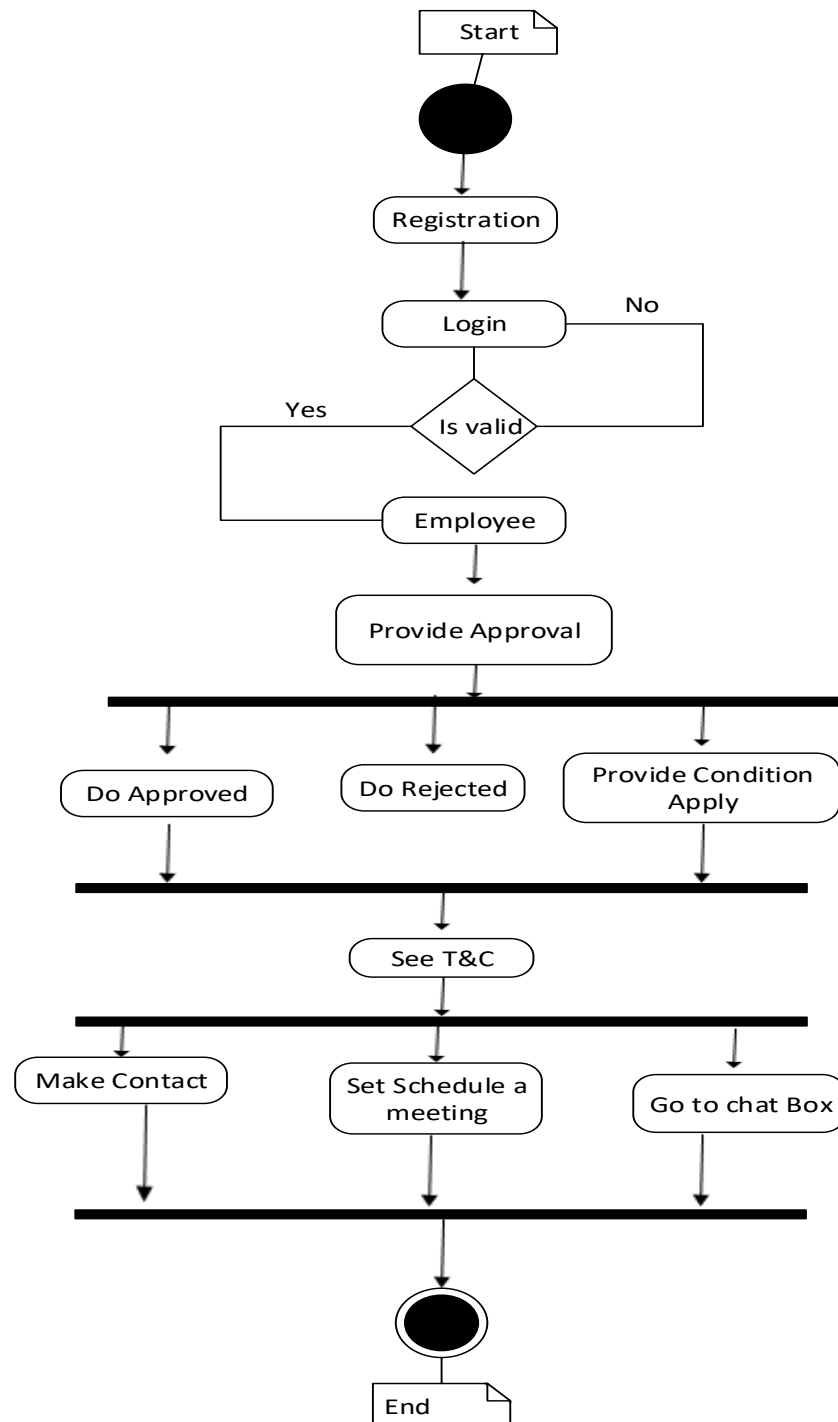


Figure 8.0: Activity for Employee

## **Chapter 6**

# **Class Diagram**

## 6.1 Class Diagram

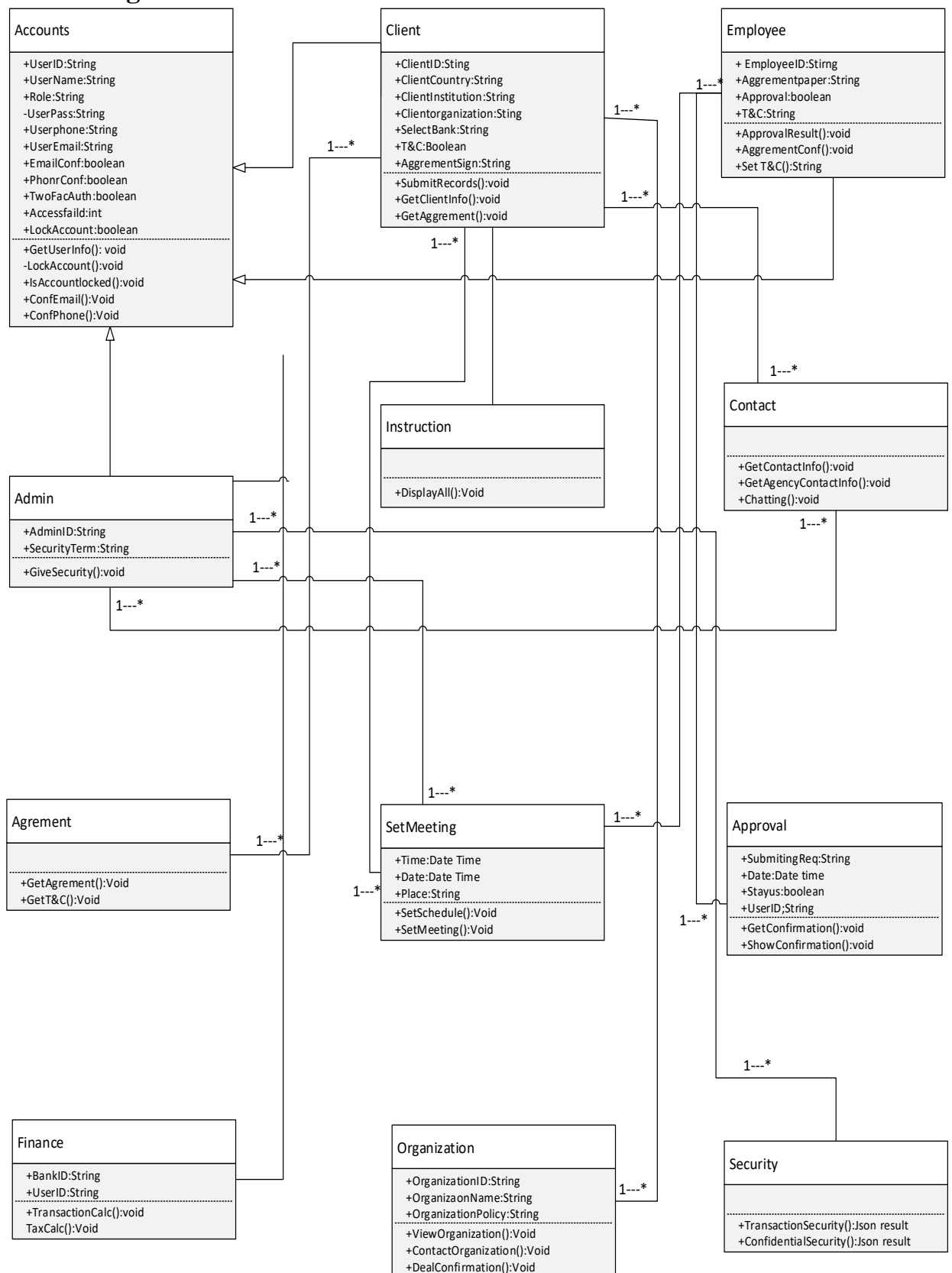


Figure 9.0: Class Diagram



## **Chapter 7**

# **Sequence Diagram**

## 7.1 Sequence Diagram for Investor

### Sequence Diagram For Investor

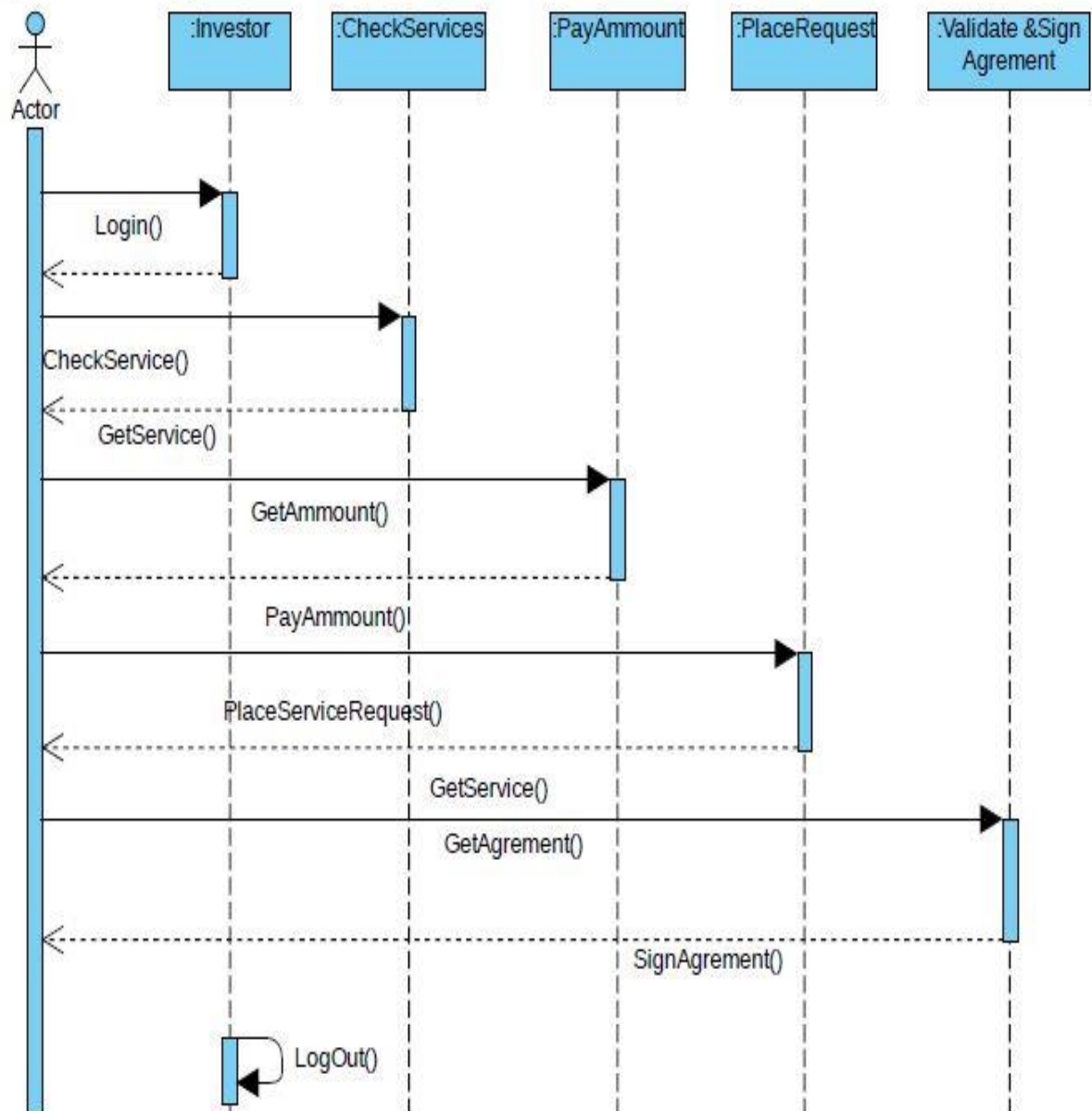


Figure 10.0: Sequence diagram for Investor

## 7.2 Sequence Diagram for Admin

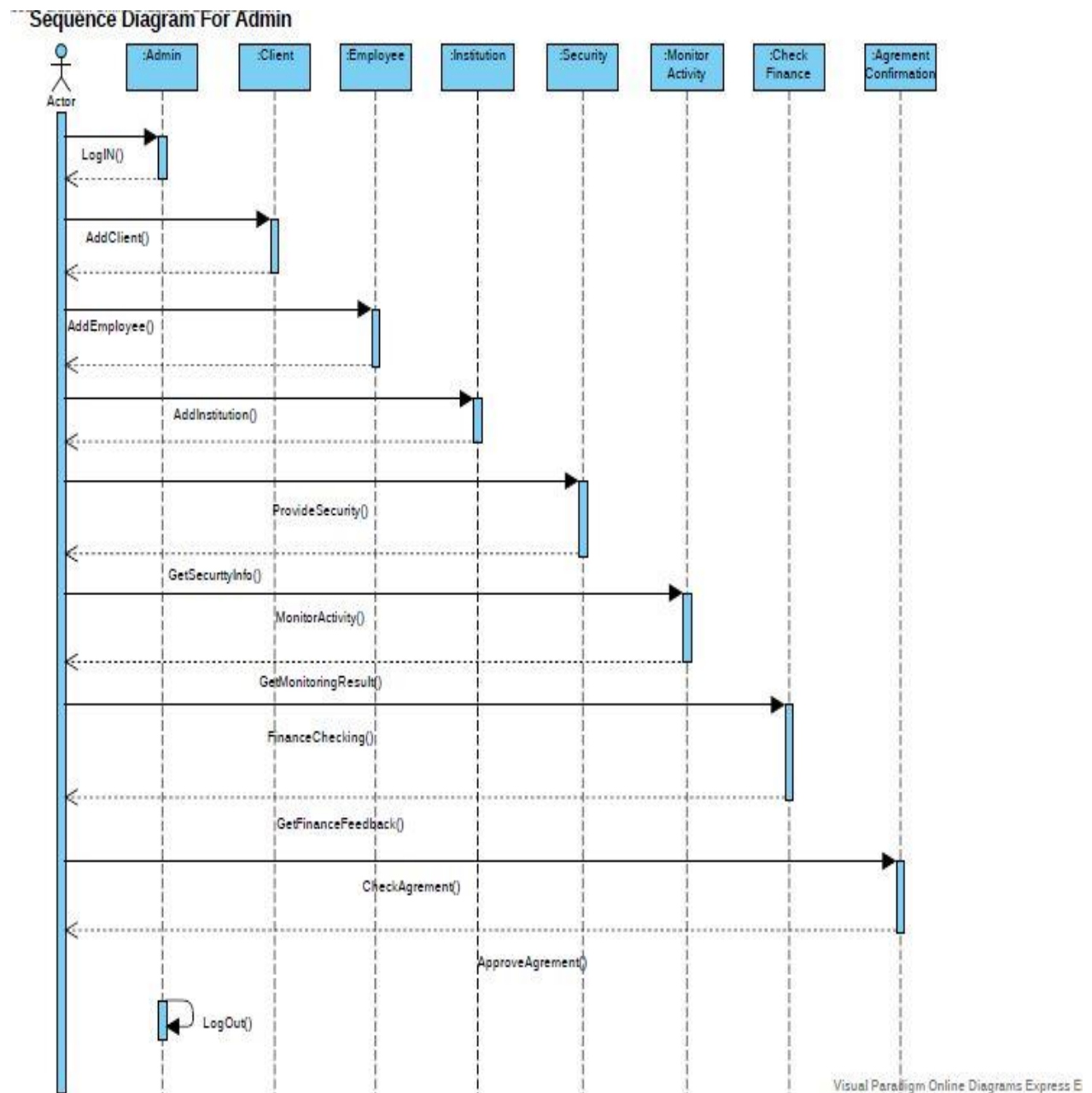


Figure 11.0: Sequence diagram for Admin

### 7.3 Sequence Diagram for Employee

Sequence Diagram Form Employee

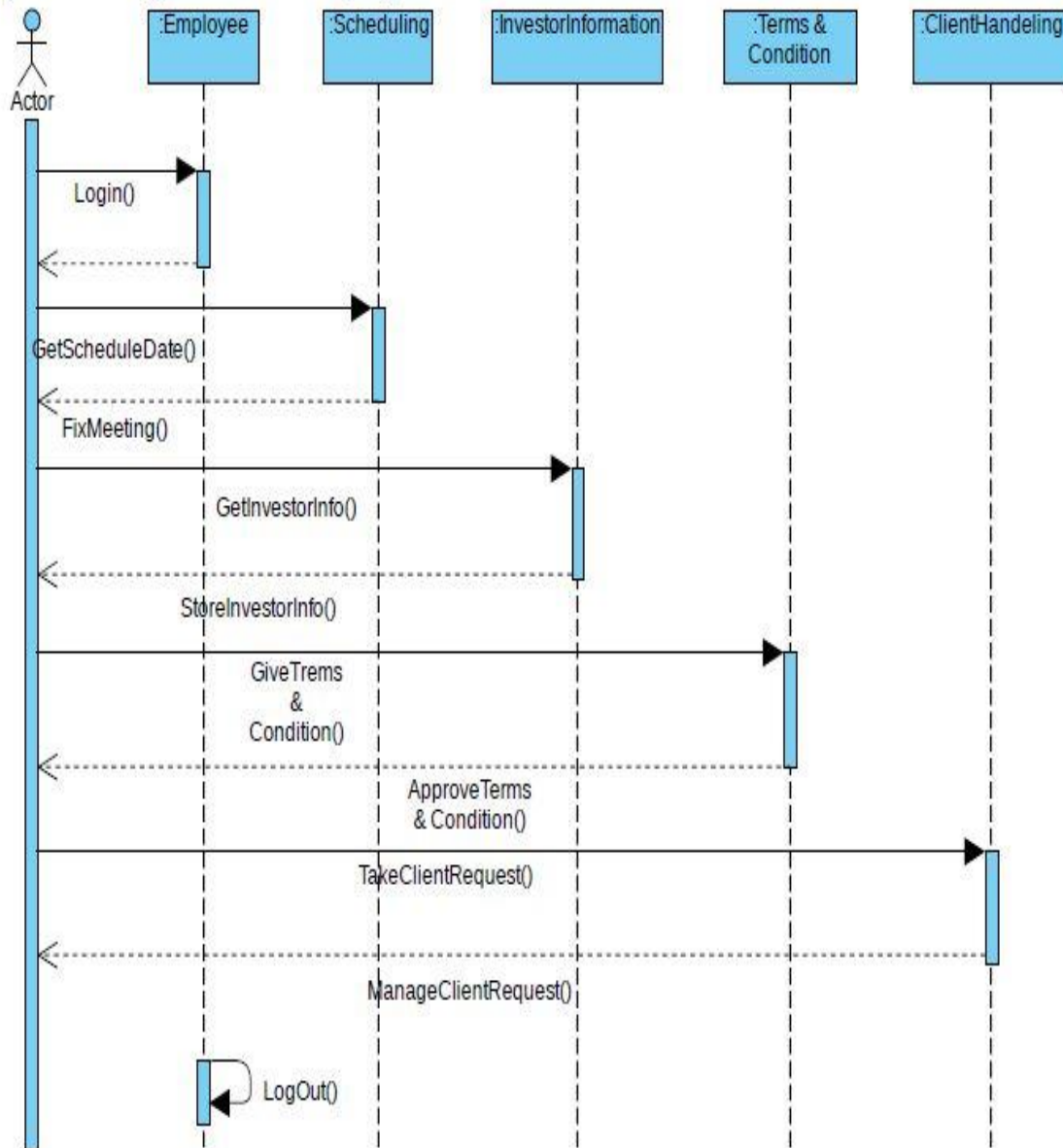


Figure 12.0: Sequence diagram for Employee

## **Chapter 8**

# **ER Diagram**

## 8.1 ER Diagram

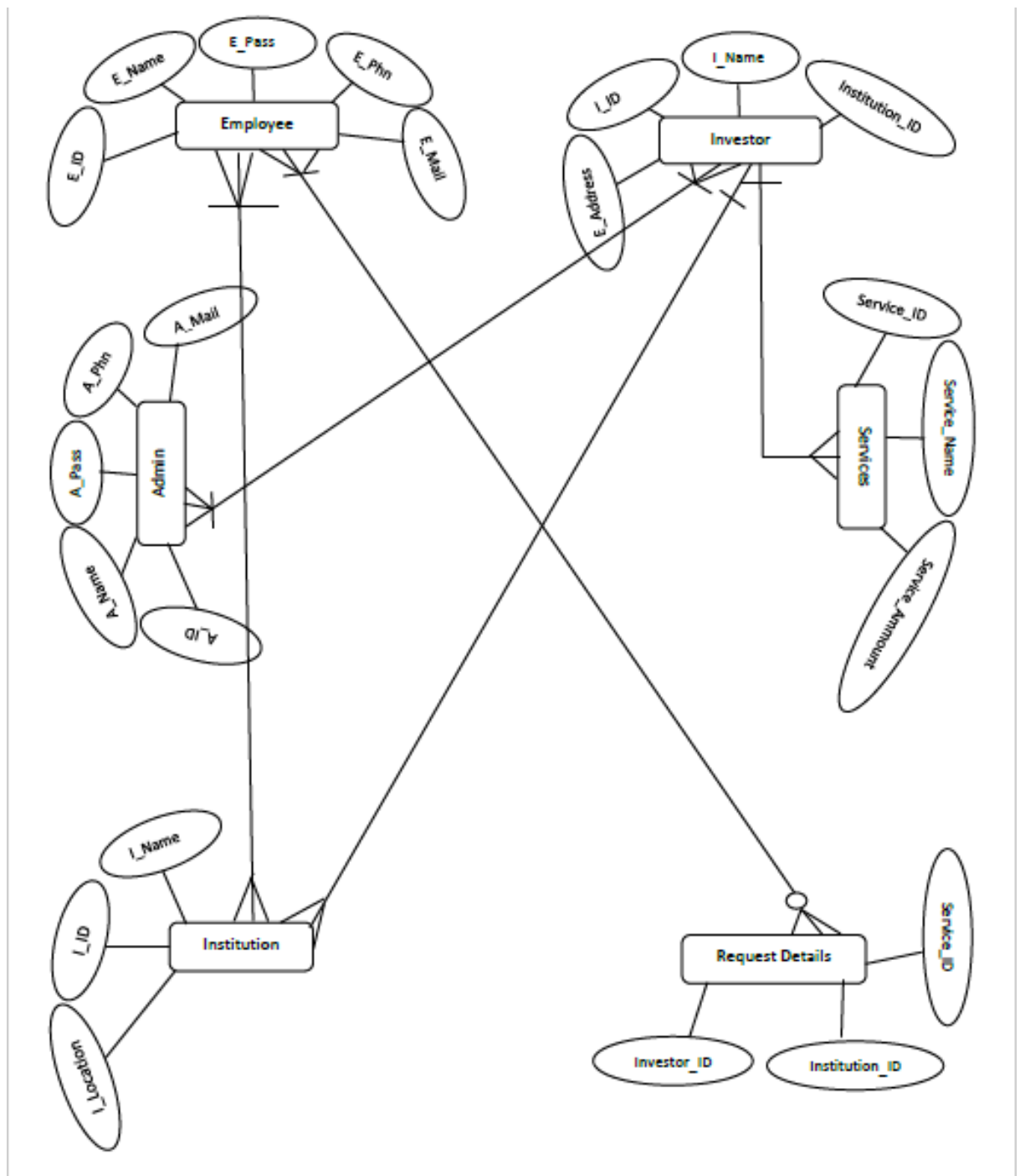


Figure 13.0: Class Diagram

## **Chapter 9**

# **Trello Board**

## 9.1 Trello Board

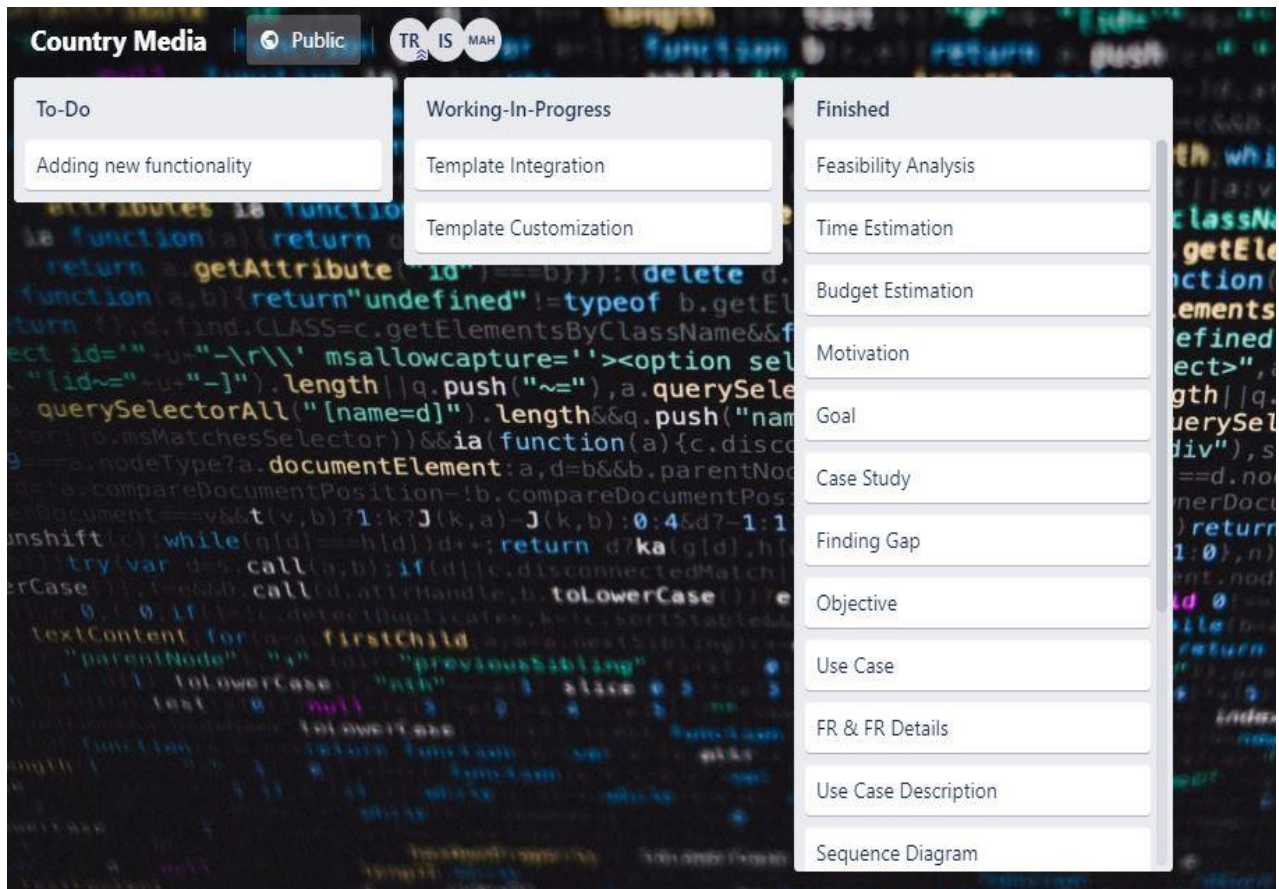


Figure 14.0: Trello board



## **Chapter 10**

# **Reference**

## 10.1 Reference

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