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Design and Development of a Website for Finding Tutor

(Bangladesh Perspective)

By

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(151-35-1032)

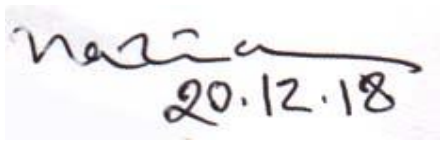
A project submitted in partial fulfillment of the requirement for the degree of
Bachelor of Science in Software Engineering

Department of Software Engineering
DAFFODIL INTERNATIONAL UNIVERSITY

Declaration

I hereby declare that this project report has been done by us under the supervision of Nazia Nishat, Senior Lecturer, Department of Software Engineering, Daffodil International University. I also declare that neither this report nor any part of this report has been submitted elsewhere for the award of any degree.

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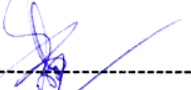

Faculty of Science and Information Technology

Daffodil International University

Approval

This project titled “**Design and Development of a Website for Finding Tutor (Bangladesh Perspective)**”, submitted by **Zannatul Ferdous Onix, ID: 151-35-1032** to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Software Engineering and approved as to its style and contents.

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CHAPTER 1
INTRODUCTION

1. INTRODUCTION

1.1. Project Overview

In our country we face problems to find tutors and tuitions. People use posters to find tutors. There is no doubt that in this system a lot of posters are needed to find tuitions and tutors. This kind of advertising using posters is very much time consuming and costly for people. Now people can search tuitions and tutors online. Find Tutor is a process of organizing the searching information easily. It provides the scope for user such as searching tutor and tuitions from the site.

1.2. The Purpose of the Project

Find Tutor is very helpful for the people to find tuitions and tutor so easily. Here, parent and tutor can also search their information from the site easily.

1.2.1. Background of the Project Effort

There is a common problem most of the people in Bangladesh to finding Tutor and tuitions. People use posters to finding tutor. It is very much time consuming and costly for people. The majority of our people finding tutor at Dhaka city. There have some website in our country [1] home tutor bd, [2] Bd tutors etc. I want to developed a website find tutor and add some new features in future .Tutor attach their national id card number and picture for security. Also attach their varsity id card or job id card in circular.

1.2.2. Goals of the Project

Find tutor System will be used to searching tuitions and tutors information. Admin will use it to maintain the system and they will access all the function in this system. Find Tutor will provide different facilities to a tutors, parents. It is too fast and safe process. Tutors are search for tuitions and manage their account. Parents are search for tutors and manage their account. Using this system people easily find student and tutor .It also save time and cost. All this data is logged in the database.

1.4. Beneficiaries and Benefits

This projects are mainly beneficiaries for admin and users. Benefits are,

- This Find Tutor is fully functional and flexible.
- It is very easy to use.
- It saves a lot of time, money.
- User can easily search information.
- Admin keep the users record
- Parent can find the Tutor from the site and tutor can find the Tutor from the site.

CHAPTER 2
PROJECT PLANNING

2. PROJECT PLANNING

2.1. Project Scenario

The system will have only 3 type of user. They are tutor, parent and admin. Parent will create an account and view his/her personal information. They will edit, delete their all information and also publish their circular for tutor. They will reset their password and update all information. Tutor will create an account and view his/her personal information. They will edit, delete their all information and also publish their circular for tuitions. They will reset their password and update all information. All types user will search for tutors and tuitions. If customer completes registration, then user can complete login process and the can publish their circular which they want. Admin can login admin home page and they delete user account and also delete their circular.

2.1.1 Scenario 1:- User (Admin) Based

simi is one of the systems operating admin of Find tutor. She can manage the system.

- She login to the system.
- She can see the tutor and tutor account information.
- She can see the circular comes from the users.
- She can delete parents and tutors circular and also delete their account.
- Then she can log out from the system.

2.1.2 Scenario 2:- User (Parent) Based

Tnajila is a parent who wants to find tutor for his child from Find Tutor. That's why she decided to visit this site.

- Tanjila registered in the system.
- She login to the system.
- She can see tutor circular and search by her needs.
- She can edit her profile, reset password, publish her circular for find tutor and she can edit and delete her circular.
- Then she can log out from the system.

2.1.3 Scenario 3:- User (Tutor) Based

Queen is a tutor who wants to find tuition for his child from Find Tutor. That's why she decided to visit this site.

- Queen registered in the system.
- She login to the system.
- She can see tuition circular and search by her needs.
- She can edit her profile, reset password, publish her circular for find tutor and she can edit and delete her circular.
- Then she can log out from the system.

2.2. Stakeholders

2.2.1. The Admin

- Delete circular
- Delete account
- View user circular
- View user account information

2.2.2 The parent

- View and Search tutor information
- Edit account, reset password
- Add, delete, edit circular for tutor.

2.2.3 The Tutor

- View and Search parent information
- Edit account, reset password
- Add, delete, edit circular for tuitions

2.3. Mandated Constraints

2.3.1. Budget Constraints

Primary budget – 15k

Yearly maintenance cost – 20k

Total estimated cost – 35k

2.4. Project Schedule

2.4.1. Gantt Chart

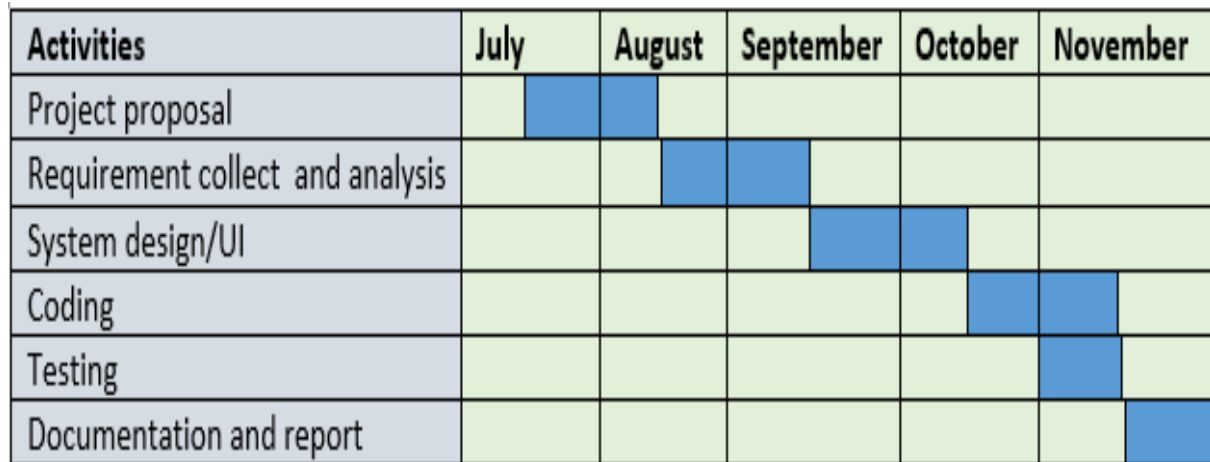


Fig-2.01: Gantt chart

2.4.2. Release Plan/Milestone

Table-2.1: Release Plan/Milestone

Task No	Task Name	Time
1	Requirements gathering and analysis	2 week
2	Project proposal	1 week
3	Database design	1 week
4	UI design	1 week
5	Implementing	2 week
6	Testing	2week
7	Evaluating the project	1week

CHAPTER 3
REQUIREMENTS SPECIFICATIONS

3. Requirements Specifications

3.1. Functionalities

Table-3.1: Functionalities

FRQ_ID	FRQ_Name	Description	Priority
FRQ-001	Registration	The module will provide the reports of the registered users	Medium
FRQ-002	Login(admin)	The module will provide the reports of the logged in users	High
FRQ-003	Login(user)	The module will provide the reports of the logged in users	High
FRQ-004	Search Tutor	The module will provide the reports of the searching tutors	Medium
FRQ-005	Search Tuition	The module will provide the reports of the searching tuitions	Medium
FRQ-006	Add Circular (user)	The module will provide the reports of user add circular	High
FRQ-007	Modify Circular(user)	The module will provide the reports of modify circular	Medium
FRQ-008	Delete Circular(admin)	The module will provide the reports of delete circular	Medium
FRQ-009	Delete User account (admin)	The module will provide the reports of admin delete user account	Medium
FRQ-010	Manage account (user)	The module will provide the reports of manage account	Medium
FRQ-011	Reset password	The module will provide the reports of user reset password	Medium

3.1.1. Registration (FRQ001)

Feature:

The module will provide the reports of the registered users. Adds new user.

Report:

The module will provide the reports of the registered users. Adds new user.

3.1.2. Login - Admin (FRQ002)

Feature:

This system will be able to give permission to access the admin panel to the admin.

Admin can access admin panel in the system.

Report:

The module will provide the reports of all the logged in admin.

3.1.3. Login - user (FRQ003)

Feature:

This system will be able to give permission to access the website to the registered users.
Prevent unregistered users to access the system.

Report:

The module will provide the reports of all the logged in users.

3.1.4. Search Tutor (FRQ004)

Feature:

The module will be available for all users.

Report:

The module will provide the report for the searching tutor details of the system.

3.1.5. Search Tuition (FRQ005)

Feature:

The module will be available for all users.

Report:

The module will provide the report for the searching tuitions details of the system.

3.1.6. Add Circular (user) (FRQ006)

Features:

This module will be added by user.

Report:

The module will provide the report of add their circular.

3.1.7. Modify Circular (user) (FRQ007)

Features:

This module will be updated by user.

Report:

The module will provide the report of updated their own circular.

3.1.8. Delete Circular (admin) (FRQ008)

Feature:

This module will be updated by admin.

Report:

The module will provide the report for delete user circular.

3.1.9. Delete User account (admin) (FRQ009)

Feature:

This module will be updated by admin.

Report:

The module will provide the report for delete user account.

3.1.10. Manage account (user) (FRQ010)

Feature:

This module will be updated by user.

Report:

The module will provide the report for update their profile.

3.1.11. Reset password: user, admin(FRQ011)

Feature:

The module will be available for the reset password users and admin.

Report:

The module will provide the report for the reset password.

3.1.12. Logout: Admin Logout, user Logout

Feature:

This software will be able to close the connection between user and system. All users can't access the system any further when they are logged out.

Report:

The module will provide the report for the logged in and logged out users in the system. Give information to the system that users don't have any permission to access the system now. Just they can view the site.

3.2 Data Requirements

Table-3.2: Data Requirements

No	Description
01	Admin have to insert the login credentials accurately otherwise system will show an error with message.
02	App users have to insert the registration credentials accurately otherwise the app will show an error with message.
03	App users have to insert the login credentials accurately otherwise the app will show an error with message.

3.3 Performance Requirements

It's very important to maintain the performance of the project. To ensure a good performance, this project have to meet some requirements which will ensure a good performance.

3.3.1 Speed and Latency Requirements

Table-3.3: Speed and Latency Requirements

No	Description
01	The system should load the data from server in maximum 2 second.
02	The system should upload the data to the server in maximum 1 second.
03	The system must have a high speed of manipulation data and reply to the user request.

3.3.2 Precision or Accuracy Requirements

Table-3.4: Precision or Accuracy Requirements

No	Description
01	The input data should be validate when User or admin provide data to the system
02	All data should be in place accurately where it is associated

3.3.3 Capacity Requirements

Table-3.5: Capacity Requirements

No	Description
01	The system will manage all the inserting data in database.
02	The server database size must be able to load the system data.

3.4 Dependability Requirements

3.4.1 Reliability Requirements

Table-3.6: Reliability Requirements

No	Description
01	The Message must be depend on the insertion of new data in the server

3.4.2 Availability Requirements

Table-3.7: Availability Requirements

No	Description
01	The system should work 24 hours a day
02	The system must be updated regularly

3.4.3 Robustness or Fault-Tolerance Requirements

Table-3.8: Robustness or Fault Tolerance Requirements

No	Description
01	If the system has been crashed, it should not be more than an hour.

3.4.4 Safety-Critical Requirements

No visible safety-Critical requirements

3.5 Maintainability and Supportability Requirements

3.5.1 Maintenance Requirements

Table-3.9: Maintenance Requirements

No	Description
01	The system maintenance should be quick
02	System helps to update the accounts information and member info at any time.

3.5.2 Supportability Requirements

Table-3.10: Supportability Requirements

No	Description
01	The system maintenance should be quick
02	System helps to update the accounts information and member info at any time.

3.5.3 Adaptability Requirements

No visible adaptability requirements

3.5.4 Scalability or Extensibility Requirements

No visible adaptability requirements

3.6 Security Requirements

3.6.1 Access Requirements

Table-3.11: Access Requirements

No	Description
01	To get access to the system, the system provides authorization/authentication way.

3.6.2 Integrity Requirements

To protect credentials of user from being stolen, all passwords are stored in encrypted form. The Requirements significantly reduces the value of stolen user credentials, it's not easy to decrypt the password.

3.6.3 Privacy Requirements

Table-3.12: Privacy Requirements

No	Description
01	All private data will be protected

3.7 Look and Feel Requirements

3.7.1 Appearance Requirements

Table-3.13: Appearance Requirements

No	Description
01	The user interface must be attractive
02	The user interface must be user friendly
03	The user interface must be user interactive

3.7.2 Style Requirements

Table-3.14: Style Requirements

No	Description
01	The styling of the elements of the web based user interface will be defined using CSS, JavaScript and bootstrap

CHAPTER 4
SYSTEM ANALYSIS & DESIGN

4. SYSTEM ANALYSIS AND DESIGN

4.1. Use Case [3]

A use case diagram is a graphic depiction of the interactions among the elements of a system. A use case is a methodology used in system analysis to identify, clarify and organize system requirements.

4.1.1. Use Case diagram

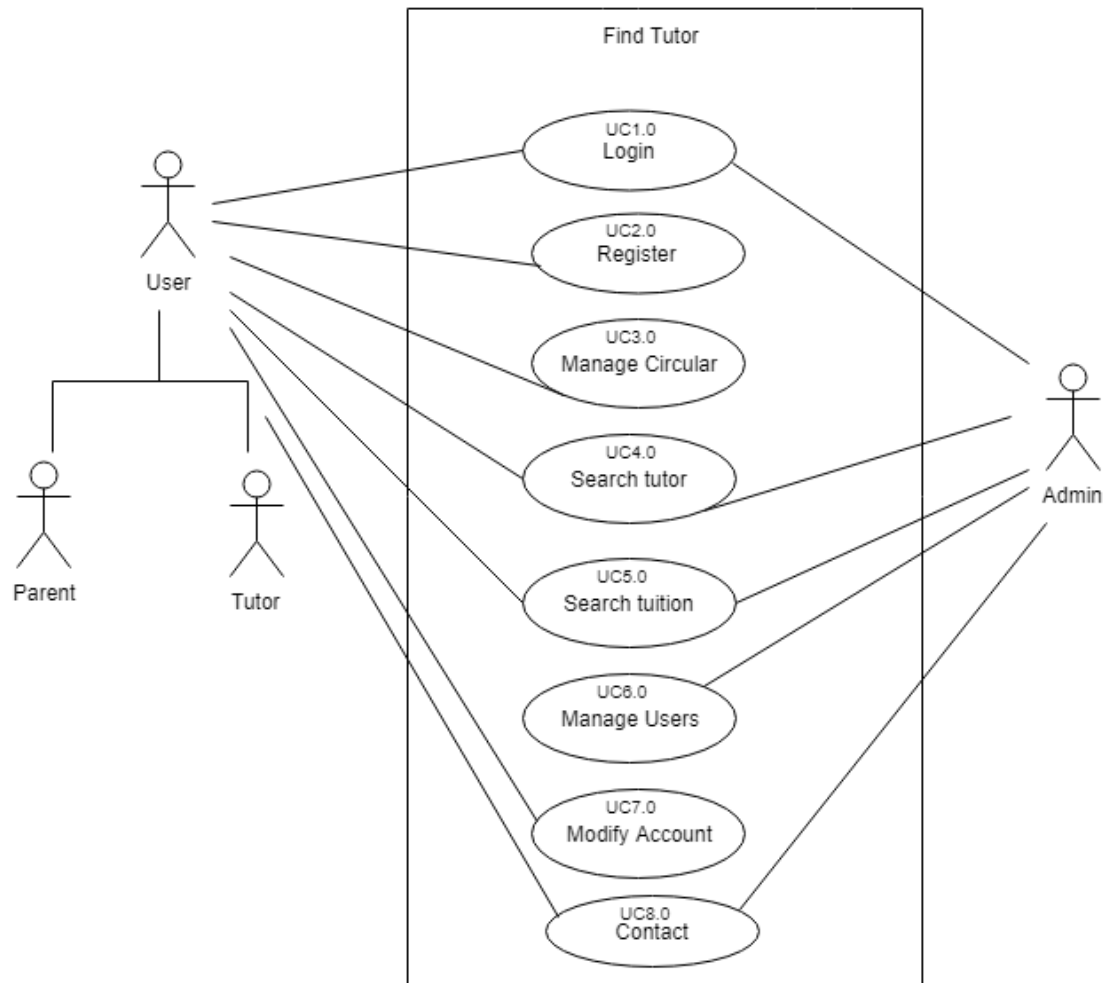


Fig-4.01: Use Case Diagram of Find Tutor

4.1.1.1 Login

Table 4.1: Login

Use case no	UC1.0	
Use case name	Login	
scenario	All user are need to login this web site	
Brief description	Users can enter the system and use their account	
Actors	Tutor Parent Admin	
preconditions	Registration for Tutor and parent, user must be exist	
Post conditions	Enter the system	
Flow of event	ACTOR	SYSTEM
	1.Enter username and password 2.Press login button	1.1 check validation if field are empty
Exception conditions	2.1 If username and password is not exist the show wrong username and password	

4.1.1.2 Register

Table 4.2: Register

Use case no	UC2.0	
Use case name	Register	
scenario	Create a user (Parent, Tutor)	
Brief description	Parent and tutor give their information in this web site. Full Name,Gender,Division,District,Mobile number, Contract information etc.	
Actors	Parent Tutor	
preconditions	Click registration form and user must be exist	
Post conditions	System will show success message when all data should be saved in database.	
Flow of event	Actor	System
	1.click to open registration form 2.provide information 3.submit register button and complete registration	2.1.check information validity 3.1.show registration success message and store data in database
Exception conditions	2.1 If validation is not right then it will show message	

4.1.1.3 Manage Circular

Table 4.3: Manage Circular

use case no	UC3.0	
Use case name	Manage Circular	
scenario	Manage tutor and parent circular	
Brief description	Tutor and parent must register and logged in this system. Parent add, view, delete and update circular for tutors. Tutor add, view, delete and update circular for tuitions.	
Actors	Tutor Parent	
preconditions	User must be complete registration and login, user must be exist	
Post conditions	Publish circular, Must be have an account	
Flow of event	ACTOR 1. Provide circular information 2. Submit add button and complete add circular 3.user view their circular 4. click delete button and complete delete their circular 5. click Update button and complete update their circular	SYSTEM 1.1 check information validity 2.1 system show registration success message and store data in database 3.1 show circular from database 4.1 system delete circular and show successfully deleted message 5.1 system update circular and show successfully update message
Exception conditions	2.1 If circular is not submitted then it will show error message 4.1 If circular is not deleted then it will show error message 5.1 If circular is not updated then it will show error message	

4.1.1.4 Search Tutor

Table 4.4: Search Tutor

Use case no	UC4.0	
Use case name	Search Tutor	
scenario	All user can search Tutor this web site	
Brief description	Users can searching tutor by Area name, Institute and Education level in the system.	
Actors	Tutor Parent Admin	
preconditions	Click search tutor form, user must be exist	
Post conditions	The information that the user will search with will be displayed	
Flow of event	ACTOR 1.Select Area Name and click search button 2. Select Institute and click search button 3. Select Education level and click search button	SYSTEM 1.1 show information which area search by user 2.1 show information which institute search by user 3.1 show information which Education level search by user
Exception conditions	1 .1 If selected area not exist then do not show any information 2.1 If selected institute not exist then do not show any information 3.1 If selected Education level not exist then do not show any information	

4.1.1.5 Search Tuition

Table 4.5: Search Tuition

Use case no	UC5.0								
Use case name	Search Tuition								
scenario	All user can search Tuition this web site								
Brief description	Users can searching tuition by Area name, subject and salary in the system.								
Actors	Tutor Parent Admin								
preconditions	Click search tuition form, user must be exist								
Post conditions	The information that the user will search with will be displayed								
Flow of event	<table border="1"> <thead> <tr> <th>ACTOR</th> <th>SYSTEM</th> </tr> </thead> <tbody> <tr> <td>1.Select Area Name and click search button</td> <td>1.1show information which area search by user</td> </tr> <tr> <td>2. Select subject and click search button</td> <td>2.1 show information which subject search by user</td> </tr> <tr> <td>3. Select salary and click search button</td> <td>3.1 show information which salary search by user</td> </tr> </tbody> </table>	ACTOR	SYSTEM	1.Select Area Name and click search button	1.1show information which area search by user	2. Select subject and click search button	2.1 show information which subject search by user	3. Select salary and click search button	3.1 show information which salary search by user
ACTOR	SYSTEM								
1.Select Area Name and click search button	1.1show information which area search by user								
2. Select subject and click search button	2.1 show information which subject search by user								
3. Select salary and click search button	3.1 show information which salary search by user								
Exception conditions	1 .1 If selected area not exist then do not show any information 2.1 If selected subject not exist then do not show any information 3.1 If selected salary not exist then do not show any information								

4.1.1.6 Manage User

Table 4.6: Manage User

Use case no	UC6.0												
Use case name	Manage User												
scenario	Admin need to login in admin panel												
Brief description	Admin must be login and he can delete user account information, Tutor and parent circular.Admin can also reset his password.												
Actors	Admin												
preconditions	Admin must be login, user must be exist												
Post conditions	Delete user account ,user circular and reset own password												
Flow of event	<table border="1"> <thead> <tr> <th>ACTOR</th> <th>SYSTEM</th> </tr> </thead> <tbody> <tr> <td>1. Show parent circular</td> <td>1.1 System display parent circular</td> </tr> <tr> <td>2. click delete button and complete delete user circular</td> <td>2.1 system delete circular and show successfully deleted message</td> </tr> <tr> <td>3. view user account information</td> <td>3.1 show user account from database</td> </tr> <tr> <td>4. click delete button and complete delete user account</td> <td>4.1 system delete user account and show successfully deleted message</td> </tr> <tr> <td>5. admin reset password</td> <td>5.1 system update password in database</td> </tr> </tbody> </table>	ACTOR	SYSTEM	1. Show parent circular	1.1 System display parent circular	2. click delete button and complete delete user circular	2.1 system delete circular and show successfully deleted message	3. view user account information	3.1 show user account from database	4. click delete button and complete delete user account	4.1 system delete user account and show successfully deleted message	5. admin reset password	5.1 system update password in database
ACTOR	SYSTEM												
1. Show parent circular	1.1 System display parent circular												
2. click delete button and complete delete user circular	2.1 system delete circular and show successfully deleted message												
3. view user account information	3.1 show user account from database												
4. click delete button and complete delete user account	4.1 system delete user account and show successfully deleted message												
5. admin reset password	5.1 system update password in database												
Exception conditions	2.1 If circular is not deleted then it will show error message 4.1 If user account is not deleted then it will show error message 5.1 check validation for reset password												

4.1.1.7 Modify Account

Table 4.7: Modify Account

Use case no	UC7.0
Use case	Modify Account

name					
scenario	Manage parent and Tutor account				
Brief description	Tutor and parent must register and logged in this web site. Parent and tutor reset their password, view account and update their profile information.				
Actors	Parent Tutor				
preconditions	Registration, login, user must be exist				
Post conditions	Publish circular ,apply for tuitions Must be active account				
Flow of event	<table border="1"> <thead> <tr> <th>ACTOR</th> <th>SYSTEM</th> </tr> </thead> <tbody> <tr> <td>1.show user information 2.user reset password 3.user click update button and complete their information</td> <td>1.1 system display user information 2.1 system update password in database 3.1 system update information and show successfully update message</td> </tr> </tbody> </table>	ACTOR	SYSTEM	1.show user information 2.user reset password 3.user click update button and complete their information	1.1 system display user information 2.1 system update password in database 3.1 system update information and show successfully update message
ACTOR	SYSTEM				
1.show user information 2.user reset password 3.user click update button and complete their information	1.1 system display user information 2.1 system update password in database 3.1 system update information and show successfully update message				
Exception conditions	1.1 check validation for reset password 3.1 If information is not updated then it will show error message				

4.1.1.8 Contact

Table 4.8: Contact

Use case no	UC8.0				
Use case name	Contact				
scenario	All user contact with admin in this web site				
Brief description	User can send message to admin and admin view message and delete this message.				
Actors	Parent Tutor Admin				
preconditions	user must be exist				
Post conditions	User send Message and admin be active account				
Flow of event	<table border="1"> <thead> <tr> <th>ACTOR</th> <th>SYSTEM</th> </tr> </thead> <tbody> <tr> <td>1.Admin show user message 2.Admin click delete button and complete delete user message 3.User send message</td> <td>1.2System display user message 2.1 System delete contact message and show successfully deleted message 3.1 System show success message and store data in database</td> </tr> </tbody> </table>	ACTOR	SYSTEM	1.Admin show user message 2.Admin click delete button and complete delete user message 3.User send message	1.2System display user message 2.1 System delete contact message and show successfully deleted message 3.1 System show success message and store data in database
ACTOR	SYSTEM				
1.Admin show user message 2.Admin click delete button and complete delete user message 3.User send message	1.2System display user message 2.1 System delete contact message and show successfully deleted message 3.1 System show success message and store data in database				
Exception conditions	2.1 If contact message is not deleted then it will show error message 3.1 If contact message is not submitted then it will show error message				

4.1.2. Use case: Admin

A use case defines the interactions between external actors and the system under consideration to accomplish a goal. Actors must be able to make decisions, but need not be human: An actor might be a person, a company or organization, a computer program, or a

computer system—hardware, software, or both. Actors are always stakeholders, but not all stakeholders are actors, since they never interact directly with the system, even though they have the right to care how the system behaves. For example, the User of the system

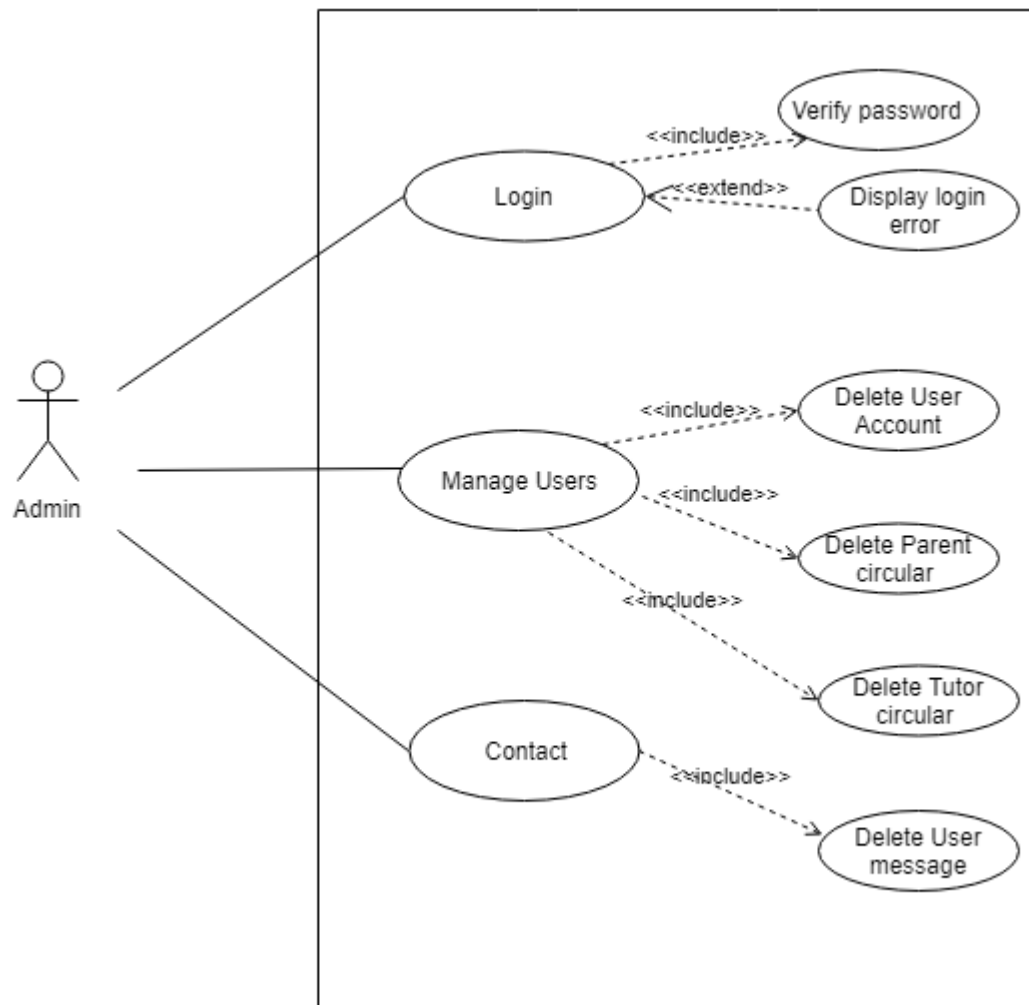


Fig-4.02: Actor Perspective Use Case Admin

4.1.3. Use case: parent

A use case defines the interactions between external actors and the system under consideration to accomplish a goal. Actors must be able to make decisions, but need not be human: An actor might be a person, a company or organization, a computer program, or a

computer system—hardware, software, or both. Actors are always stakeholders, but not all stakeholders are actors, since they never interact directly with the system, even though they have the right to care how the system behaves. For example, the User of the system.

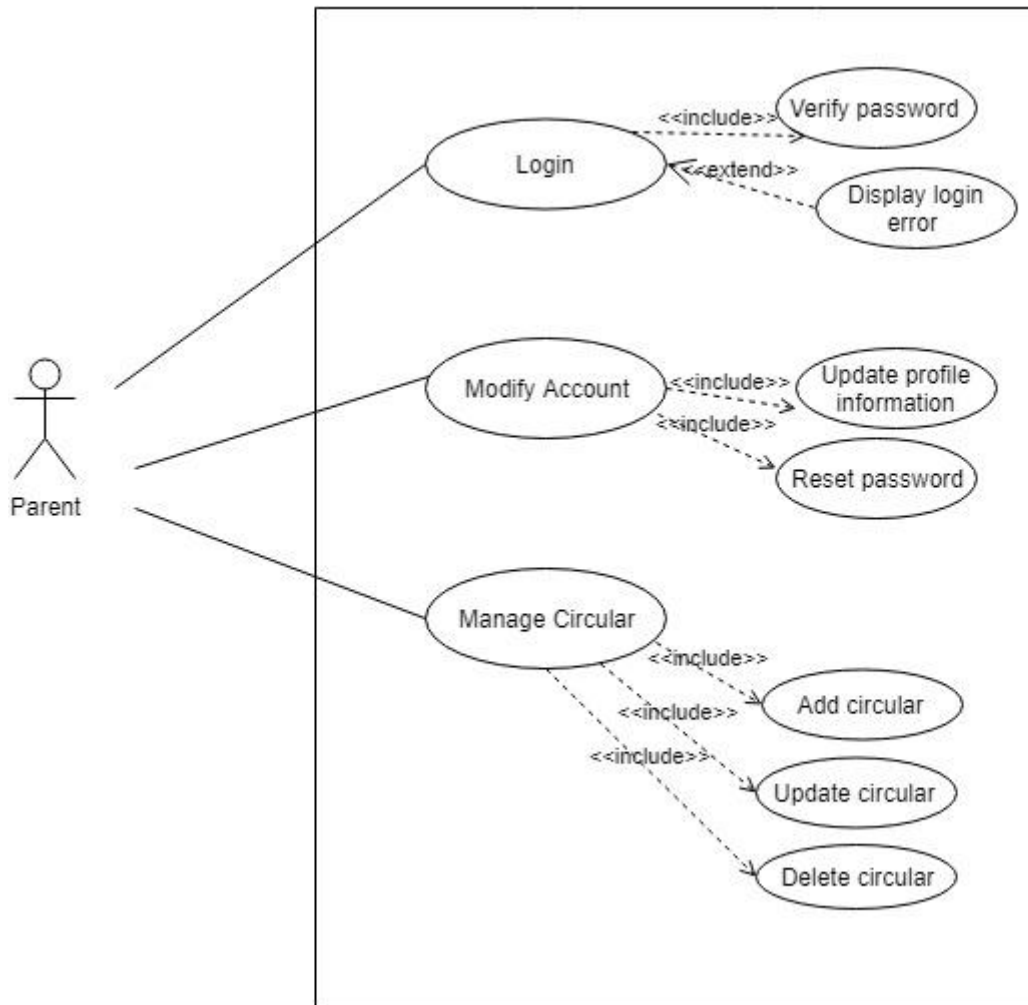


Fig-4.03: Actor Perspective Use Case Parent

4.1.4. Use case: Tutor

A use case defines the interactions between external actors and the system under consideration to accomplish a goal. Actors must be able to make decisions, but need not be human: An actor might be a person, a company or organization, a computer program, or a

computer system—hardware, software, or both. Actors are always stakeholders, but not all stakeholders are actors, since they never interact directly with the system, even though they have the right to care how the system behaves. For example, the User of the system.

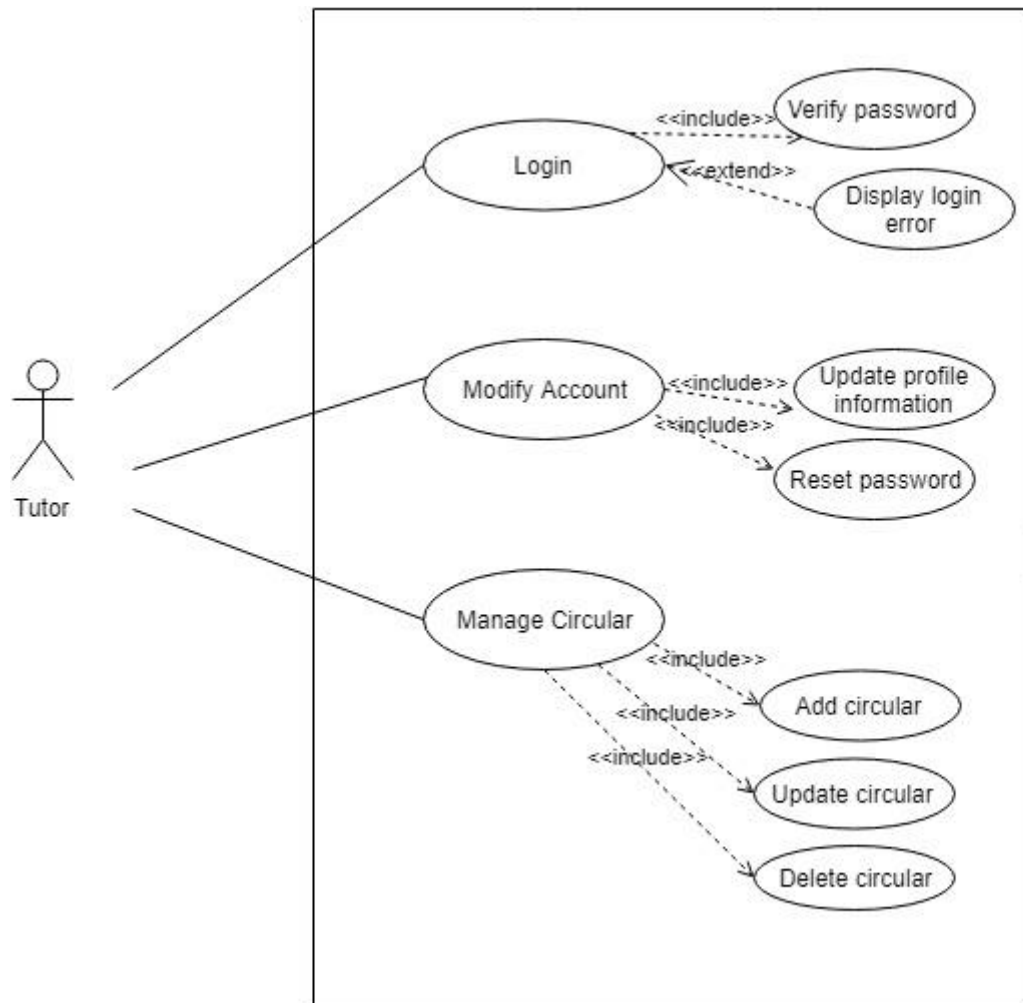


Fig-4.04: Actor Perspective Use Case Tutor

4.2. Activity Diagram

Activity diagram is another important diagram in UML to describe the dynamic aspects of the system. Activity diagram is basically a flowchart to represent the flow from one activity to another activity. The activity can be described as an operation of the system.

4.2.1. Admin Perspective Activities

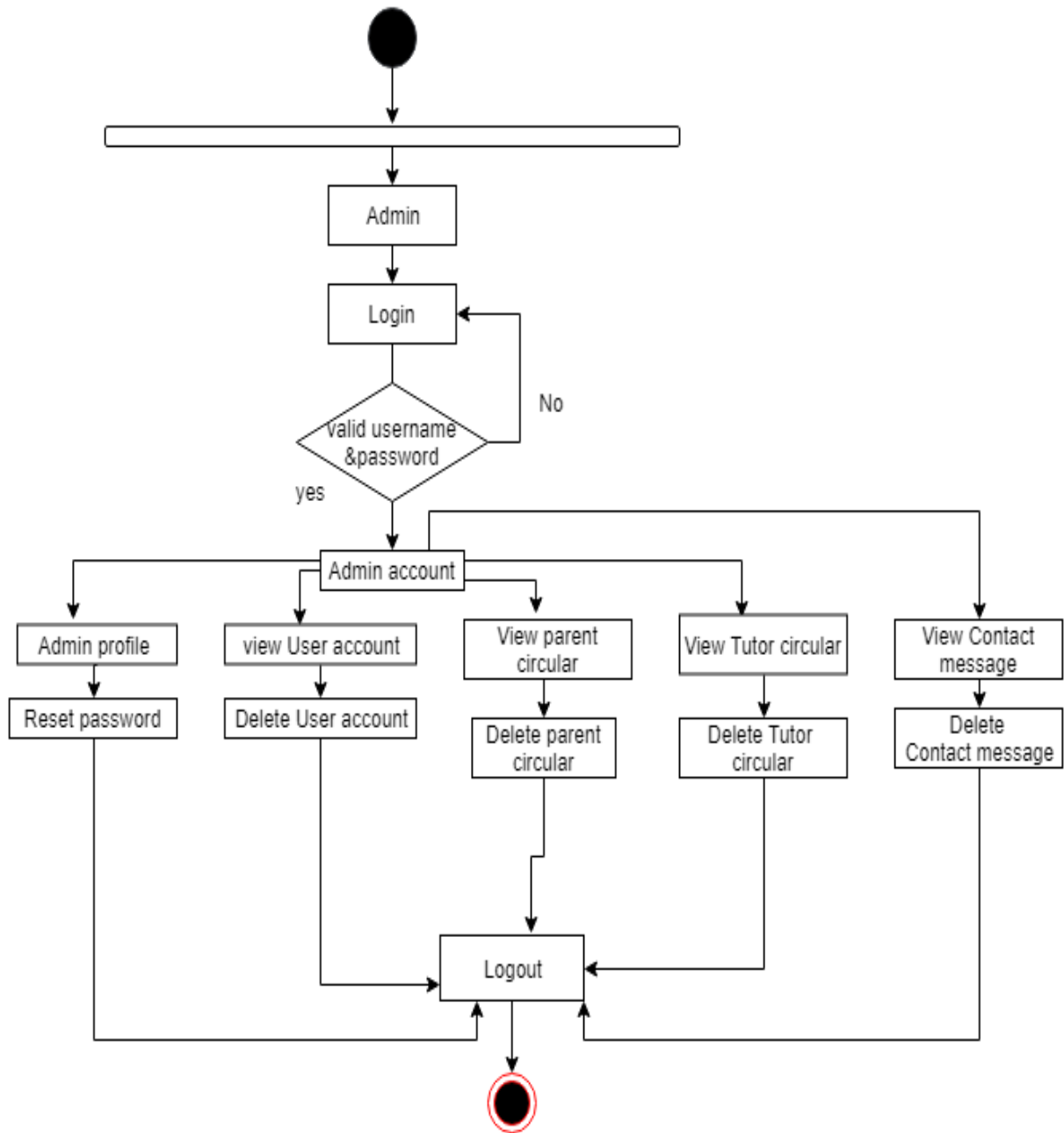


Fig-4.05: Actor Perspective Activity Diagram Admin

4.2.2. Parent Perspective Activities

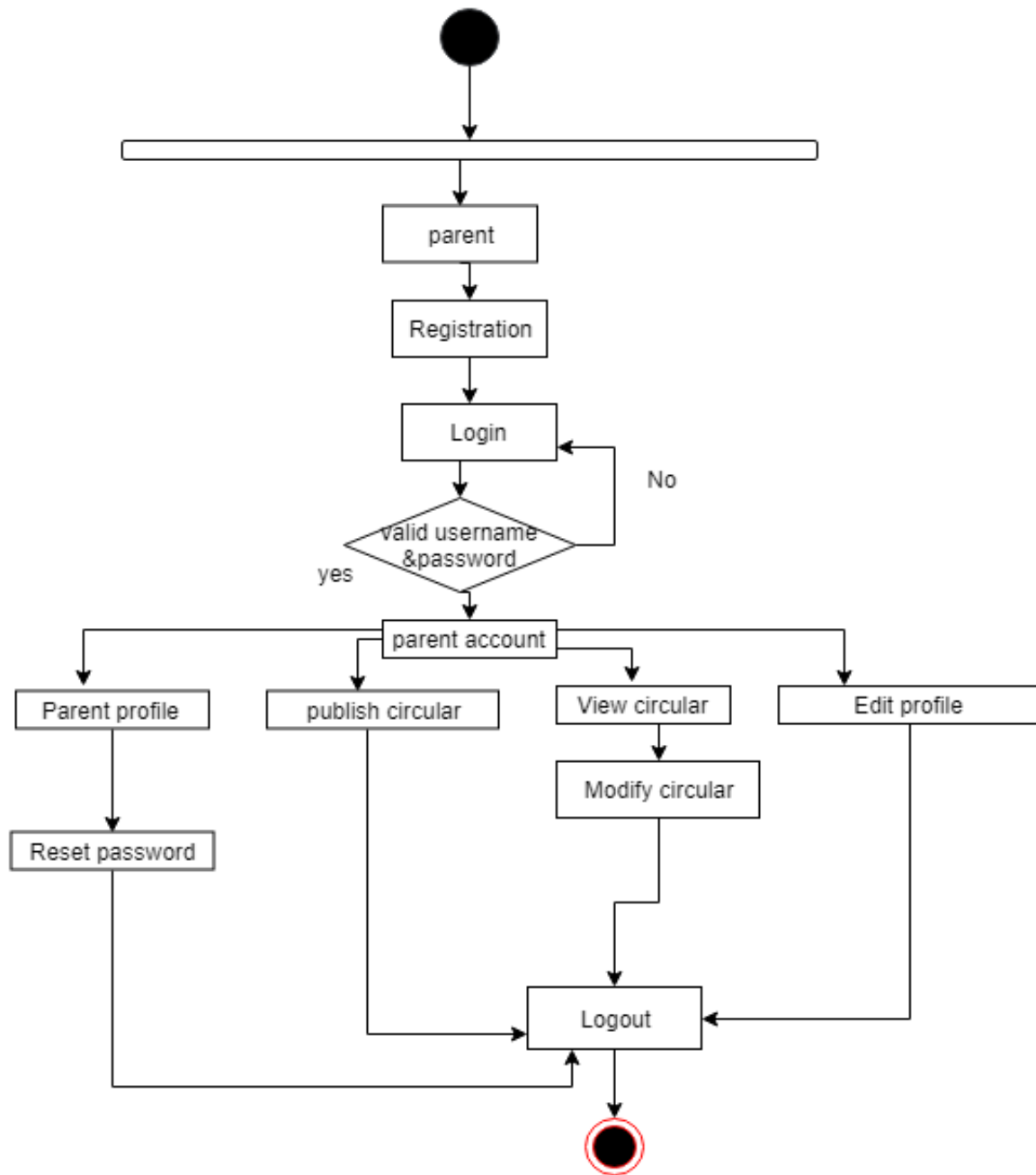


Fig-4.06: Actor Perspective Activity Diagram Parent

4.2.3. Tutor Perspective Activities

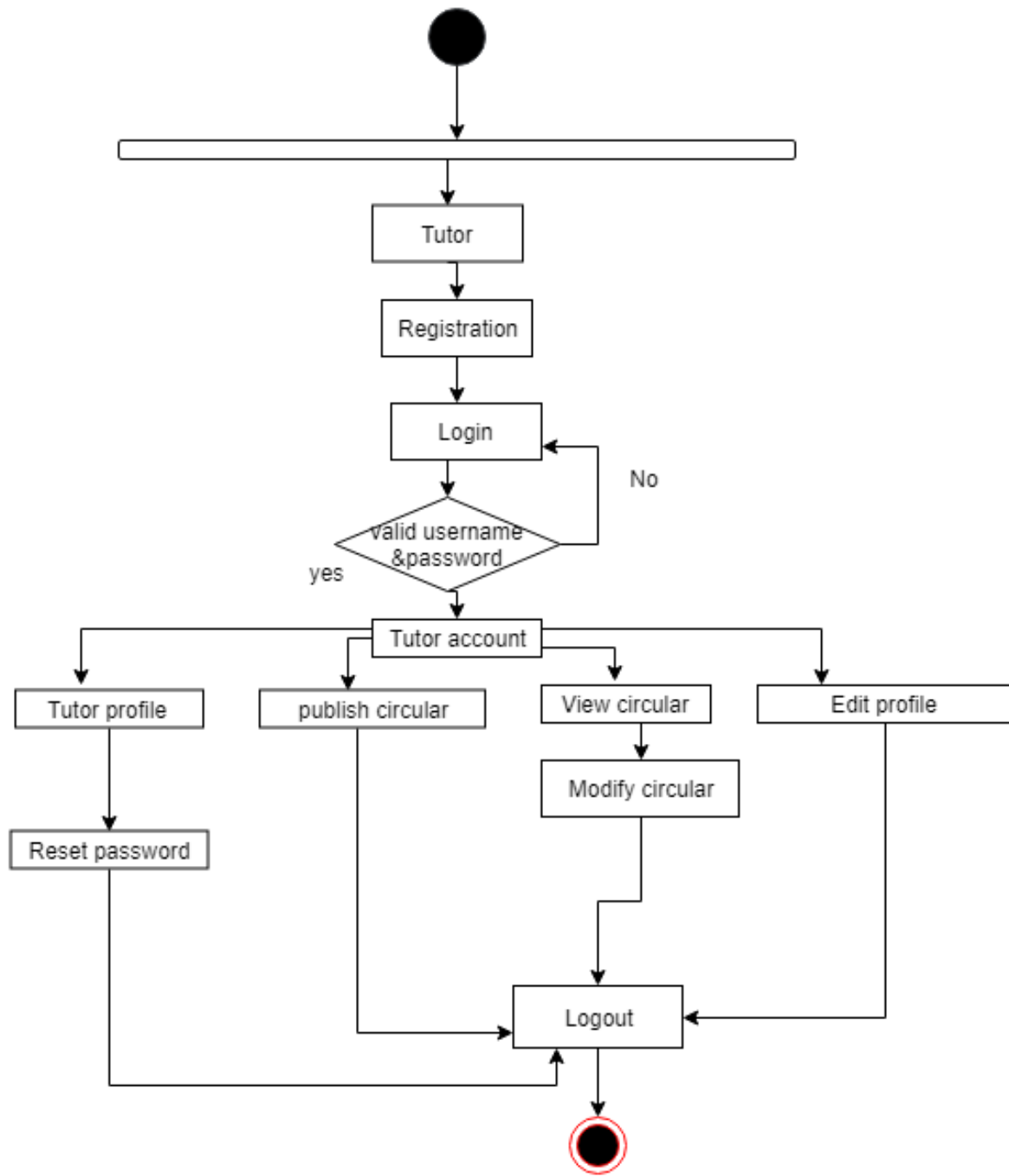


Fig-4.07: Actor Perspective Activity Diagram Tutor

4.2.4. All User Perspective Activities

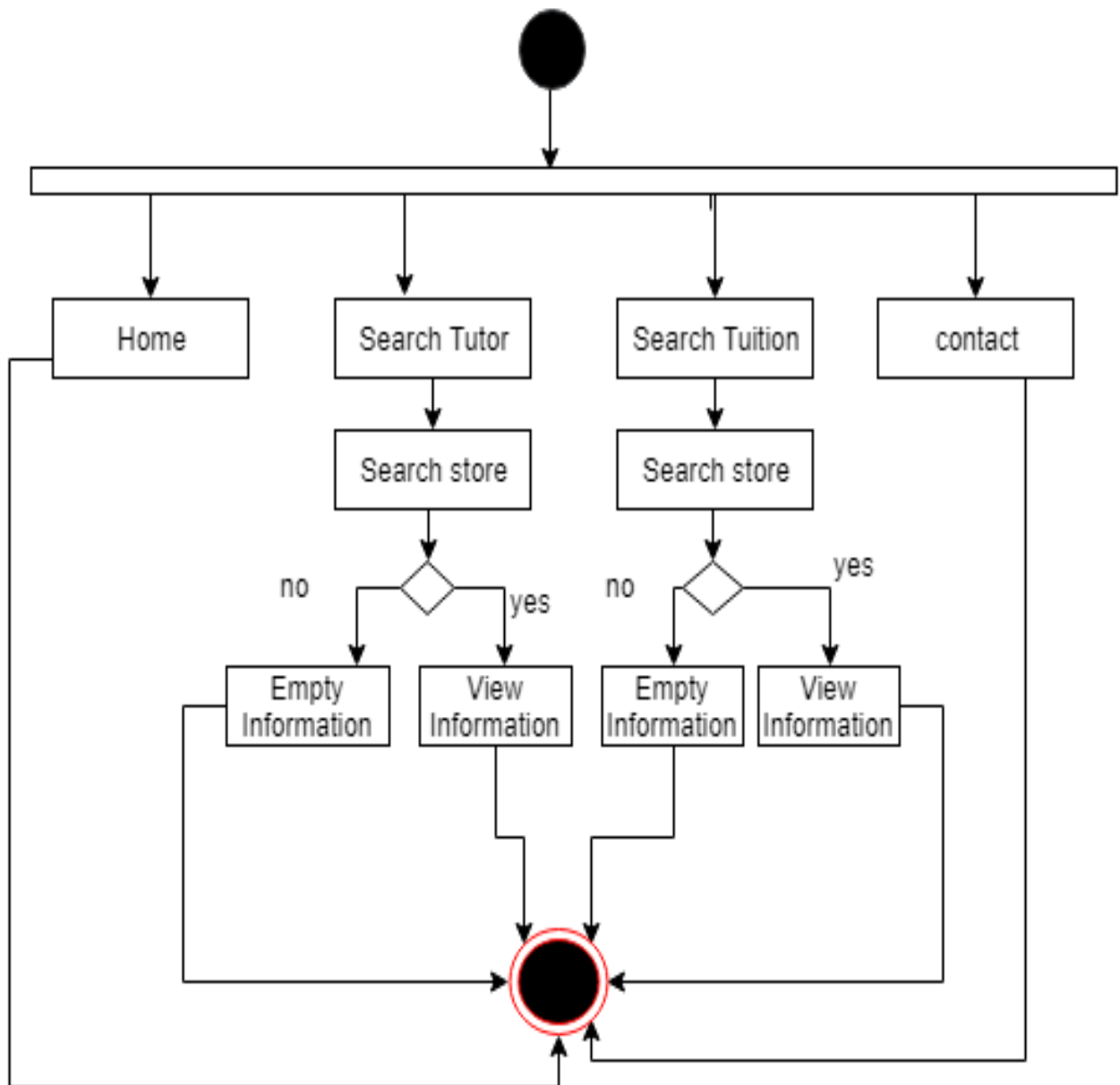


Fig-4.07: Actor Perspective Activity Diagram All User

4.3. Sequence Diagram [4]

A sequence diagram shows object interactions arranged in time sequence. It depicts the objects and classes involved in the scenario and the sequence of messages exchanged between the objects needed to carry out the functionality of the scenario.

4.3.1. Admin Perspective Sequence Diagram

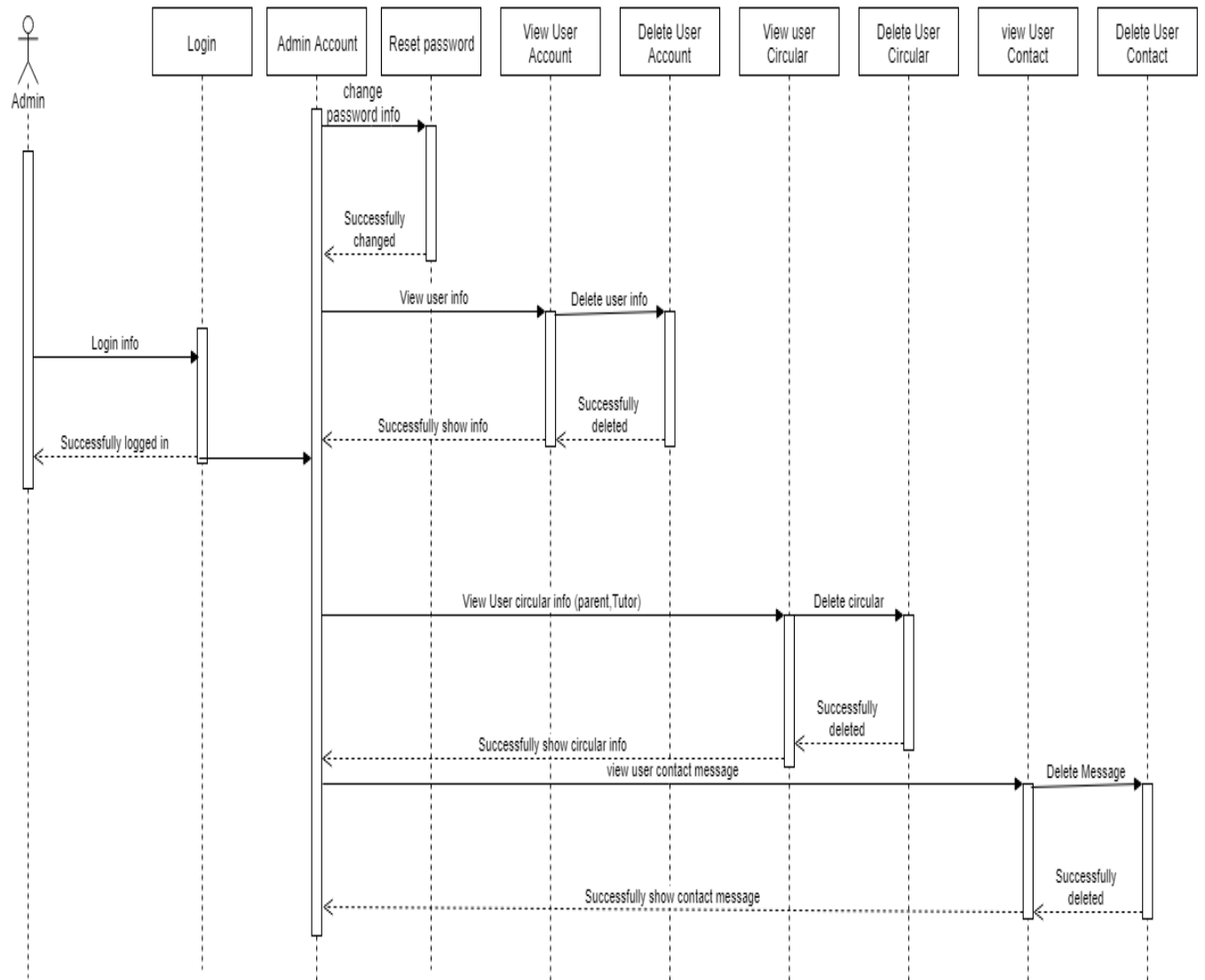


Fig-4.08: Actor Perspective Sequence Diagram Admin

4.3.2. Parent Perspective Sequence Diagram

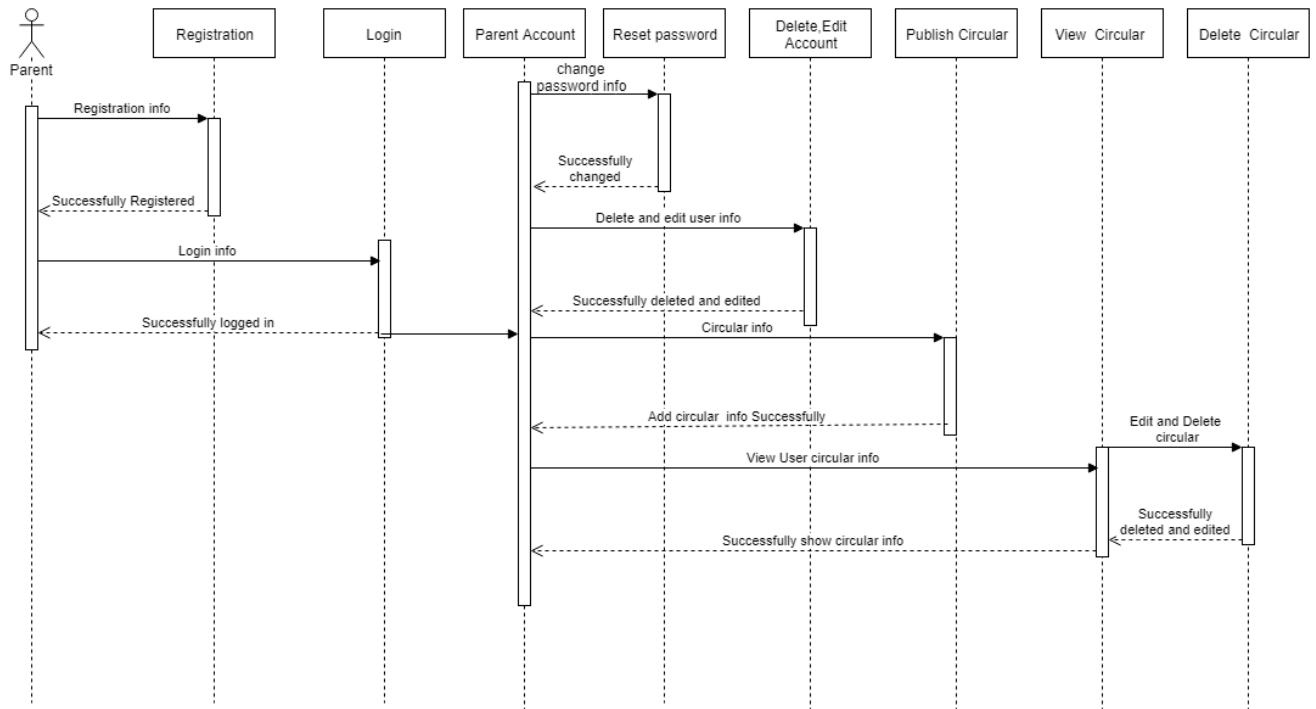


Fig-4.09: Actor Perspective Sequence Diagram Parent

4.3.2. Tutor Perspective Sequence Diagram

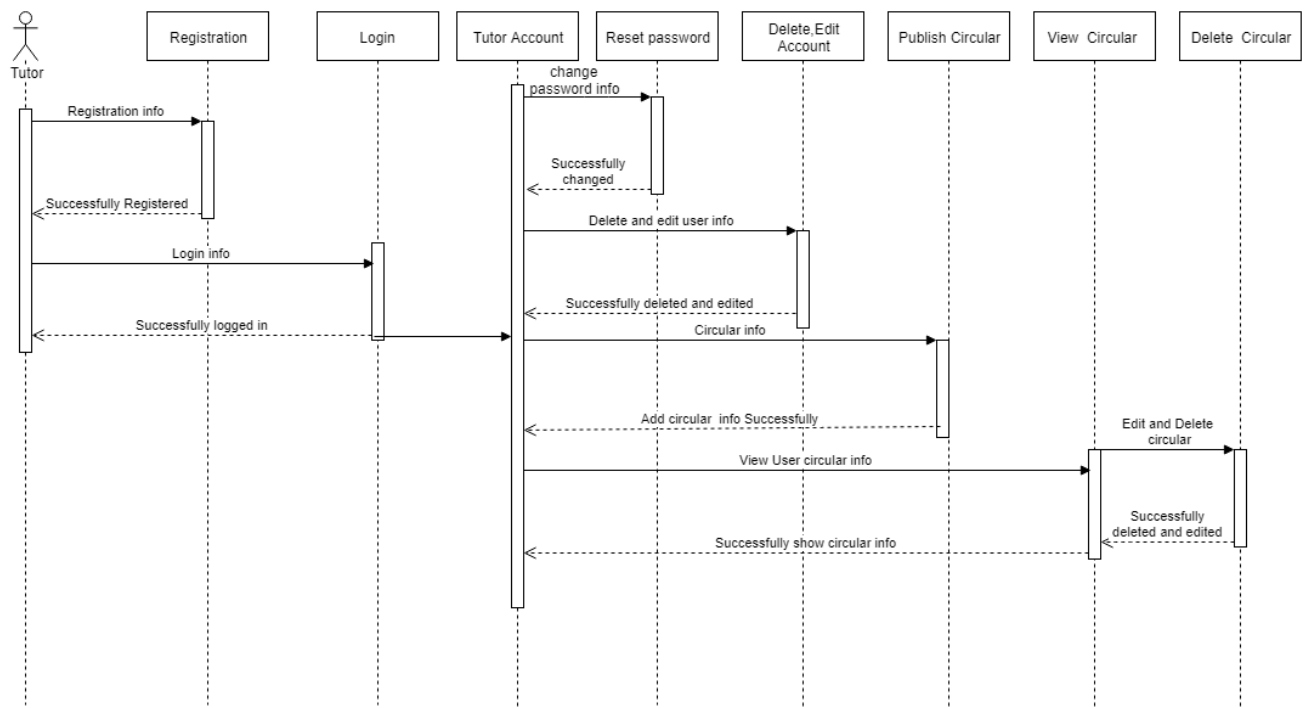


Fig-4.10: Actor Perspective Sequence Diagram Tutor

4.3.4. All User Sequence Diagram

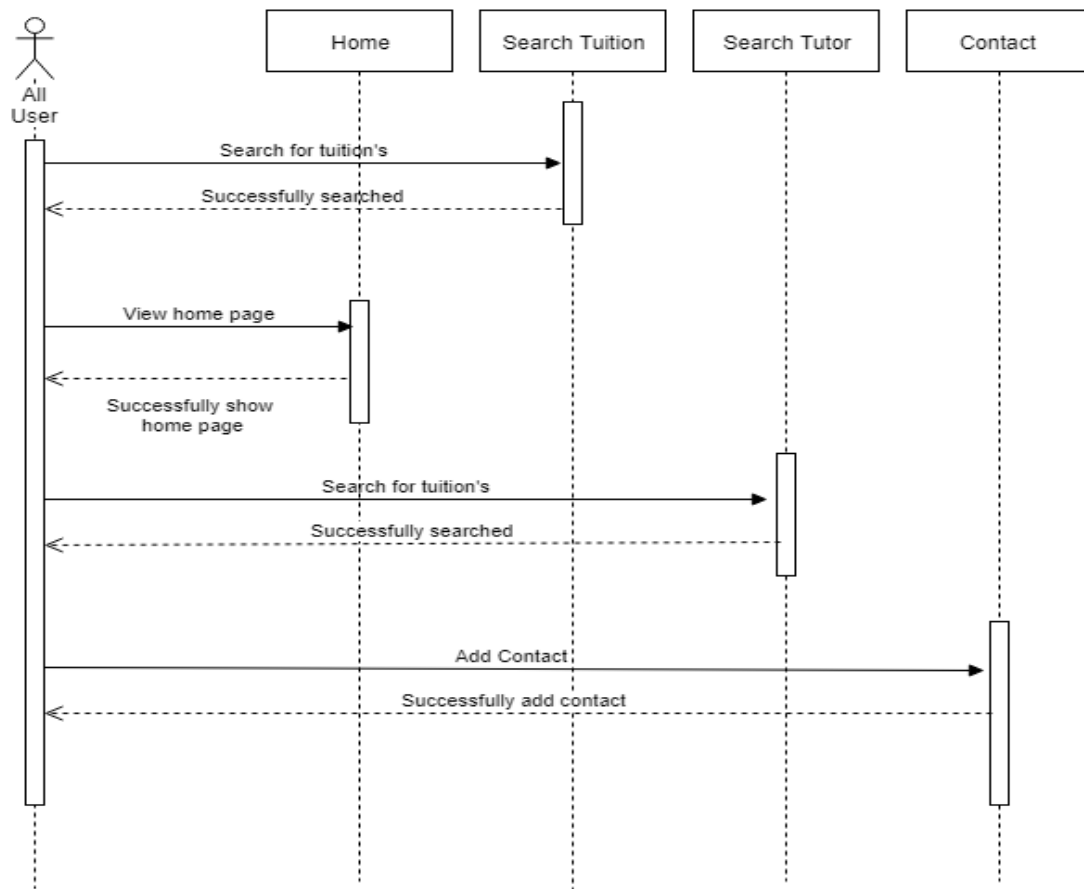


Fig-4.11: All User Perspective Sequence Diagram Find Tutor

CHAPTER 5
DESIGN & DEVELOPMENT

5. DESIGN and DEVELOPMENT

5.1. Design and Implementation Constraints

5.1.1. System Language

- PHP[4]
- HTML5[4]
- CSS3 [4]
- Java Script[4]
- jQuery [5]
- Ajax[4]

5.1.2. Database Design or Architecture

- PHP MySQL

5.2. Development Tools and Technology

5.2.1. User Interface Technology

- I am using bootstrap template

5.2.2. Implementation Tools and Platforms

- Server: 127.0.0.1 via TCP/IP
- Server type: MariaDB
- Server version: 10.1.31-MariaDB - mariadb.org binary distribution
- Protocol version: 10
- User: root@localhost
- Server charset: UTF-8 Unicode (utf8)

5.3. Class Diagram

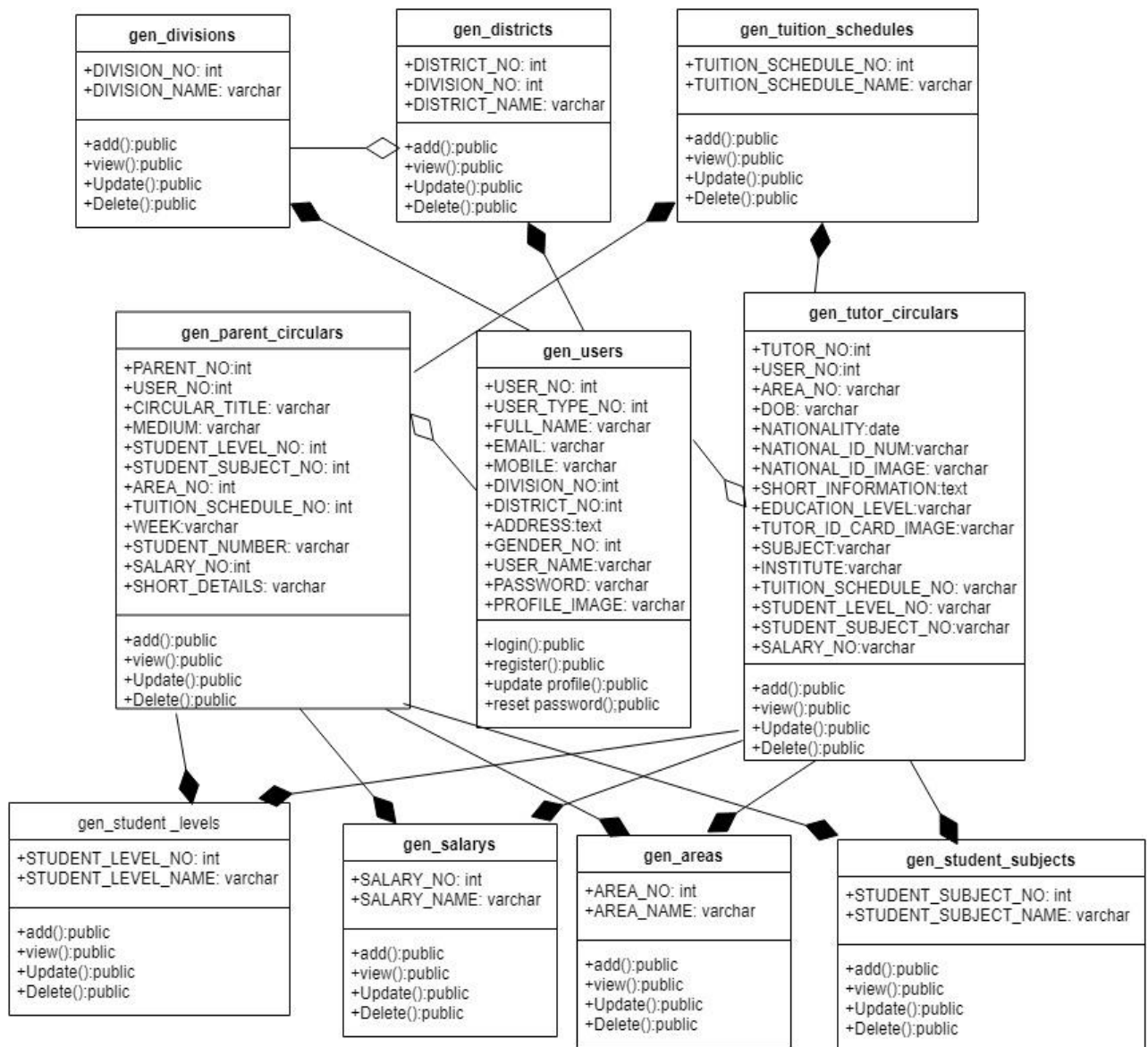


Fig-5.01: Class Diagram of find Tutor

5.4. Database Design

5.4.1. Schema diagram

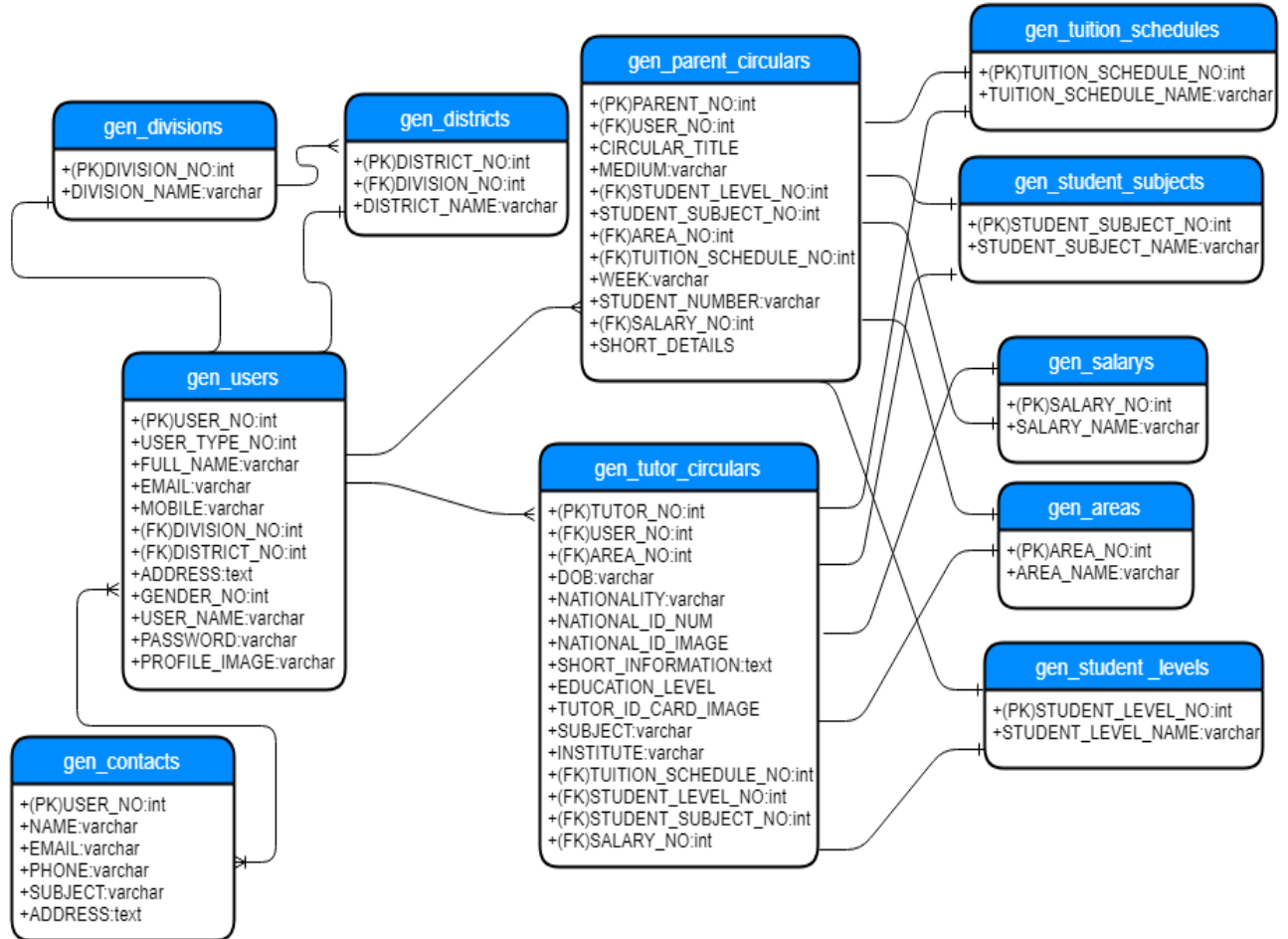


Fig-5.02: Schema Diagram of find Tutor

CHAPTER 6
TEST PLANS

6. TEST PLANS

6.1. Testing Features

Feature testing is the process of making changes in software system to add one or more new features or to make modifications in the already existing features. Each of these feature is said to have a characteristics that is designed to be useful, intuitive, and effective.

6.1.1. Features to be tested

Table-6.1: Feature to be tasted

Featured Id	Featured Name	Description	Involved User
001	Registration	User should registered herself/himself first.	Tutor, Parent
002	Login	Login as authenticated user.	Admin, Tutor, Parent
003	Add Circular	Add new circular with its all related information's.	Tutor, Parent
004	Update/Delete Circular	Check the update and delete feature for circular.	Tutor, Parent
005	User Profile	After registration user, user will see the own profile.	Tutor, Parent
006	Reset password	User will Change their password	Admin, Tutor, Parent
007	Delete Account	Admin will delete user account	admin
008	Delete circular	Admin will delete user circular	admin
009	logout	Logout from the system.	Admin, Tutor, Parent
010	Search Tutor	Search for Tutor information	Admin, Tutor, Parent

6.1.2. Features not to be tested

Table-6.2: Feature not to be tasted

Featured Id	Featured Name	Description	Involved User
001	View user account	Admin will see the user account information.	admin
002	View circular	Admin will see the user circular information.	Admin

6.2. Testing Strategies

A testing strategy is a general approach to the testing process rather than a method of devising particular system or component tests. Different testing strategies may be adopted depending on the type of system to be tested and the development process used.

6.3. Test Cases

6.3.1. Test Case Module-1: Registration

6.3.1.1. State Transition Diagram

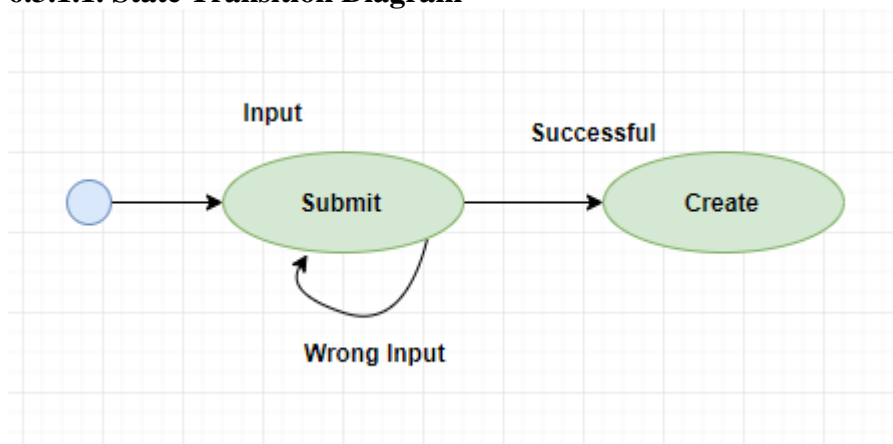


Fig-6.01: State Transition Diagram (Registration)

6.3.1.2. Test Case Table

Table-6.3: Test Case Registration

Test case #001		Test case name: Registration		
Test Priority: Medium		System:		
Designed By: Zannatul Ferdous onix		Designed Date: 20.11.18		
Executed by: Zannatul Ferdous onix		Executed date:20.11.18		
Short Description: This section cover the functionalities of registration e new user.				
Pre-conditions: User has no precondition				
Step	Action	Expected Result	Pass/ Fail	Actual Result
01	New user	Display successful message	pass	Display successful message
02	Enter empty value for any required field	Display error message	pass	Display error message
03	All the input field is filled but confirm password is not match	Display Password Mismatch!	pass	Display Password Mismatch!
Post-conditions: Registration information is inserted into the database successfully				

6.3.2. Test Case Module-2: Login

6.3.2.1. State Transition Diagram

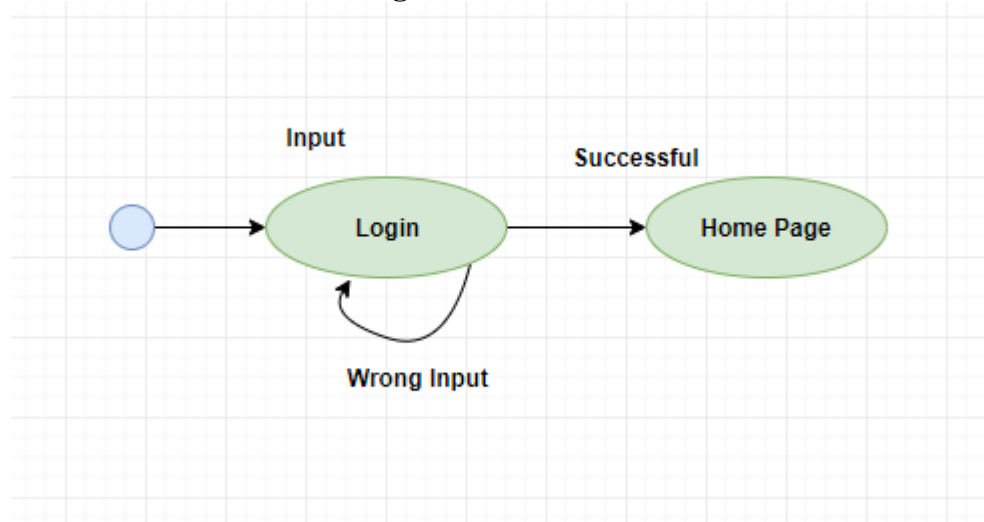


Fig-6.02: State Transition Diagram (Login)

6.3.2.2. Test Case Table

Table-6.4: Test Case Login

Test case #002			Test case name: login		
Test Priority: High			system:		
Designed By: Zannatul Ferdous onix			Designed Date: 20.11.18		
Executed by: Zannatul Ferdous onix			Executed date: 20.11.18		
Short Description: The user is registered and trying to log in to website when the system will check validity					
Pre-conditions:					
1. When any users tries to go their account or any page, they will be asked to login first.					
2. User must be registered already.					
Step	User Name	Password	Expected Result	Pass/ Fail	Actual Result
01	jannat	12345	Invalid user name or password!	pass	Invalid user name or password!
02	rahman		Please fil out this field	pass	Please fil out this field
03	onix	123456	Successfully logged in and redirect to Tutor home page	pass	Successfully logged in and redirect to Tutor home page
Post-conditions: File is inserted into the database successfully Authenticated person will successfully log In in the system.					

6.3.3. Test Case Module-3: Add Circular

6.3.3.1. State Transition Diagram

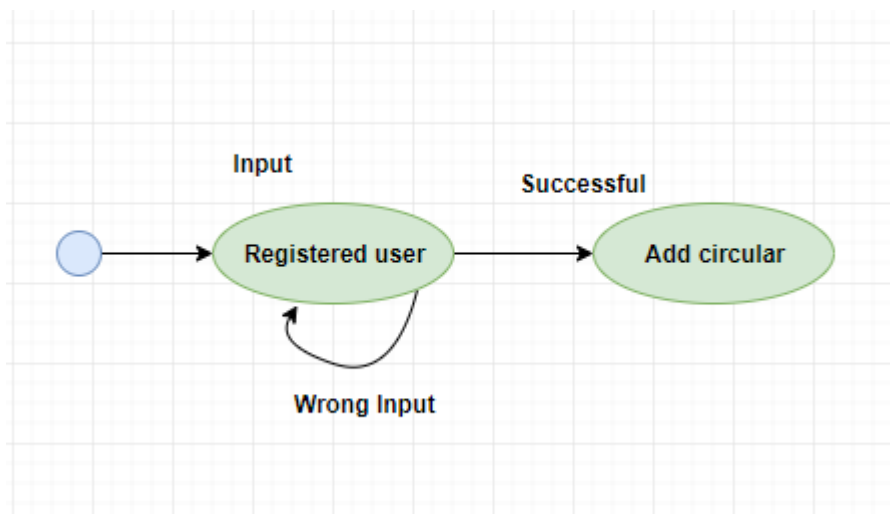


Fig-6.03: State Transition Diagram (Add Circular)

6.3.3.2. Test Case Table

Table-6.5: Test Case Add Circular

Test case #003		Test case name: Add Circular		
Test Priority: Medium		system:		
Designed By: Zannatul Ferdous onix		Designed Date: 20.11.18		
Executed by: Zannatul Ferdous onix		Executed date: 20.11.18		
Short Description: user trying fill all the input field of circular.				
Pre-conditions:				
1. User must be registered already.				
Step	Action	Expected Result	Pass/ Fail	Actual Result
01	Click Add button	Show successful message	pass	Show successful message
02	All the input field is filled area filed is empty	Please fill out area field	pass	Please fill out area field
03	All the input field is filled	System will allow to save.	pass	System will allow to save.
Post-conditions: Circular data is inserted into the database successfully				

6.3.4. Test Case Module-4: Search Tutor

6.3.4.1. State Transition Diagram

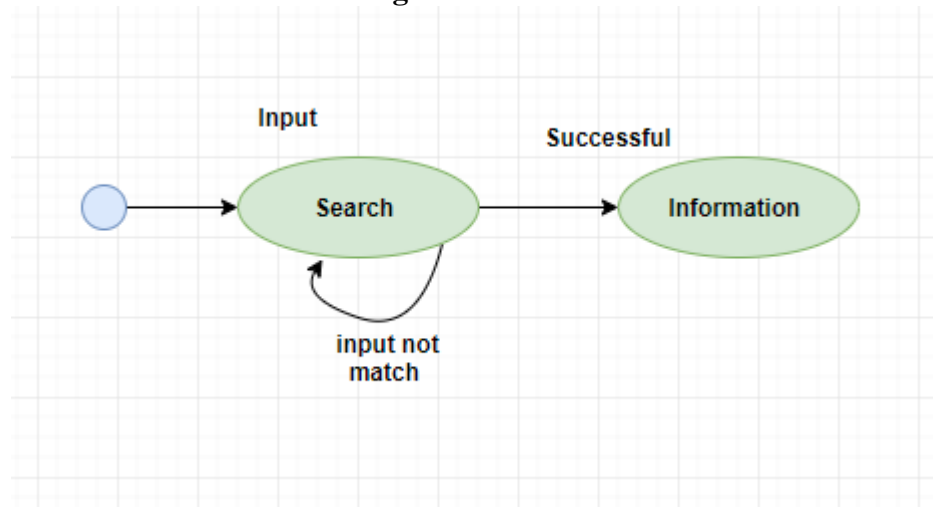


Fig-6.04: State Transition Diagram (Search Tutor)

6.3.4.2. Test Case Table

Table-6.6: Test Case Search Tutor

Test case #010		Test case name: Search Tutor		
Test Priority: High		system:		
Designed By: Zannatul Ferdous onix		Designed Date: 20.11.18		
Executed by: Zannatul Ferdous onix		Executed date: 20.11.18		
Short Description: user Search for Tutor information.				
Pre-conditions:				
1. User has no precondition				
Step	Action	Expected Result	Pass/ Fail	Actual Result
01	Search area dhanmondi	Show data successfully	Pass	Show data successfully
02	All the input field is empty	No change in search page	Pass	No change in search page
03	Multiple search	Show all data successfully	fail	Don't show data
Post-conditions: Search tutor information Circular successfully				

6.3.5. Test Case Module-5: Reset Password

6.3.5.1. State Transition Diagram

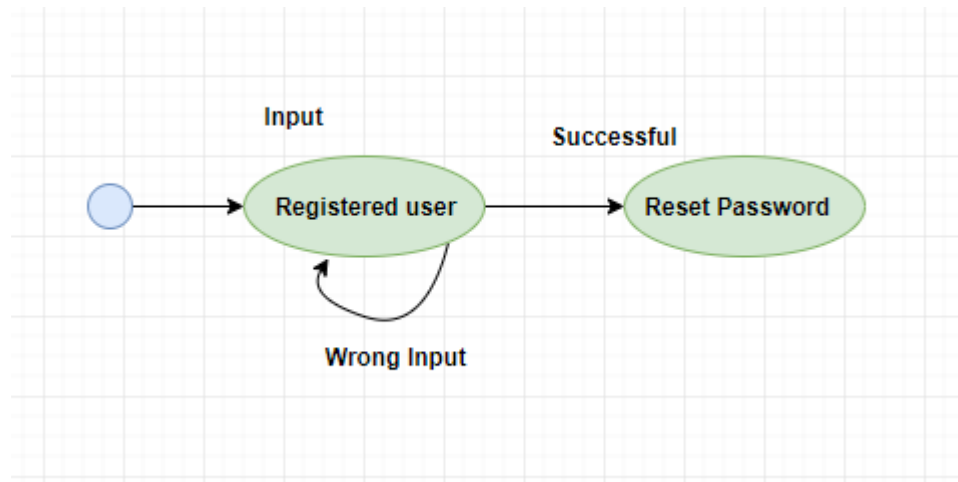


Fig-6.05: State Transition Diagram (Reset Password)

6.3.5.2. Test Case Table

Table-6.6: Test Case Reset Password

Test case #006		Test case name: Reset password		
Test Priority: Medium		system:		
Designed By: Zannatul Ferdous onix		Designed Date: 20.11.18		
Executed by: Zannatul Ferdous onix		Executed date: 20.11.18		
Short Description: user and admin trying to reset their password.				
Pre-conditions:				
<ol style="list-style-type: none"> 1. User must be registered already 2. User must know old password 				
Step	Action	Expected Result	Pass/ Fail	Actual Result
01	Click Reset button	Show successful message	pass	Show successful message
02	All the input field is filled but confirm password is not match	Show don't match password	pass	Show don't match password
03	Use fill password 4 digit	Show message Password length must be 6 digit	Pass	Show message Password length must be 6 digit
Post-conditions: password is updated into the database successfully.				

6.4. Testing Deliverables

6.4.1. Project Status Report

Table-6.7: Project Status Report

Feature	Test Case	Pass	Fail
Registration	03	03	00
Login	03	03	00
Add circular	03	03	00
Search Tutor	03	02	01
Reset password	04	04	00

CHAPTER 7

User Manual

7. User Manual

7.1 Registration Page

Registration

User Type

Full Name

Email

Mobile

Division

District

Contact Address

Gender Male Female

User Name

Password

Confirm Password

Upload Photo No file chosen

7.2 Login Page

+8801851875207 info@example.com Login Create Account

Find Tutor

Home Find Tutors Find Tutions Contact Us

LOGIN

User Name

Password

Submit

Not yet registered? [Register Now](#)

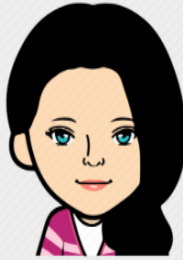

7.3 Search Tutor Page

+8801851875207 info@example.com Login Create Account

Find Tutor


Home Find Tutors Find Tutions Contact Us

LIST OF TUTORS

<input type="text"/>		<p>Graduate Anamika Khan Dhanmondi Level 5-Level 10 Daffodil International Univer...</p>	<p>English Morning & Afternoon 6000-7000</p> <p>View Details</p>
<input type="text"/>		<p>Graduate Sunyat Queen Gulshan others(music,art etc) Daffodil International Univer...</p>	<p>Others Evening Negotiable</p> <p>View Details</p>


7.3.1 View Tutor Information

Tutor Profile Information



Personal Information


Name:	Suryat Queen
Email:	queen@gmail.com
Phone number:	01839389242
Division:	Rajshahi
District:	Sirajganj
Address:	ullapara
Gender:	Female
Date of Birth:	1997-04-04
Nationality:	Bangladeshi
National ID No.:	37284168745738

National ID picture: 

Short Information: I am a Software Engineer and Researcher. I have Develops Apps, making software and many research paper.

Education Details

Educational Level: Graduate

Student/job ID Card photo: 

Highest Education: Science
Institute: Daffodil International University

Others Details

Prefered Subject: others(music,art etc)

Tuition Area: Gulshan

Student Subject: Others

Available Schedule: Evening


Expected Tuition Fee: Negotiable

[Back](#)

7.4 Search Tuition Page

+8801851875207 info@example.com

[Login](#) [Create Account](#)



[Home](#) [Find Tutors](#) [Find Tutions](#) [Contact Us](#)

Prefered Subject

--Select Subject--

Tuition Area


--Select Area--

Salary

--Select Salary--

[Search](#)

LIST OF TUTIONS



Urgent Tutor Wanted

Jannat Ferdous

Dhanmondi

others(music,art etc)


Others

Evening

others(music,art etc)

1000-2000

[View Details](#)



Home tutor wanted

Abdul Rahman

Dhanmondi

Level 0-Level 5

English

All Schedule

Level 0-Level 5

7000-8000

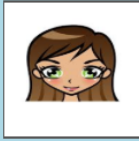
[View Details](#)

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7.4.1 View Tuition Information

Parent Profile Information



Personal Information

Name:	Jannat Ferdous
Email:	jnnat@gmail.com
Phone number:	01839389242
Division:	Dhaka
District:	Gazipur
Address :	pabna
Gender :	Female
Short Information	I want someone who can teach how to send bulk email from website database

Tuition Details

Circular For:	Urgent Tutor Wanted
Medium:	English
Prefered Subject:	others(music, art etc)
Tuition Area :	Dhanmondi
Week:	1Day/Week
Student Number :	1
Student Subject:	Others
Available Schedule:	Evening
Expected Tuition Fee:	1000-2000

[Back](#)

7.5 User Manual (parent)

7.5.1 Parent profile Page

Find TutOr

Logout Hello! Rahman

PARENT ACCOUNT

Parent Profile

Reset Password

Edit My Profile

My Circulars

Publish new Circular

My Profile



Full Name : Abdul Rahman

Email address : Rahman@gmail.com

Phone/Mobile : 01839374635

Division : Rajshahi

District : Pabna

Contact Address : Mirpur

Gender: Male

7.5.2 Update Parent Profile Page

Find Tutor

Logout Hello! Rahman

PARENT ACCOUNT

- Parent Profile
- Reset Password
- Edit My Profile
- My Circulars
- Publish new Circular

Edit Your Profile Info

Full Name: Abdul Rahman

Email: Rahman@gmail.com


Mobile: 01839374635

Division: Rajshahi

District: Pabna

Contact Address: Mirpur

Gender: Male Female

Upload Photo:  No file chosen

7.5.3 Parent Add Circular Page

Find Tutor

Logout Hello! Rahman

PARENT ACCOUNT

- Parent Profile
- Reset Password
- Edit My Profile
- My Circulars
- Publish new Circular

PUBLISH TUITION CIRCULAR

All fields are required, please fill all information and submit the form.

Circular Title: --Select Circular--

Student Medium: --Select Medium--

Student Level: --Select Level--

Preferred Subject: --Select Subject--

Tuition Area: --Select Area--

Tuitions Schedule: --Select Schedule--

Days per week: --Select Week--

Number of Students: --select Number--

Offered Salary: --Select Salary--

Circular Details:

7.5.4 Edit Circular Page

Find Tutor

Logout Hello! Rahman

PARENT ACCOUNT

- Parent Profile
- Reset Password
- Edit My Profile
- My Circulars
- Publish new Circular

Edit Your Circular Information

Circular Title: Home tutor wanted

Medium: Bangla

Preferred Subject: English

Tuition Area: Dhanmondi

Student Level: Level 0-Level 5

Schedule: All Schedule

Preferred Subject: 1Day/Week

Student Number: 2

Expected Tuition Fee: 7000-8000

Short Details: I have two children of Class 1 and 3 in Bangla medium. I need two Lady teacher for that two children from Jan./2019.

7.5.5 Update Circular Page



Logout Hello! Rahman

PARENT ACCOUNT

- Parent Profile
- Reset Password
- Edit My Profile
- My Circulars
- Publish new Circular

Update Your Circular Information

Circular Title	<input type="text" value="Home tutor wanted"/>
Student Medium	<input type="text" value="Bangla"/>
Student Level	<input type="text" value="Level 0-Level 5"/>
Preferred Subject	<input type="text" value="English"/>
Tuition Area	<input type="text" value="Dhanmondi"/>
Tuitions Schedule	<input type="text" value="All Schedule"/>
Days per week	<input type="text" value="1Day/Week"/>
Number of Students	<input type="text" value="2"/>
Offered Salary	<input type="text" value="7000-8000"/>
Circular Details	<input type="text" value="I have two children of Class 1 and 3 in Bangla medium. I need two Lady"/>
	<input type="button" value="Update"/>

7.6 User Manual (Tutor)

7.6.1 Tutor profile Page

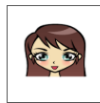


Logout Hello! Queen

TUTOR ACCOUNT

- Tutor Profile
- Reset Password
- Edit My Profile
- My Circulars
- Publish new Circular

My Profile



Full Name : Sunyat Queen

Email address : queen@gmail.com

Phone/Mobile : 01839389242

Division : Rajshahi

District : Sirajgonj

Contact Address : ullapara

Gender:Female

7.6.2 Reset Password Page



Logout Hello! Queen

TUTOR ACCOUNT

- Tutor Profile
- Reset Password
- Edit My Profile
- My Circulars
- Publish new Circular

Reset Passaword

Old Password	<input type="text"/>
New Password	<input type="text"/>
Confirm Password	<input type="text"/>
	<input type="button" value="Reset"/>

7.6.3 Update Tutor Profile Page

Find Tutor Logout Hello! Queen

TUTOR ACCOUNT

- Tutor Profile
- Reset Password
- Edit My Profile
- My Circulars
- Publish new Circular

Edit Your Profile Info

Full Name

Email


Mobile

Division

District

Contact Address

Gender Male Female

Upload Photo 
 No file chosen

7.6.4 Tutor Circular Page

Find Tutor Logout Hello! Queen

TUTOR ACCOUNT

- Tutor Profile
- Reset Password
- Edit My Profile
- My Circulars
- Publish new Circular

PUBLISH TUITION CIRCULAR

All fields are required, please fill all information and submit the form.

PERSONAL DETAILS

Tuition Area

Birth Date

Nationality

National Id Number

National ID Photo No file chosen

Short Details

CURRENT/HIGHEST EDUCATION DETAILS

Educational Level

Student/Job ID Photo No file chosen

Major/ Group/ Subject

Institute

OTHER DETAILS

Tuitions Schedule

Student Level

Prefered Subject

Expected Tuition Fee/Month









7.7 User Manual (Admin)

7.7.1 Delete User Account page

Find Tutor

admin ▼

MANAGE USER ACCOUNT




Sl	User Type	Full Name	Email	Mobile	Division	District	Address	Gender	User Name	profile picture	Action
1	Parent	Jannat Ferdous	jnnat@gmail.com	01839389242	Dhaka	Gazipur	pabna	Female	jannat		
2	Tutor	Sunyat Queen	queen@gmail.com	01827837827	Rajshahi	Sirajgonj	ullapara	Female	queen		
3	Parent	Abdul Rahman	Rahman@gmail.com	01839374635	Rajshahi	Pabna	Mirpur	Male	rahman		
4	Tutor	Anamika Khan	Anamika@gmail.com	01839389247	Dhaka	Tangail	Dhanmondi,tollabag	Female	anamika		

7.7.2 Delete Parent Circular Page

Find Tutor

admin ▼

MANAGE PARENT CIRCULAR





Sl	Circular Title	Medium	Area Name	Student Level Name	Student Subject Name	Tuition Schedule Name	Salary Name	Week	Student Number	Short Details	Action
1	Urgent Tutor Wanted	English	Dhanmondi	others(music,art etc)	Others	Evening	1000-2000	1Day/Week	1	I want someone who can teach how to send bulk email from website database	
2	Home tutor wanted	Bangla	Dhanmondi	Level 0-Level 5	English	All Schedule	7000-8000	1Day/Week	2	I have two children of Class 1 and 3 in Bangla medium. I need two Lady teacher for that two children from Jan./2019.	
3	Urgent Tutor Wanted	Bangla	Mohammadpur	Level 10-Level 12	Physics	Morning & Evening	3000-4000	5Day/Week	1	I need a teacher for my son	

7.7.3 Delete Tutor Circular Page

Find Tutor

admin ▾

MANAGE TUTOR CIRCULAR



Sl	User Name	Area Name	Birth of date	Nationality	National Id Numbare	National Id Image	Short Information	Educational Level	Tutor Id Card Image	Subject	Institute	T Sc
1	Anamika Khan	Dhanmondi	2018-11-20	Bangladeshi	37284168745738		I am a very friendly, caring, punctual, dedicated & experienced teacher.	Graduate		English	Daffodil International University	M Aft
2	Sunyat Queen	Gulshan	1997-04-04	Bangladeshi	37284168745738		I am a Software Engineer and Researcher. I have Develops Apps, making software and many research	Graduate		Science	Daffodil International University	E

7.7.4 Delete User Contact Message Page

Find Tutor

admin ▾

MANAGE USER CONTACT

Sl	Full Name	Email	Phone	Subject	Message	Action
1	Abdul Rahman	Rahman@gmail.com	01839374635	user name	I want to change my user name.	
2	Queen	queen@gmail.com	01827837827	Area	I need to select multiple area	

CHAPTER 8
PROJECT SUMMARY

8. Project Summary

8.1 Summary

This project has been started from August. From that beginning time I gather many requirements, I studied some websites then I give my proposal.

I start developing this project. I think storing the data in a database is very important. That's why I did this first and made a relationship with the tables. After that I design the UI. This project's UI is very simple and clean which is very helpful for the user's experience. Then I started coding and executing the project.

If I did not test this project there will stay some bug on this project which will ruin the full project. That's why I give importance to test this project and then I solved some bug which I got after testing this project.

8.2 Limitations

It is very hard to develop something without any limitations. This project has some limitations.

Limitations are as follows:-

- Not fully responsive
- Not highly secure

8.3 Obstacles and Achievements

To walk in the good way one's have to face many obstacles. By facing obstacles one will get some achievements. To search data after joining an obstacle for me. Although I have done it by taking help from my supervisor, friends and by searching the solution from google. I achieve my confidence to develop this project alone.

8.4 Future Scope

By working with this project, I have learnt many things. This project will give me some opportunity to work with this type of similar project.

9. References

Some references are given bellow: -

[1] Gather requirement of website

<http://www.hometutorbd.com> on 12 August 2018 at 10.30 am

[2] Gather requirement of website

<http://bdtutors.com/> on 12 August 2018 10.30 am

[3] Gather knowledge of Use Case Diagram

https://www.youtube.com/watch?v=zid-MVo7M-E&feature=share&fbclid=IwAR1gv1rOmfoM-QLEUHCerTC2XgYz_0nLwYTxJOArG3H2SknJfVbnolLbsQ4 on 30 October 2018 at 10.30 pm

[4] Gather knowledge of Sequence Diagram

<https://www.youtube.com/watch?v=pCK6prSq8aw&feature=share&fbclid=IwAR1HHR7tkrzX7fKEPqQjBSEfj-tXpS5MGz1ToExqk9sdCJQZ4qD2gQIO8cE>

On 30 October 2018 at 10.30 pm

[5] Create Hyperlink location in word

<https://www.youtube.com/watch?v=BwaNJcaBDdU> on 15 December 2018 at 8.30 pm

[6] File Uploaded field

<https://github.com/zannatulferdous/Find-Tutor> on 21 December 2018 at 10.30 pm