



Daffodil International University

**Department of Software Engineering,
FSIT SWE-431 Project / Thesis Project
Documentation**

Human Resource Management

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Approval

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Acknowledgement

First of all I would like to thank almighty Allah for giving me the proper time to successfully complete the project. Then I want to thank our respectable supervisor “Ms. Syeda Sumbul Hossain” Faculty of software Engineering, Daffodil International University, Dhaka for her excellent guidance and for having trust in my capability to complete this project.

I want to express our heartiest gratitude to Head, Department of SWE, for encouraging me and providing me with such an opportunity.

Abstract

“Human Resource Management” is intended to make manual system with the assistance of full-edge computer programming, satisfying any associations necessities. Through the application, association administrators can get to control and store their important information for a more extended period. This application can keep up and see electronic records without getting repetitive entries. The task portrays how to oversee employees information for good execution and give better support of the customer, likewise makes an availability with the workers of the association.

This is a generic application that allows customization and to fit organization specific requirements, its built with an open meta data models and flexible customizable user interface that allows user to adjust the system of perform, behave, look and feel based on organization’s specific requirements without the need for software development.

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Chapter 01: Introduction

1.1 Introduction

This section gives an overview of everything included in this project and discusses some of the benefits.

1.2 Purpose

Through this document, the project “Human Resource Management” will get a good idea. This document is main purpose is given a good idea for user and their work. This document will highlight the benefits of the project. This document will discuss the requirements, design, implementation and testing.

1.3 Project Overview

In this time technology is updating day by day and various uses technology for their own advantage. This digital era our data is increasing. And we use technology to control these data. Business associations or new business are developing step by step and to keep up a decent connection between organization administration and workers and furthermore to protect their information, we have to have an application.

In this system admin level people can store, manage their organizations data or day to day activity. Additionally, representatives of any association can interface with the administrator of the organization through the application.

1.4 Problem Statement

Some time manual data entry of any organization may find pain full and need much time. Besides keeping old record books and discovering old information may find hard. What's more, every day data count isn't simple for a human. Likewise for managers and employees of the organization, knowing their participation and other data is an issue. So to avoid these problems, do help my project.

1.5 Goals

The primary objectives of this task are the online applications. Most associations are currently reliant on the web and want to work bother free. The application isn't just for a particular organization or association however any association can utilize it. Whatever their business is. Along these lines the “Human Resource Management” application will be valuable for any sort of association or business organization.

1.6 Project Scope

Through this system, any organization can store their employee and other valuable data and can manipulate or change. It saves time as it speed up every aspect of employee database and payroll process with a range of automated feature.

1.7 Stakeholders

There are two types of stakeholders in “Human Resource Management” project. Such as:

- Admin (Organization owner).
- User (Organization employee)

Brief descriptions about stakeholders are given below.

Admin: Admin or owner can handle most of the feature of the application. Likewise, add employee, mark attendance, payroll control, handle leave application.

User: User or employee will have an id number, through they can login, and view , update their data.

1.8 Project Schedule

Table 1.8: Project schedule

Activities	Duration (in week)	Total week
Brainstorming	Week-1, Week-2	2
Problem identification	Week-2, Week-3	2
Requirement analysis	Week-4	1
Sketching	Week-5	1
Design specification	Week-6, Week-7	2
Database design	Week-8	1
Implementation	Week-9, Week-10, Week-11, Week-12	4
Testing	Week-13, Week-14, Week-15	3
Delivery	Week-16	1

1.9 Release Plan

The release plan is given below:

Table 1.9: Release plan

Version	Feature	Date
V0.1	System design, Multiple login	31-01-2019
V0.2	Make bank transaction through the application, live chat with the higher of the association, leave application in more convenient way.	04-05-2019

Chapter 2: System Analysis

2.1 Requirement Analysis

Requirement analysis is a process of help user needs for application. Requirement analysis involves the task that decides the needs of the software, which mainly incorporates objections and requirements of different customer. Requirement analysis needs to the good quality of the application.

2.2 Requirement Gathering

There are many strategies for collecting requirement gathering, such as brainstorming, questionnaires, interview and customer observation.

I first meet the supervisor and made a list of the requirement. I've talked about my project with different users and I've got work from them.

2.3 Feature

- Password protected login system
- Add new employee
- Add new department
- Grading system
- Manage employee grade and department
- Employee salary details
- Generate payroll report
- Employee login system
- Leave application

2.4 Requirement Specification

2.4.1 Functional Requirement

Functional requirements are mandatory for the any system. For this system functional requirements are mentioned below.

Table 2.5.1.1: Login User

ID: FR-01
Requirement Name: Login User
Description: User can input valid email and password then user successfully login.
Stockholders: Admin, User

Table 2.5.1.2: Logout User

ID: FRQ-02
Requirement Name: Logout User
Description: If the user is logged out then user session detail clear.
Stockholders: Admin, Employee

Table 2.5.1.3: Adding New Employee

ID: FRQ-03
Requirement Name: Add new employee
Description: Admin can add new employee with information.
Stockholders: Admin, Employee

Table 2.5.1.4: Adding New Department

ID: FRQ-04
Requirement Name: Add new department
Description: Admin can add new department for the first time or can increase department if available.
Stockholders: Admin

Table 2.5.1.5: Grading system

ID: FRQ-05
Requirement Name: Add grade
Description: Admin can add grade or job position of an employee.
Stockholders: Admin

Table 2.5.1.6: Manage Grade

ID: FRQ-06
Requirement Name: Manage employee grade.
Description: Admin can update employee grade if needed.
Stockholders: Admin

Table 2.5.1.7: Salary Details

ID: FRQ-07
Requirement Name: Manage employee salary
Description: Admin can fix employee salary according to their position.
Stockholders: Admin, Employee

Table 2.5.1.8: Generate Payroll Report

ID: FRQ-08
Requirement Name: Generate payroll report
Description: Admin can generate a payroll report on monthly basis.
Stockholders: Admin

Table 2.5.1.9: Mark Daily Attendance

ID: FRQ-09
Requirement Name: Add Attendance
Description: Admin can take attendance of the employee of the organization.
Stockholders: Admin

Table 2.5.1.10: Edit Employee

ID: FRQ-10
Requirement Name: Edit Details
Description: Admin and Employee can update their information.
Stockholders: Admin, employee

Table 2.5.1.11: Admin delete user information

ID: FRQ-11
Requirement Name: Admin delete user information
Description: Admin can delete information.
Stockholders: Admin

2.5.2 Non-Functional Requirement

For this system non-functional requirements are mentioned below.

Table 2.5.2.1: Privacy

ID: FRQ-1
Requirement Name: Privacy.
Description: System has to protect user data and confidential information.
Stockholders: All users.

Table 2.5.2.2: Data Capacity

ID: FRQ-2
Requirement Name: Data Capacity.
Description: This system need to handle thousands of data.
Stockholders: Admin , Employee

Table 2.5.2.3: Interface Requirement.

ID: FRQ-3
Requirement Name: Interface Requirement.
Description: System should be user friendly for all users.
Stockholders: All users.

2.6 Use case of proposed system

2.6.1 Use-case Diagram

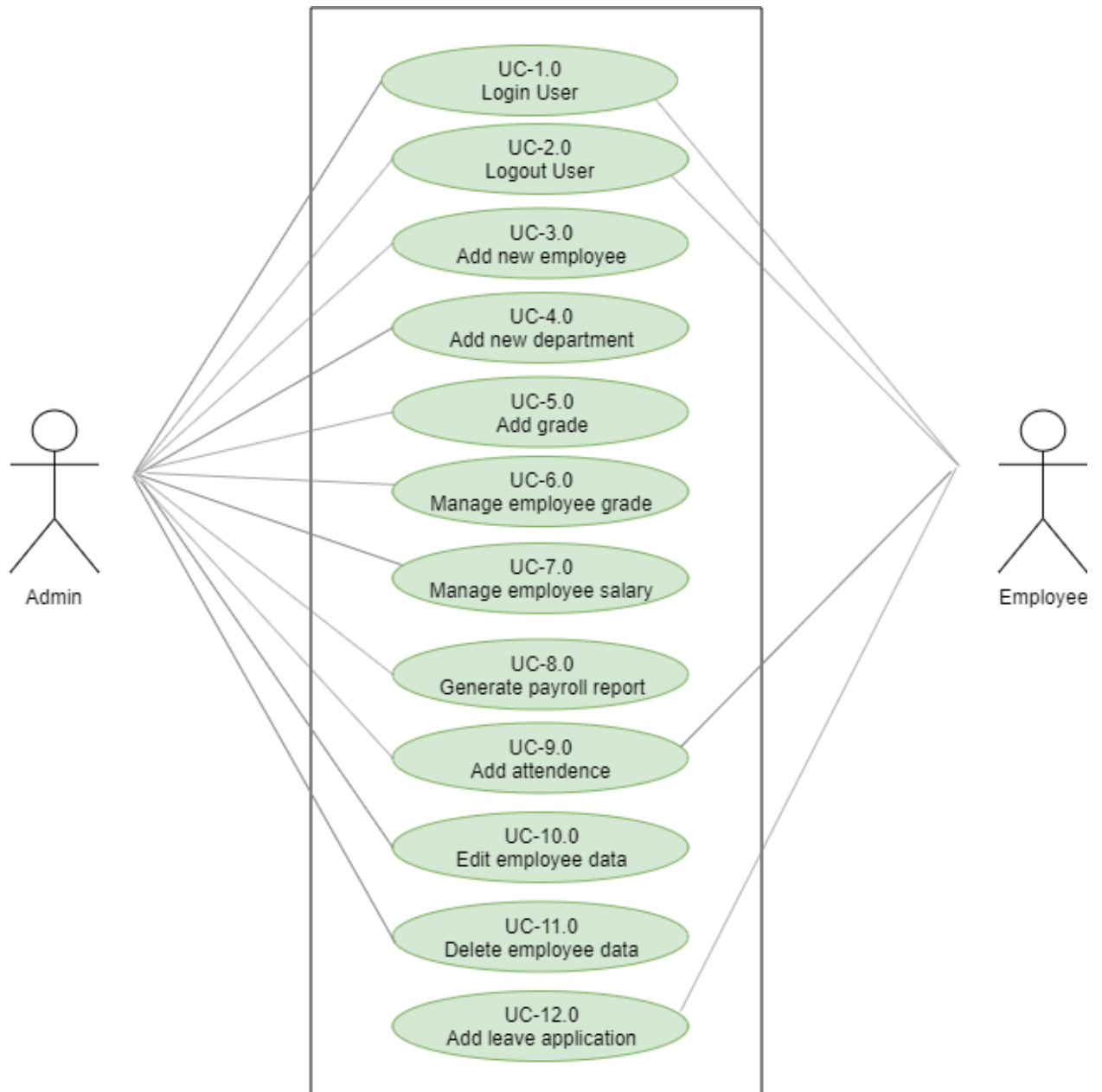


Figure 2.6.1: Use-case diagram

2.6.2 Use-Case Table

Table 2.6.2.1: Login User

Use Case Title	Login User
Use Case ID	Uc-1.0
Preconditions	User select the login form and fill up it.
Actors	Admin , Employee
Success End Condition	User successfully logged
Failure End Condition	Display gives error message “Login failed ”
Trigger	Show user home page.
Description	After all requirement field fill up user can login for the system.

Table 2.6.2.2: Logout User

Use Case Title	Logout User
Use Case ID	Uc-2.0
Preconditions	1. User must be logged in. 2. User select the logout button and select logout.
Actors	Admin, Employee
Success End Condition	User successfully logged out.
Failure End Condition	Log out error“ ”
Trigger	Show the user login page.
Description	After the user logout then user can see the login page.

Table 2.6.2.3: Add Employee

Use Case Title	Add employee
Use Case ID	Uc-3.0
Preconditions	Admin must be login.
Actors	Admin
Success End Condition	Employee successfully added.
Failure End Condition	Employee added error.
Trigger	Show the fill data form.
Description	If admin added a user then can add other details.

Table 2.6.2.4: Add new department

Use Case Title	Add new department
Use Case ID	Uc-4.0
Preconditions	Admin must be logged in
Actors	Admin
Success End Condition	Department successfully save database.
Failure End Condition	Department not successfully save database.
Trigger	Display successfully message.
Description	If the admin can success to add a department then can add department details with employee.

Table 2.6.2.5: Add grade

Use Case Title	Add grade
Use Case ID	Uc-5.0
Preconditions	Admin must be login.
Actors	Admin
Success End Condition	Grade added success.
Failure End Condition	Grade adding error.
Trigger	Display successfully message.
Description	After adding grade admin fix grade scale.

Table 2.6.2.6: Manage Employee grade

Use Case Title	Manage employee grade
Use Case ID	Uc-6.0
Preconditions	Admin must be logged in.
Actors	Admin
Success End Condition	Grade changed success
Failure End Condition	Grade changed error
Trigger	View changed grade scale.
Description	After change grade employee can avail new scale facility

Table 2.6.2.7: Manage Employee Salary

Use Case Title	Manage employee salary
Use Case ID	Uc-7.0
Preconditions	Admin must be login.
Actors	Admin
Success End Condition	Admin manage employee salary details.
Failure End Condition	Salary details not updated
Trigger	View the all salary information.
Description	Admin wants Will to be able to see all salary information.

Table 2.6.2.8: Generate payroll report

Use Case Title	Generate payroll report
Use Case ID	Uc-8.0
Preconditions	Admin should be logged in
Actors	Admin
Success End Condition	Admin can generate a report of all pay record.
Failure End Condition	Admin can't generate report.
Trigger	Get a copy of all pay record.
Description	Admin is able to can see all pay information.

Table 2.6.2.9: Add attendance

Use Case Title	Add attendance
Use Case ID	Uc-9.0
Preconditions	1.Admin must be logged in 2. Employee must be at work
Actors	Admin, employee
Success End Condition	Attend.
Failure End Condition	Absent.
Trigger	Display successfully message.
Description	Admin can mark time of employee attendance in presence of employee

Table 2.6.2.10: Edit Employee Data

Use Case Title	Edit employee data
Use Case ID	Uc-10.0
Preconditions	Admin must be login
Actors	Admin
Success End Condition	Update successfully save.
Failure End Condition	Update not successfully save.
Trigger	View updated info.
Description	New updated data will be saved into db.

Table 2.6.2.11: Delete Employee Data

Use Case Title	Delete employee data
Use Case ID	Uc-11.0
Preconditions	Admin must be logged in
Actors	Admin
Success End Condition	Delete user data
Failure End Condition	Data not deleted
Trigger	No records of deleted user.
Description	Admin can delete an user if necessary or the employee leave

Table 2.6.2.12: Add leave application

Use Case Title	Add leave application
Use Case ID	Uc-12.0
Preconditions	Employee must be submit an application.
Actors	Employee
Success End Condition	Application submitted success
Failure End Condition	Application rejected
Trigger	Display successfully message.
Description	If admin confirm application then employee can take leave.

Table 2.6.2.13: Add leave application

Use Case Title	Add leave application
Use Case ID	Uc-12.0
Preconditions	Admin must be login.
Actors	Admin
Success End Condition	Admin confirm application
Failure End Condition	Admin not confirm application.
Trigger	Display successfully message.
Description	Admin can grant or no grant application.

Chapter 3: System Design

3.1.1 Activity Diagram

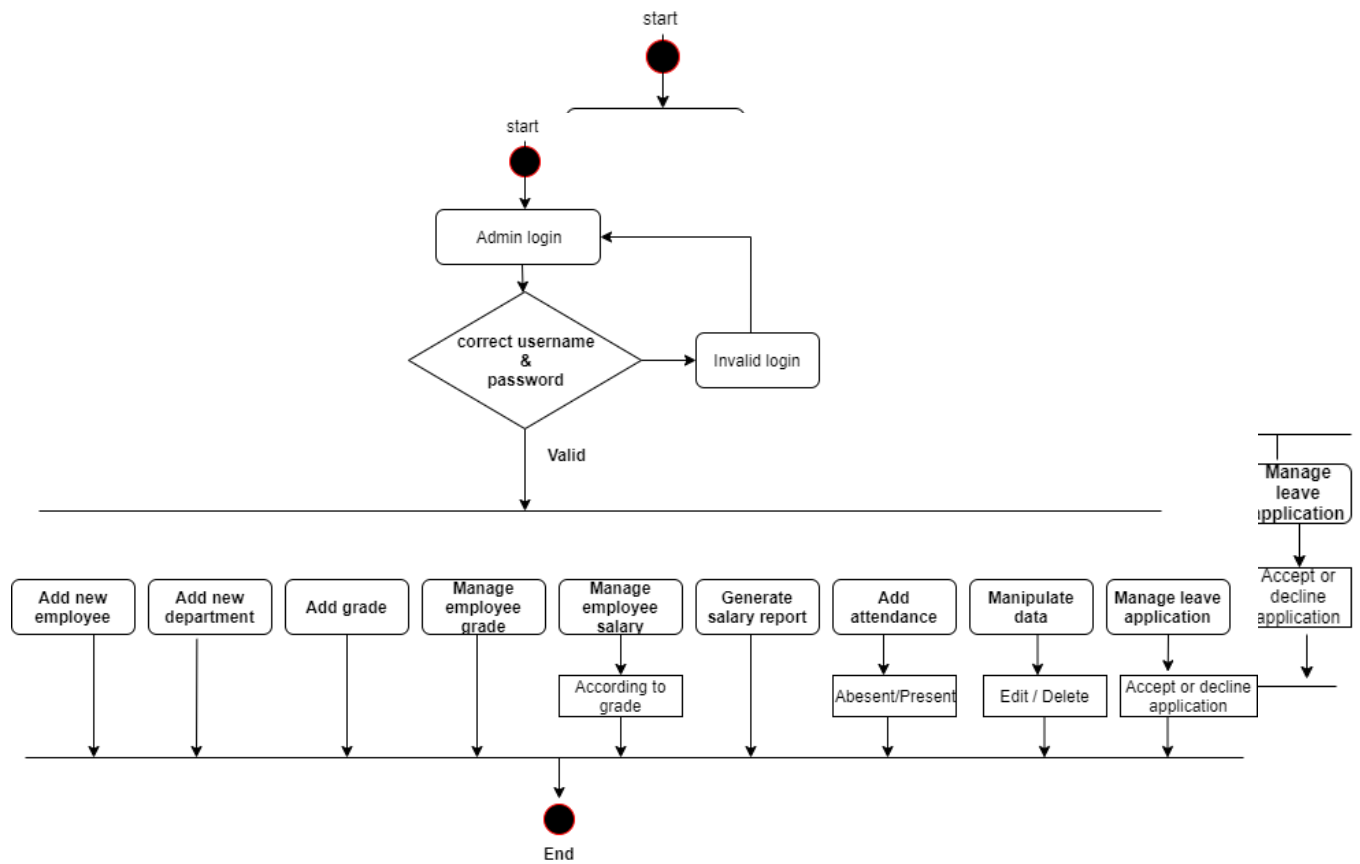


Figure 3.1.1: Activity Diagram for Admin

3.1.2 Activity Diagram

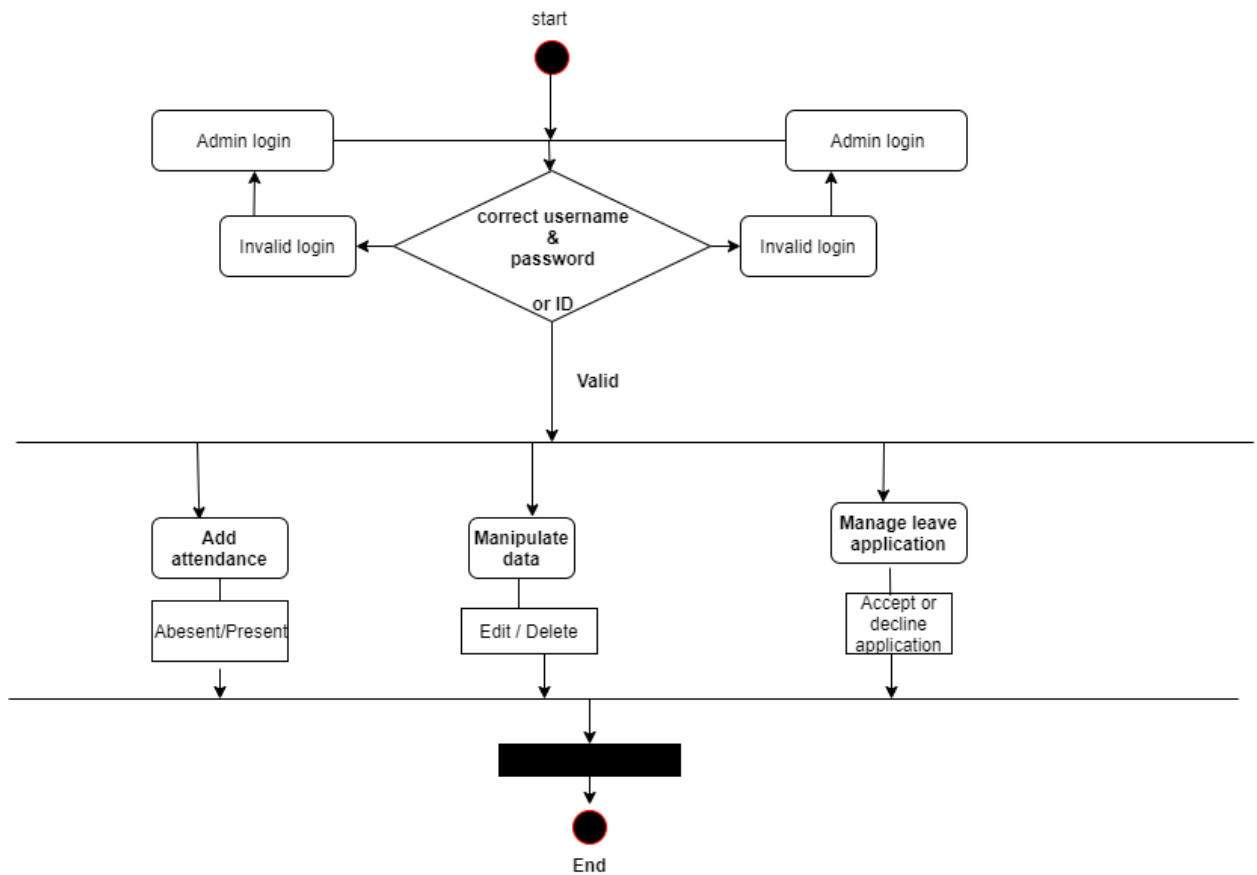


Figure 3.1.2: Activity Diagram for Employee

3.1.3 Activity Diagram

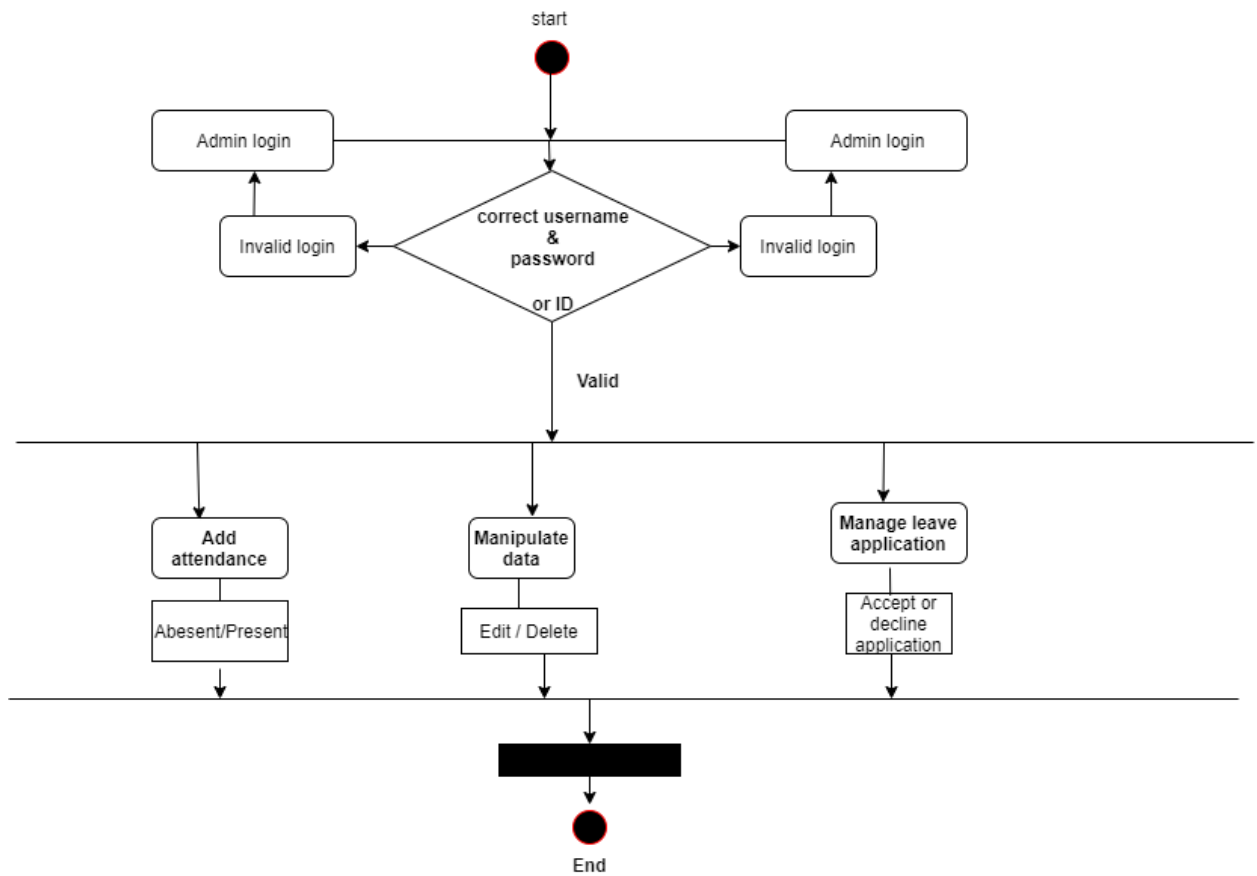


Figure 3.1.3: Activity Diagram for Common user

3.2.1 Dataflow Diagram (Level-0)

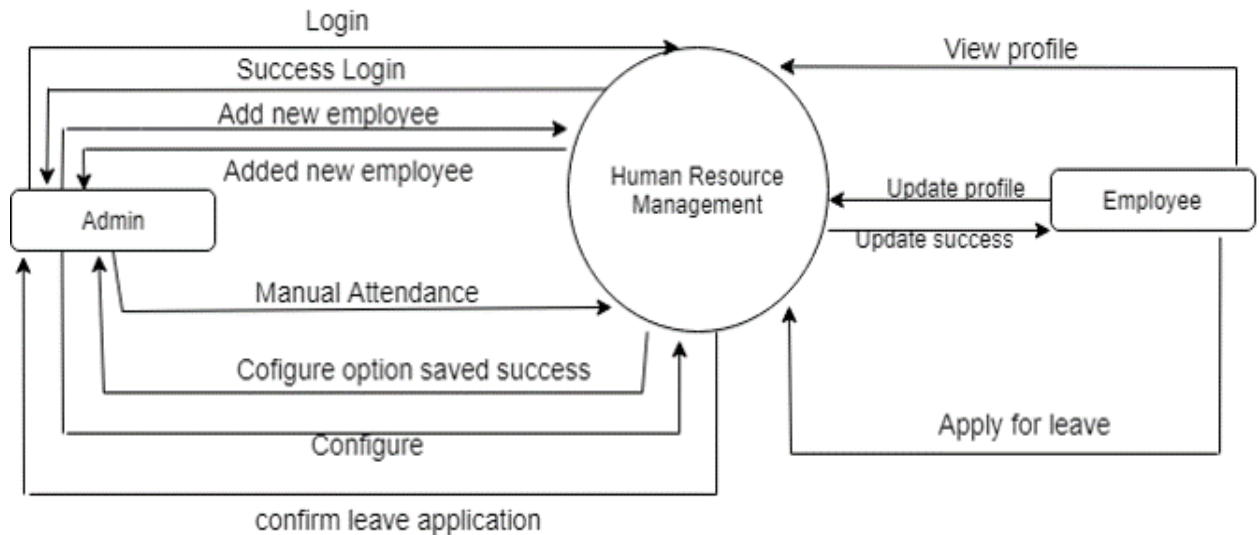


Figure 3.2.1: Dataflow diagram (Level-0)

In the diagram we can see the flow of the system. Here Admin can login, if success then there will be a success flow. If add an employee there will be another success flow where success message flow of added employee can be found. Also can accept and reject leaves to application.

Here Employee flow we can see that, Employee can view their data. And also can update Data. And most important thing, they can fill an application for leave.

3.2.2 Dataflow Diagram (Level-1)

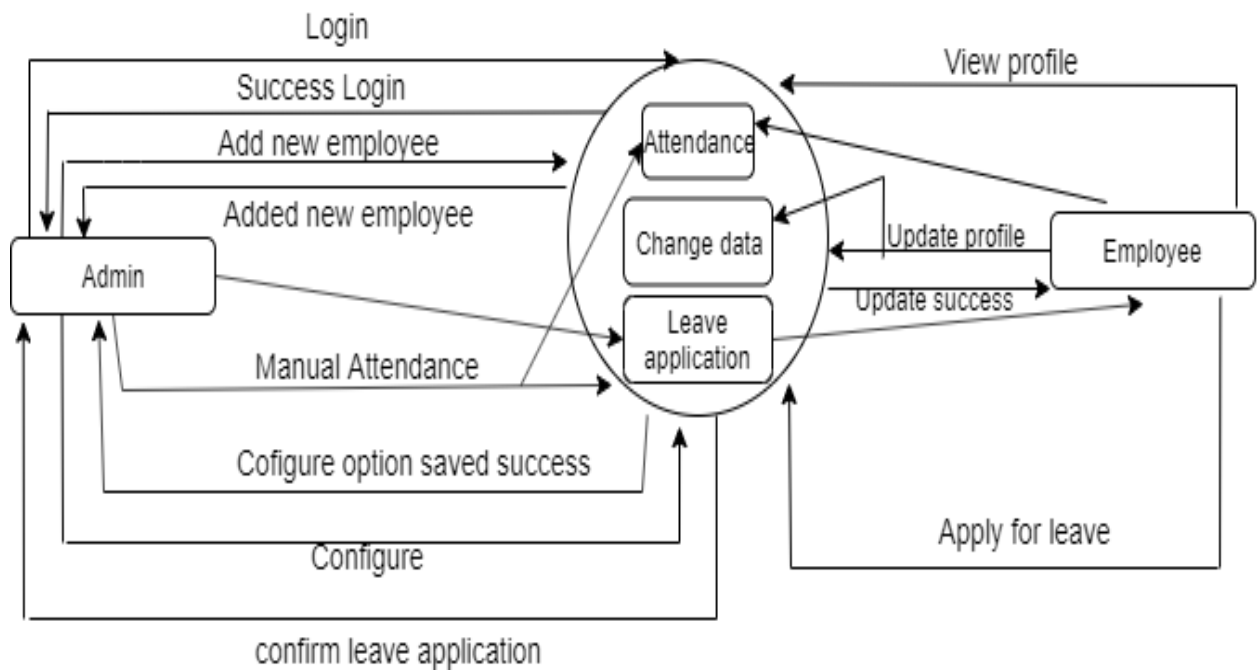


Figure 3.2.2: Dataflow diagram (Level-1)

Here in diagram level-1 the flows are more clear, because here we can see that, if an employee sends any leave application to admin, the admin can accept or reject the application. Moreover, there will be a confirm flow according to admin response to the employee. Where's its positive or negative.

3.3 ER Diagram:

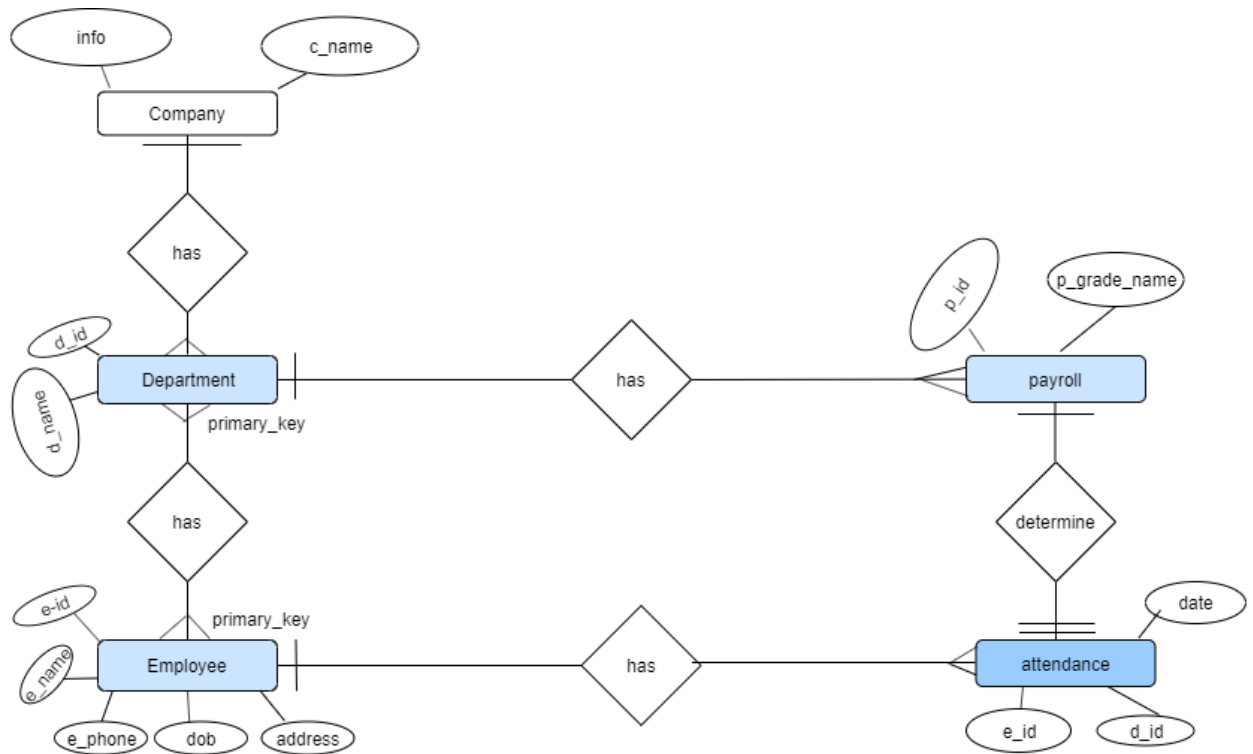


Figure 3.3: ER Diagram

3.4 Class diagram:

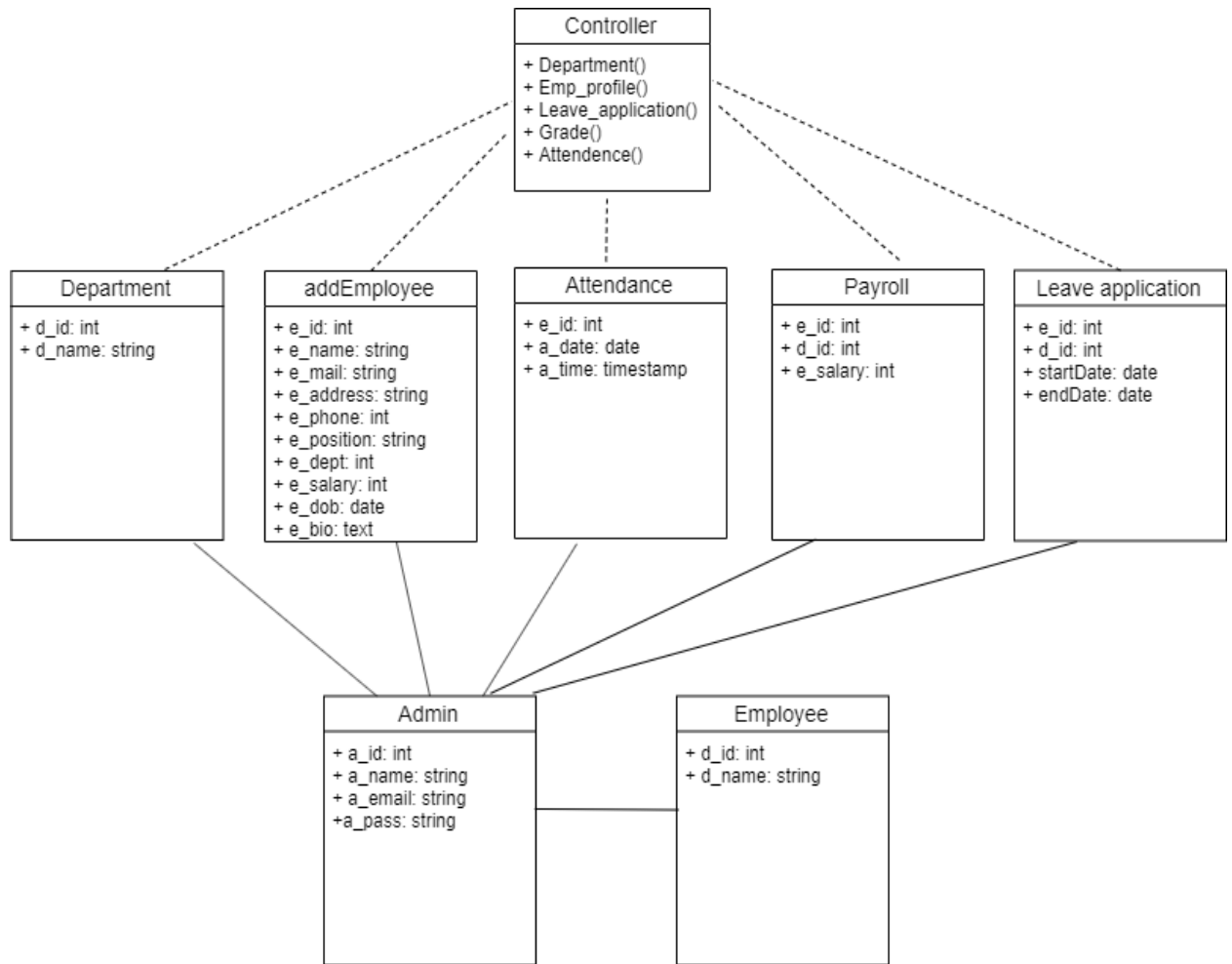


Figure 3.4: Class Diagram

Chapter 4:

System Test & Development

4.1 Introduction

This web application is an administration application, this application will give the administration of the executives. There are a few kind of clients and numerous highlights on this application. To guarantee an application quality, testing is must. The client use will give a little information so be cautious about the information. I've worked with that test they are given below.

- ☐ Functional Testing
- ☐ Unit Testing
- ☐ Integration Testing
- ☐ System Testing
- ☐ Acceptance Testing

4.2 Features to be tested:

Table- 4.2: Features to be tested

Feature	Priority	Description
Login	2	User must be authenticated by login.
Logout	1	Session must be destroy after logout.
Registration	2	To become a member organization, they need to be added by admin first.
Request leave application	2	You must be registered of the organization Then you request for leave application.
Accept application	1	Admin must be logged in then, if admin accept/reject then send mail for conformation message.
View employee Information	1	Admin or employee must be login then view all available information.
Add new employee	1	Admin must be logged in to new employee
Manage employee salary	3	Admin must log in and if there any salary changes then can do changes if available.
Generate payroll report	2	Admin can generate report monthly
View Information	3	Employee or admin can view their information.
Add grade	2	If there is any new grade then admin can add
Admin Delete Information	3	Admin delete information but must be logged in.

Here, 1 = Low Priority, 2 = Medium Priority, 3 = High Priority

4.3 Testing Strategy:

Testing strategy determines the projects approach to testing. I will first check that requirement then I will verify requirement whether it work correctly. It is also the indicator of test that are to be performed on the whole software development life cycle. Keep the application started I will follow a few step of testing. First of all, I did the functional testing then unit testing then I did Integration testing then System testing and at last I did Acceptance testing.

4.4 Test Case Table

Table 4.4.1: Login

Test case #1			Test case name: Log in		
System: Human Resource Management			Subsystem: N/A		
Designed by: Golam Mohiuddin			Designed date: 20/10/2019		
Executed by: Golam Mohiuddin			Executed date: 21/10/2019		
Short description: If the user will be correct data input then user login successfully.					
Pre-conditions: • User must be added by admin. • Assume that, the email id is ‘mmmeshal96@gmail.com’ and password is ‘password’					
Step	Email	Password	Expected result	Pass/Fail	Comment
1	mmmeshal96@	pass	These credentials do not match our records.	Pass	
2	mmmeshal96@gmail.com		The password field is require.	Pass	
3		password	The email field is required.	Pass	
4	mmmeshal96@gmail.com	password	Successfully login to the application	Pass	
Post-conditions: After the user login then user can see the homepage and many option.					

Table 4.4.2: Logout User

Test case #2		Test case name: Logout User		
System: Human Resource Management		Subsystem: N/A		
Designed by: Golam Mohiuddin		Designed date: 20/10/2019		
Executed by: Golam Mohiuddin		Executed date: 21/10/2019		
Short description: If the employee/admin want logout, then user will chose logout button and click the button.				
Pre-conditions: Employee/Admin must be login.				
Step	Action	Response	Pass/Fail	Comment
1	Click logout from dropdown.	Successfully logout.	Pass	
2	After logout click back and reload.	Redirect to login page	Pass	
Post- conditions: Session will be destroy.				

Table 4.4.3: Registration

Test case #3		Test case name: Registration		
System: Human Resource Management		Subsystem: N/A		
Designed by: Golam Mohiuddin		Designed date: 20/04/2019		
Executed by: Golam Mohiuddin		Executed date: 21/04/2019		
Short description: If any employee join the organization, to do activity on application he/she must be registered by admin.				
Pre-conditions: - Admin must be logged in. - Employee must be added by admin to do activity.				
Step	Action	Response	Pass/Fail	Comment
1	Employee need to login.	Enter your ID	Pass	
2	All input filed is filled up by the user.	Application will employee those information.	Pass	
Post-conditions: New information is saved to the database of the application program properly.				

Table 4.4.4: Request Leave Application

Test case #4		Test case name:		
System: Human Resource Management		Subsystem: N/A		
Designed by: Golam Mohiuddin		Designed date: 20/04/2019		
Executed by: Golam Mohiuddin		Executed date: 21/04/2019		
Short description: If the employee wants to take an leave application, then the admin will send a confirmation by request.				
Pre-conditions: Employee must be authenticated by application.				
Step	Action	Response	Pass/Fail	Comment
1	Employee send application.	Send mail.	Pass	
2	Admin is accept application.	Send conformation mail.	Pass	
Post-conditions: Show the successfully mail send accept/reject message.				

Table 4.4.5: Accept application

Test case #5		Test case name: Accept application		
System: Human Resource Management		Subsystem: N/A		
Designed by: Golam Mohiuddin		Designed date: 20/04/2019		
Executed by: Golam Mohiuddin		Executed date: 21/04/2019		
Short description: If employee send an leave application then can accept/reject.				
Pre-conditions: • Application must be sended. • Admin must accept application to grant leave.				
Step	Action	Response	Pass/Fail	Comment
1	Leave application not sended.	No request will Be come .	Pass	
2	Application accepted.	Send positive confirmation to employee	Pass	
Post- conditions: Send success message.				

Table 4.4.6: View employee information

Test case #6		Test case name: View employee info		
System: Human Resource Management		Subsystem: N/A		
Designed by: Golam Mohiuddin		Designed date: 20/04/2019		
Executed by: Golam Mohiuddin		Executed date: 21/04/2019		
Short description: After all information field fill up admin or employee can view information.				
Pre-conditions: Employee information must be added.				
Step	Action	Response	Pass/Fail	Comment
1	All required fields are not filled yet.	Fields must not be empty.	Pass	
2	All input field is filled up by the user.	Application will view those information	Pass	
Post-conditions: User information is view from the database of the application program properly.				

Table 4.4.7: Add new employee

Test case #7		Test case name: Add new employee		
System: Human Resource Management		Subsystem: N/A		
Designed by: Golam Mohiuddin		Designed date: 20/04/2019		
Executed by: Golam Mohiuddin		Executed date: 21/04/2019		
Short description: If there is any new employee.		Employee avialabel then can add new		
Pre-conditions: Admin must be login.				
Step	Action	Response	Pass/Fail	Comment
1	Add new employee.	New add form will appear	Pass	
2	User information saved database.	Show the user information .	Pass	
Post-conditions: New employee will be added.				

Table 4.4.8 Manage Employee Salary

Test case #8		Test case name: Manage employee Salary		
System: Human Resource Management		Subsystem: N/A		
Designed by: Golam Mohiuddin		Designed date: 20/04/2019		
Executed by: Golam Mohiuddin		Executed date: 21/04/2019		
Short description: Admin can change salary range according to position.				
Pre-conditions: Employee salary must be set before by admin.				
Step	Action	Response	Pass/Fail	Comment
1	Previous range not upadated yet.	Fields must not be contain Old data	Fail	
2	All input filed is updated up by the admin	Application will save those information.	Pass	
Post-conditions: Admin/employee can see updated information.				

Table 4.4.9: Generate pay roll report

Test case #9		Test case name: Generate payroll report		
System: Human Resource Management		Subsystem: N/A		
Designed by: Golam Mohiuddin		Designed date: 20/04/2019		
Executed by: Golam Mohiuddin		Executed date: 21/04/2019		
Short description: Admin can generate report if pay info avaibale.				
Pre-conditions: All payment info or pay amount must be in system.				
Step	Action	Response	Pass/Fail	Comment
1	If all payment info not remain in the database,	report information not successfully come.	Fail	
2	If the pay details are in remain the database	payment information successfully generate.	Pass	
Post-conditions: View the all payment or pay information.				

Table 4.4.10: View information

Test case #10		Test case name: View information		
System: Human Resource Infomation		Subsystem: N/A		
Designed by: Golam Mohiuddin		Designed date: 20/04/2019		
Executed by: Golam Mohiuddin		Executed date: 21/04/2019		
Short description: If the admin wants will to be able to can see all information.				
Pre-conditions: Admin must be login.				
Step	Action	Response	Pass/Fail	Comment
1	User information not saved database.	Not found user.	Fail	
2	User information saved database.	Show the all information.	Pass	
Post-conditions: View all the information.				

Table 4.4.11: Add grade

Test case #11		Test case name: Add grade		
System: Add grade		Subsystem: N/A		
Designed by: Golam Mohiuddin		Designed date: 20/04/2019		
Executed by: Golam Mohiuddin		Executed date: 21/04/2019		
Short description: If new grade available admin can add new grade.				
Pre-conditions: Admin must be login and there must be new approved grade.				
Step	Action	Response	Pass/Fail	Comment
1	New grade scale not approved from database.	Not grade found.	Fail	
2	Added new grade.	Show the New grade information.	Pass	
Post- conditions: View new grade.				

4.5 Development

4.5.1 Tools and Technology

This system is a web application. Tools and technology I used to build this software are alluded below.

- **Presentation Layer:** HTML5, CSS3, Bootstrap 4, JavaScript, JQuery.
- **Application Layer:** PHP, Laravel 5.8
- **Data Layer:** MySQL.
- **Tools:** Visual Studio Code, Xampp.

4.5.2 Reason behind choosing

- **HTML5:** HTML5 used to make structure of web page.
- **Bootstrap with CSS:** Bootstrap is a css framework and language CSS is a styling.
- **JavaScript with JQuery:** To make presentation layer interactive JavaScript is used and JQuery is its library.
- **Laravel with PHP:** Laravel is a framework of PHP which uses MVC architecture and used for connecting presentation layer with data layer.
- **MySQL:** MySQL is a database to manage and manipulate data to make connection with application layer.
- **VScode and Xampp:** Vscode IDE or text editor uses for coding. And xampp is a control panel to start database server.

Chapter 5: Risk Management

5.1 Software Risk identification

Risk identification is a process that helps keep our project quality better and reduces the risk of a business environment. Determining the risk for a business organization is very important.

When determining the risk, we must evaluate the risk very accurately so that there is no error. To find out the risk score have to know risk probability and risk impact.

Probability of the risk categorized

Probability of the risk		
Certain	5	The risk is almost certain to occur (greater than 80% chance)
Likely	4	The risk is more likely to occur than not (between 51% and 80% chance)
Possible	3	The risk is fairly likely to occur (between 21% and 50% chance)
Unlikely	2	The risk is unlikely but not impossible to occur (between 6% and 20% chance)
Rare	1	The risk is unlikely to occur (<5% chance)

Impact of the risk categorized:

Impact of the risk	
Catastrophic	5
Major	4
Moderate	3
Minor	2
Negligible	1

5.2 Software risk Register

Table 5.2: Software risk register

Risk Id	Risk Description	Impact	Probability	Risk Score
1.	Technical Problem	2	3	6
2.	System that crash	4	2	8
3.	Information security	3	3	9
4.	Misunderstand requirement	4	4	16
5.	Decision are low quality	2	3	6
6.	Decision delays impact project	3	2	6

5.2.1 Software Risk Matrix

Based on this risk register, we can draw a risk matrix where,
Probability on the y-axis
Impact on the x-axis
Risk will be set in matrix according to their score.

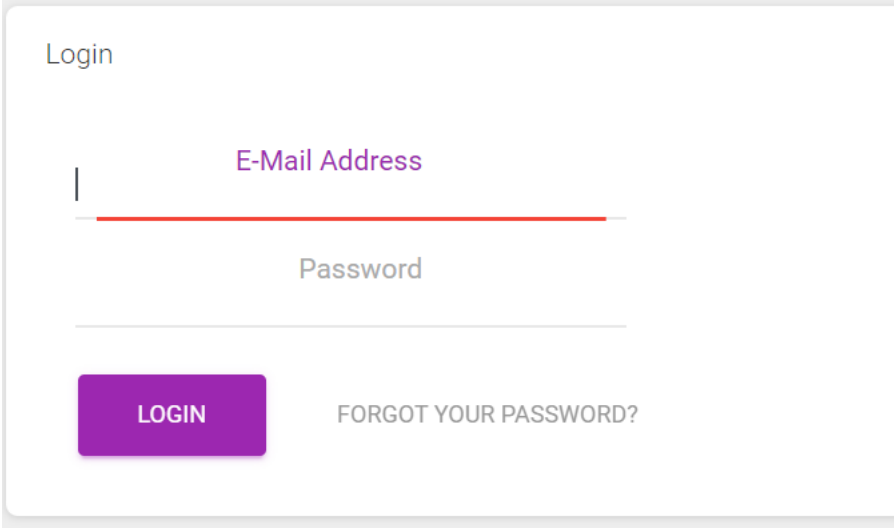
Table 5.2.1: Software risk matrix

Probability/Impact	Negligible(1)	Minor(2)	Moderate(3)	Major(4)	Catastrophic(5)
Certain(5)					
Likely(4)			6	4	
Possible(3)		1,5	3		
Unlikely(2)				2	
Rare(1)					

	15-25 Extreme Risk
	8-12 High Risk
	4-6 Moderate Risk
	1-3 Low Risk

Chapter 6: User Manual

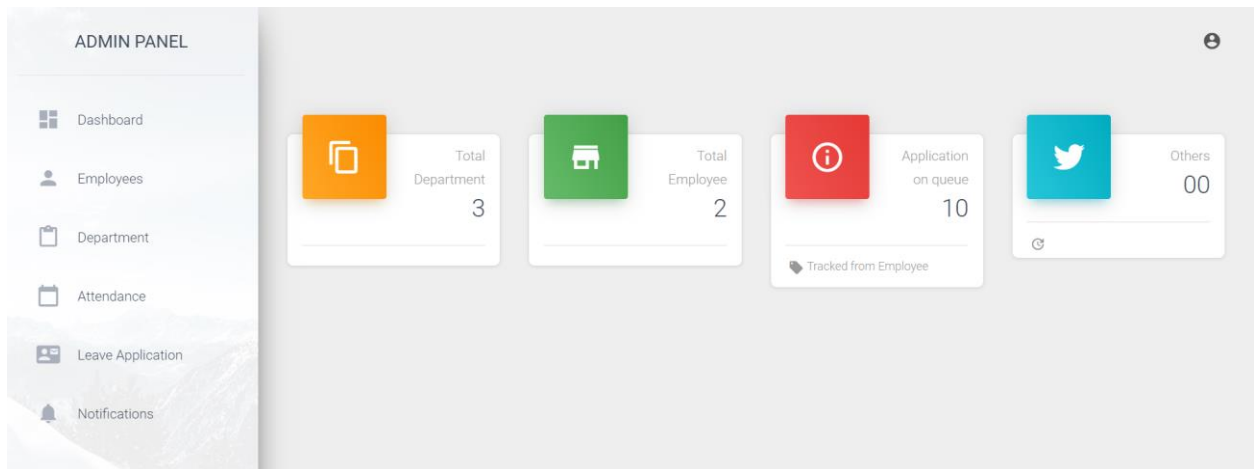
6.1 Admin login page:



The image shows a login form titled "Login" inside a light gray rounded rectangle. It features two input fields: the first is labeled "E-Mail Address" in purple text and has a red underline; the second is labeled "Password" in gray text and has a gray underline. Below the fields, there is a purple "LOGIN" button and a link labeled "FORGOT YOUR PASSWORD?" in gray text.

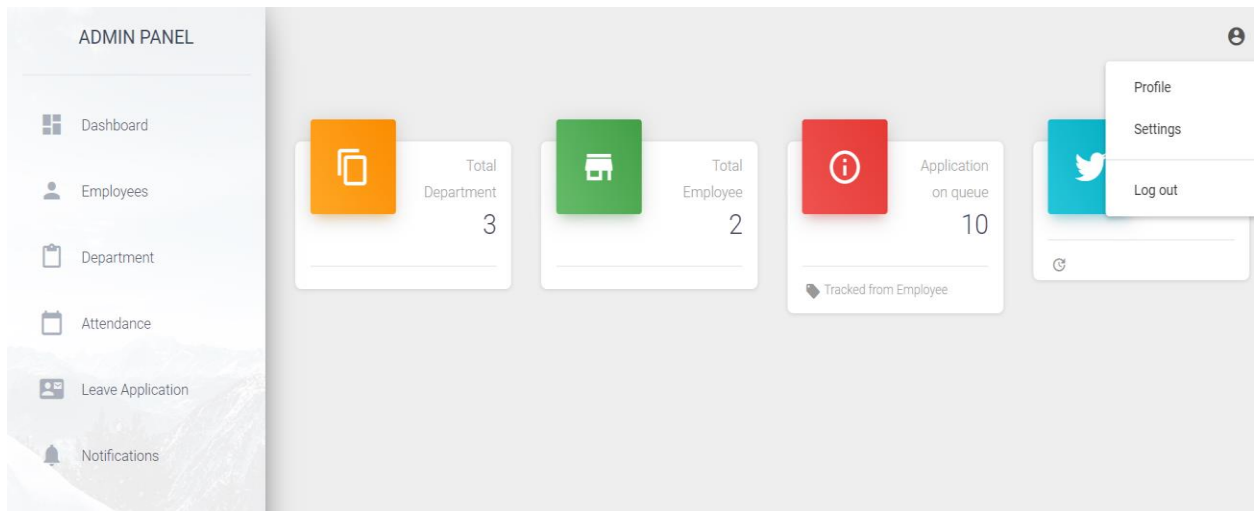
This is admin login page. From where admin can login to the system. The User name and password will be from system or domain.

6.2 Admin dashboard page:



After login the system will redirect admin to dashboard page. From where admin can see the available options in the system.

6.3 Admin dashboard page 2:



This is admin dash board page two. From where with system option and features admin can logout and make settings to system. Options are right corner of the system.

6.4 Add new employee page:

ADMIN PANEL

Dashboard

Employees

Department

Attendance

Leave Application

Notifications

Personal Details

Image No file chosen
Image < 2MB

Employee Name

Father Name

Date of Birth
mm/dd/yyyy

Local Address

Permanent Address

Phone

Company Details

Department Name
IT department

Designation

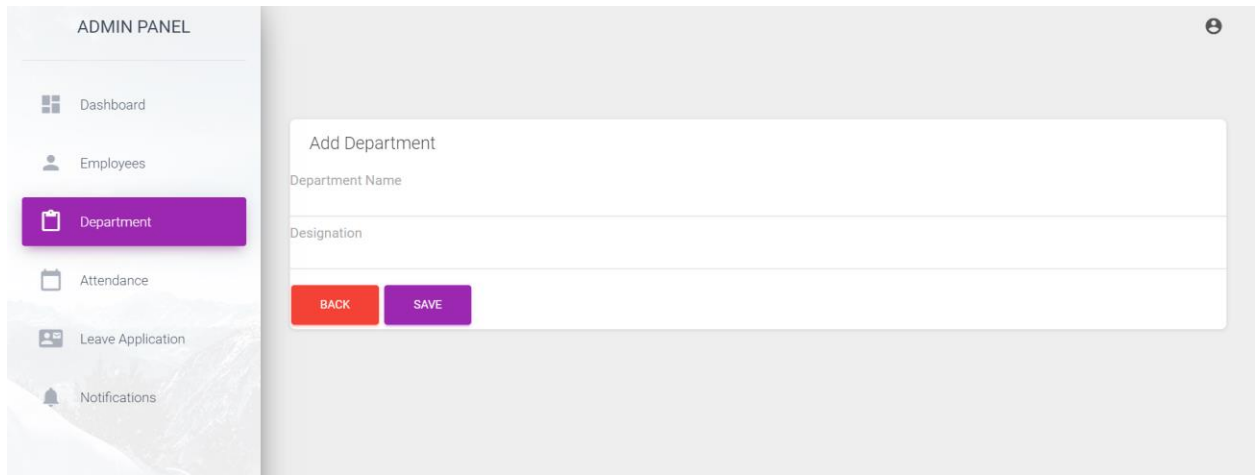
Salary

Join Date
mm/dd/yyyy

Account Number

This 'Add new employee' option from where an admin can entry new employee and his/her Information. If entry a new employee there should need some information of employee like Name, image, dob, address, bank information, department to add. And so other.

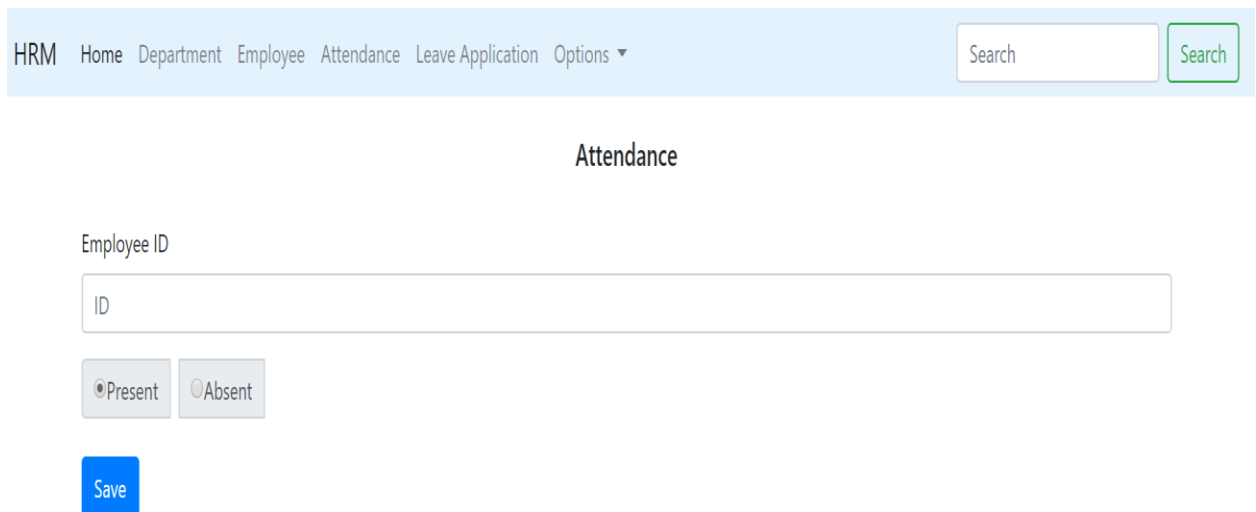
6.5 Add new department page:



The screenshot shows an 'ADMIN PANEL' on the left with a sidebar menu containing 'Dashboard', 'Employees', 'Department' (highlighted in purple), 'Attendance', 'Leave Application', and 'Notifications'. The main content area is titled 'Add Department' and contains two input fields: 'Department Name' and 'Designation'. Below these fields are two buttons: a red 'BACK' button and a purple 'SAVE' button.

By clicking ‘Add new department’ admin can add new department to system is needed.

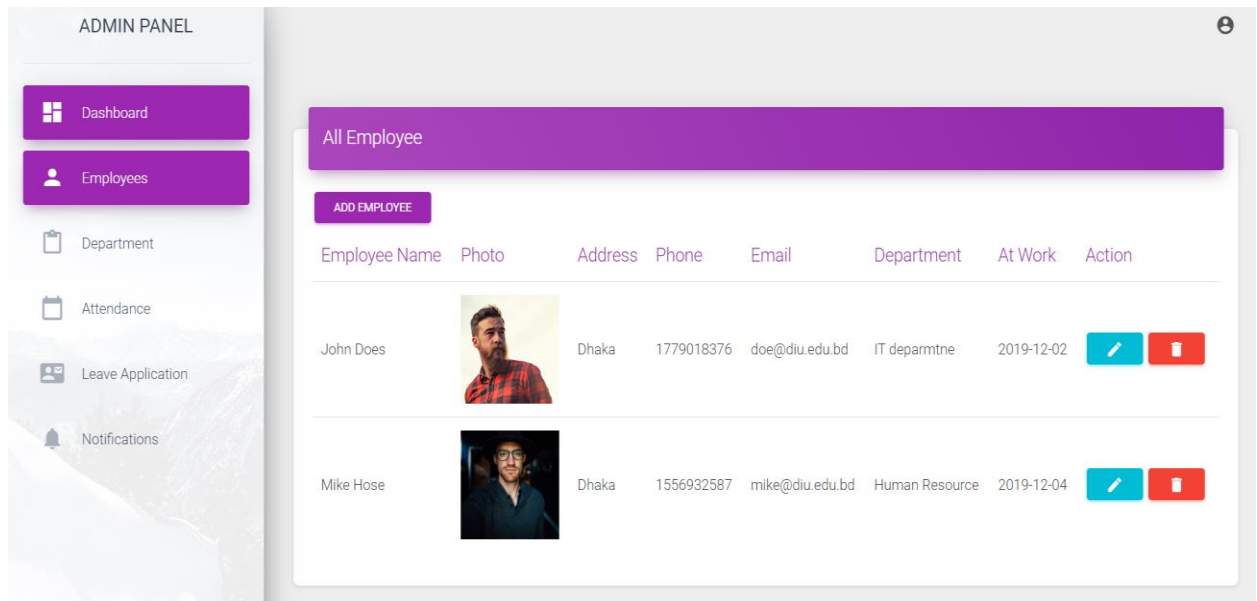
6.6 Add attendance page:



The screenshot shows an 'HRM' header with a navigation bar containing 'Home', 'Department', 'Employee', 'Attendance', 'Leave Application', and 'Options'. A search bar with a 'Search' button is on the right. The main content area is titled 'Attendance' and contains an 'Employee ID' label above a text input field with 'ID' inside. Below the input field are two radio buttons: 'Present' (selected) and 'Absent'. A blue 'Save' button is at the bottom.

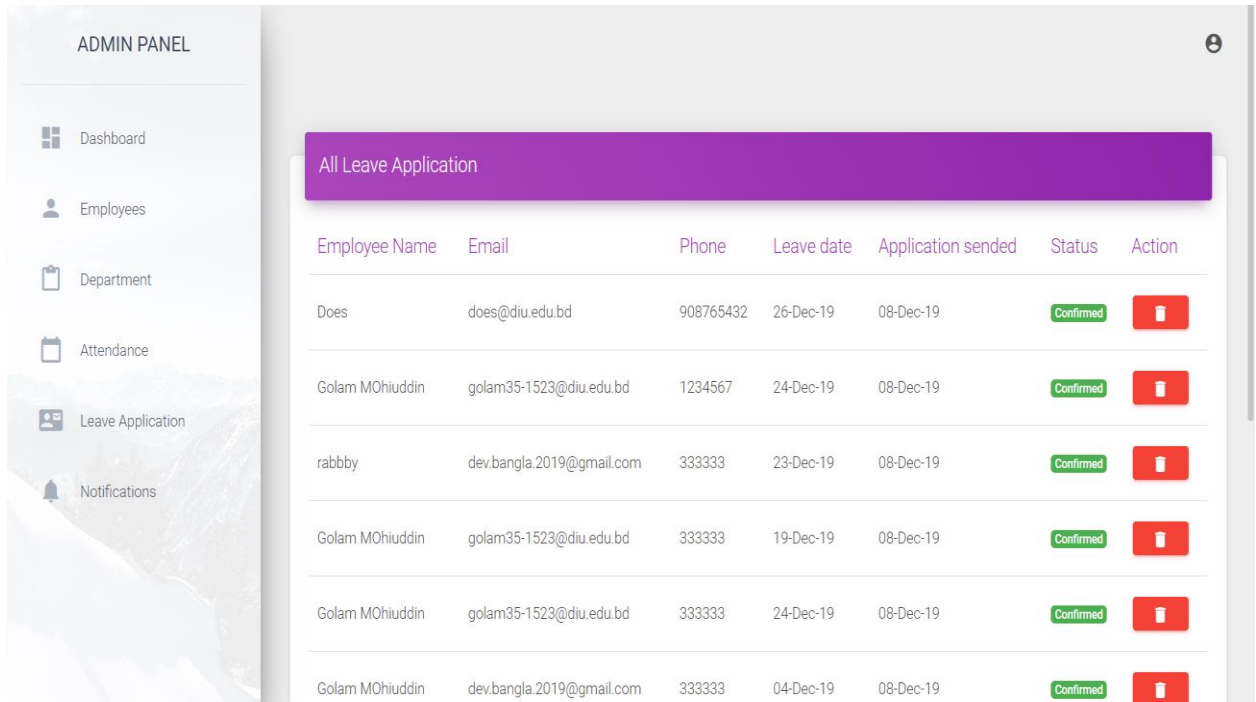
Admin can make attendance of employees of organization by the system. As there is no Scope of finger print attendance so it has to be made manually. Employee ID needed.

6.7 Employee details page:



From employee details page, admin can see all employee information. And also can Delete if an employee left the company. And can edit is any information is need to Be updated.

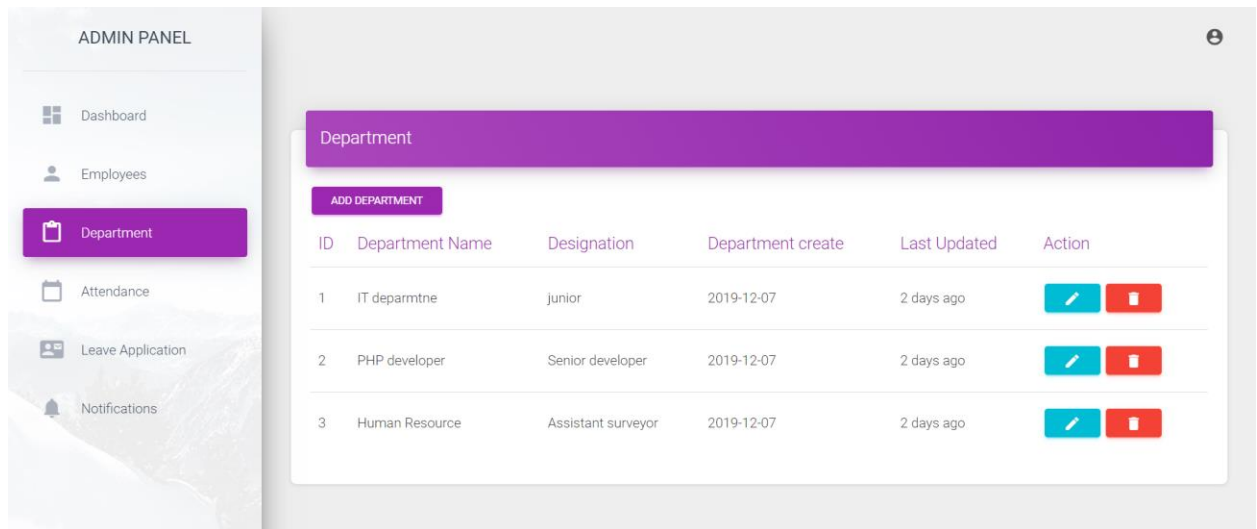
6.8 Leave application page:



Employee Name	Email	Phone	Leave date	Application sented	Status	Action
Does	does@diu.edu.bd	908765432	26-Dec-19	08-Dec-19	Confirmed	
Golam MOhiuddin	golam35-1523@diu.edu.bd	1234567	24-Dec-19	08-Dec-19	Confirmed	
rabbby	dev.bangla.2019@gmail.com	333333	23-Dec-19	08-Dec-19	Confirmed	
Golam MOhiuddin	golam35-1523@diu.edu.bd	333333	19-Dec-19	08-Dec-19	Confirmed	
Golam MOhiuddin	golam35-1523@diu.edu.bd	333333	24-Dec-19	08-Dec-19	Confirmed	
Golam MOhiuddin	dev.bangla.2019@gmail.com	333333	04-Dec-19	08-Dec-19	Confirmed	

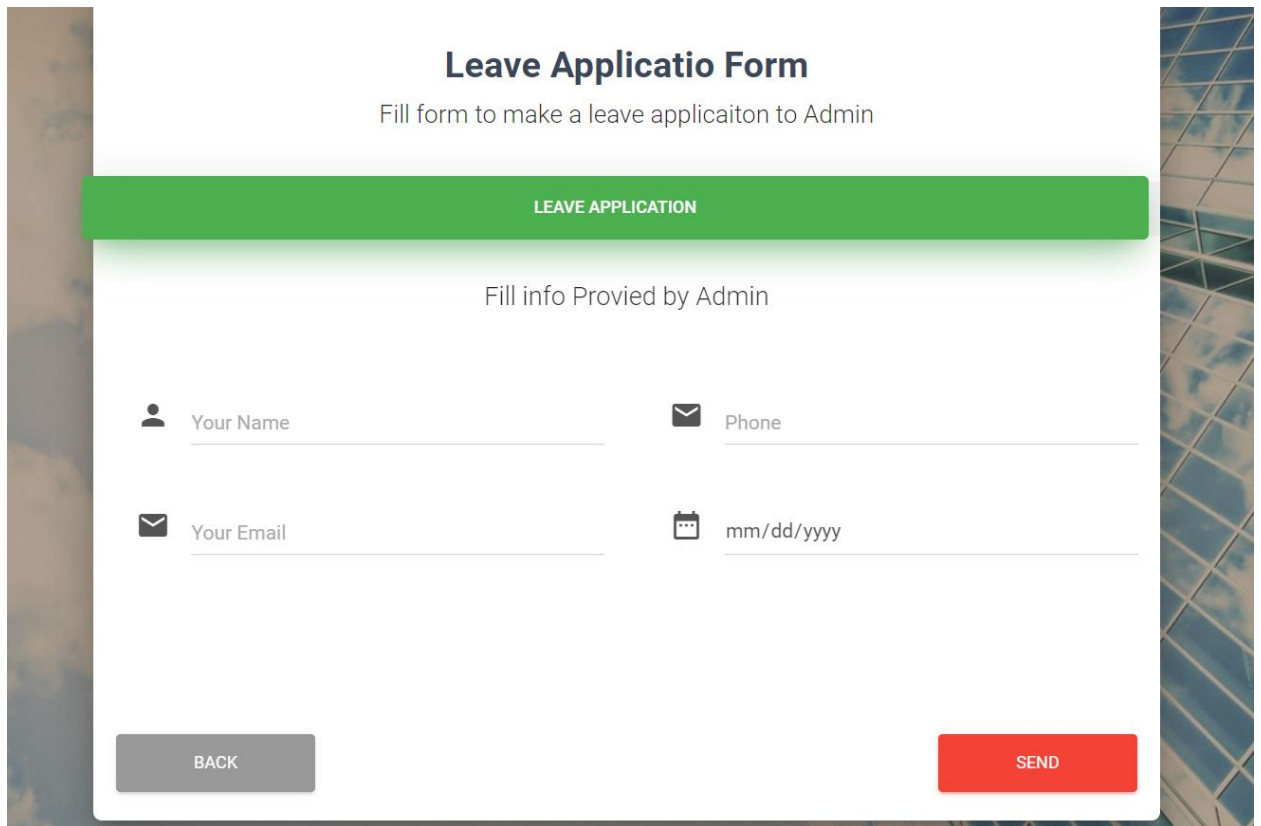
This is all leave application info from employee that comes from employees. Either admin can approve or reject the application. If Admin approve then there will be a confirm message appear both in admin and employee. And a confirmation message will be sent to employee message.

6.9 View department information:



This is department info page. Here all information of all department will be available. If any department need to be update information or delete any department that does not exist any more in organization admin can do it form here.

6.10 View leave application page:



Leave Applicatio Form

Fill form to make a leave applicaiton to Admin

LEAVE APPLICATION

Fill info Provied by Admin

 Your Name  Phone

 Your Email  mm/dd/yyyy

BACK SEND

This is application page. In the system this part will be belongs to employee. By login with employee id an employee can make a leave application to admin. For this employee need to provide name, email, and leave date.

Chapter 7: Conclusion

7.1 Github Link

https://github.com/MohiuddinRabby/HR_management

7.2 Project Summary

I have started the project work from September 2019. I have first discuss to my supervisor then I have done list down the features. After confirming the features then I started the system diagram and database design. After ensure the diagram the diagram and system design of my project then I started the coding part.

After complete the coding part then I am started the testing part. To started testing work I have been taken some idea of testing and that's my supervisor helped me.

7.3 Limitation

I have tried my best to make the application better and fulfill requirements but some of then were not possible make for time shortage.

Payment Method: In my application, there is not having any payment method.

7.4 Future Scope

I think I learned a lot through this project. I would thank them that all the people give me such a nice opportunity and helped me. I think this experience will help me a lot in the future and will support for creating new features.

7.5 References

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