



## **PROJECT REPORT**

### **PAYROLL MANAGEMENT SYSTEM**

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**CSE 3001**

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## ABSTRACT

"Payroll Management System" is one of the core areas of your business. Usually, it is pursued to manage the employees the employee's expenses, Allowances, salary, Gross Salary, Deduction, Tax and many more for a specific time period. Management and Accounting are two main essential parts for payroll.

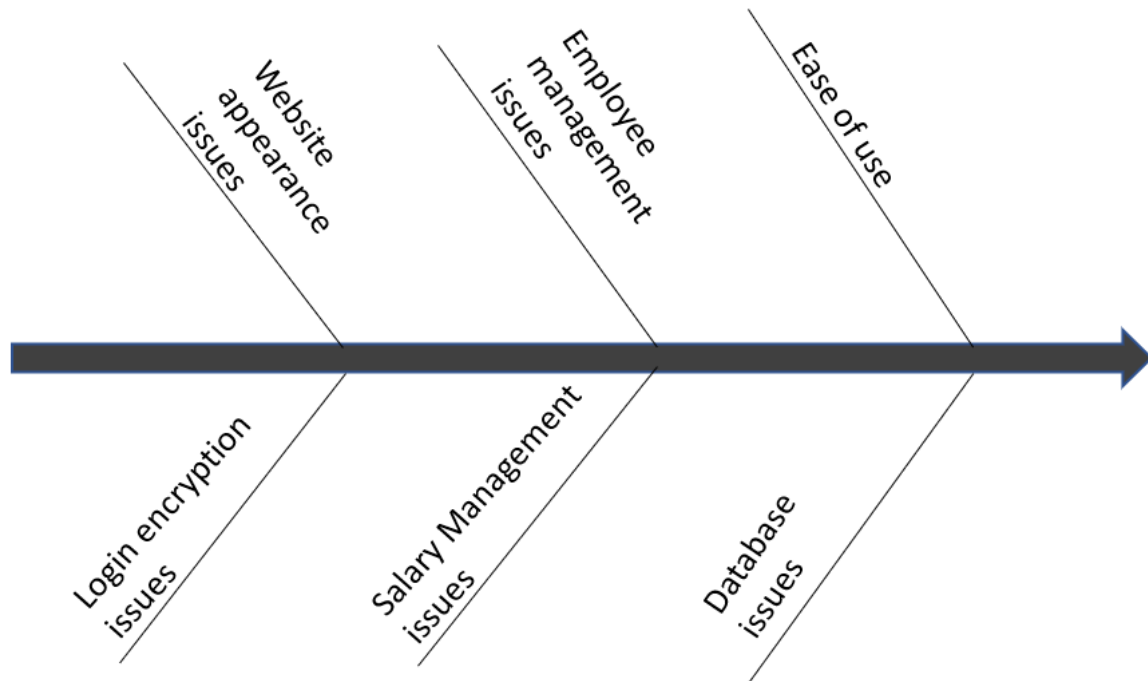
Payroll is an area in which you do not want to take any risk because it leads to some financial and serious legal consequences. Payroll is a serious concern for every small and medium sized enterprises(SME'S). It is mandatory for all business to pay every employees as per the government rules and regulations.

Furthermore, this project will develop for company management and enhance business in market and maintain the prestigious and reputation of the company. Others, this project to facilitate company to handle all the legal process and employee's expenditure properly and systematically.

The aim is to automate its existing manual system by the help of computerised equipments and full fledged computer software, fulfilling their requirements,so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance and better services for the clients.

## PROBLEM ANALYSIS

### FISH BONE DIAGRAM:



### PROBLEM DEFINITION:

This PAYROLL MANAGEMENT SYSTEM will solve the basic problems like the employee management and salary management and also the security or encryption issues for login.

### Here is a simple introduction for the same:

Payroll Management System is basically used to build an application program, that a company uses to manage a record of the employees working in the company. It records the information regarding salaried in detail along with the required details of the employees and the employer.

Only the administration has the legal rights to work with the system. Employees can only log on the system to see their current status. The Payroll Management System deals with the financial aspects of employee's salary, allowances, deductions, gross pay, net pay etc. and generation of pay-slips for a specific

period. The outstanding benefit of Payroll Management System is its easy implementation.

A payroll system is software designed to organize all the tasks of employee payment and the filing of employee taxes. These tasks can include keeping track of hours, calculating wages, withholding taxes and deductions, printing and delivering checks and paying employment taxes to the government.

Payroll software often requires very little input from the employer. The employer is required to input employee wage information and hours— then the software calculates the information and performs withholdings automatically. Most payroll software is automatically updated whenever a tax law changes and will remind employers when to file various tax forms.

## LIST OF USERS:

1. Administrator
2. Employees

## PROBLEM:

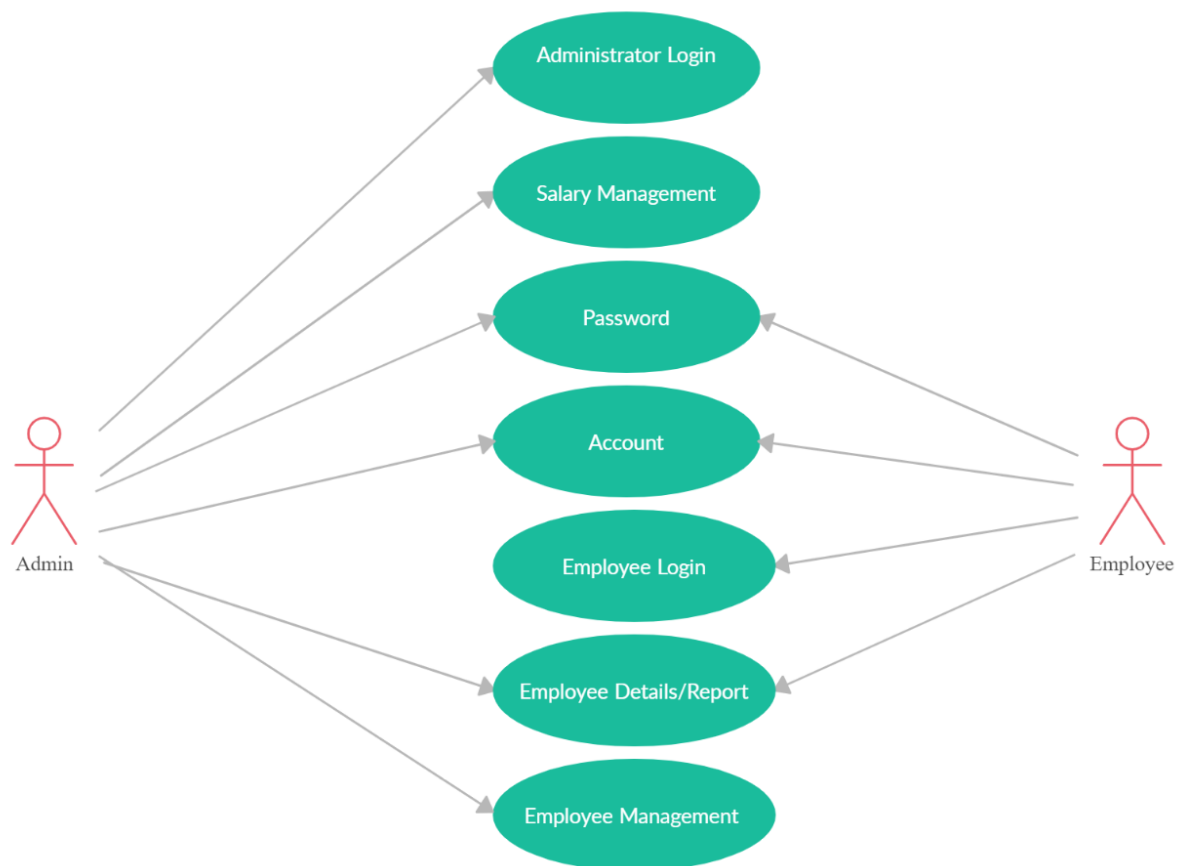
- |                  |  |
|------------------|--|
| • The problem of | Payroll Management system where usually the companies face issues like the efficient management of their employees and their salaries whether it be related to the front end or backend. |
| • Affects        | The employee and the administrator   |
| • And results in | Better and efficient management  |
| • Benefits       | The administrator as well as the employees   |

## CONSTRAINTS:

- HTML
- CSS
- BOOTSTRAP
- MYSQL DATABASE
- XAMPP
- GOOGLE RECAPTCHA API FOR THE LOGIN ENCRYPTION

## BUSINESS MODELLING

### BUSINESS USE CASE DIAGRAM:

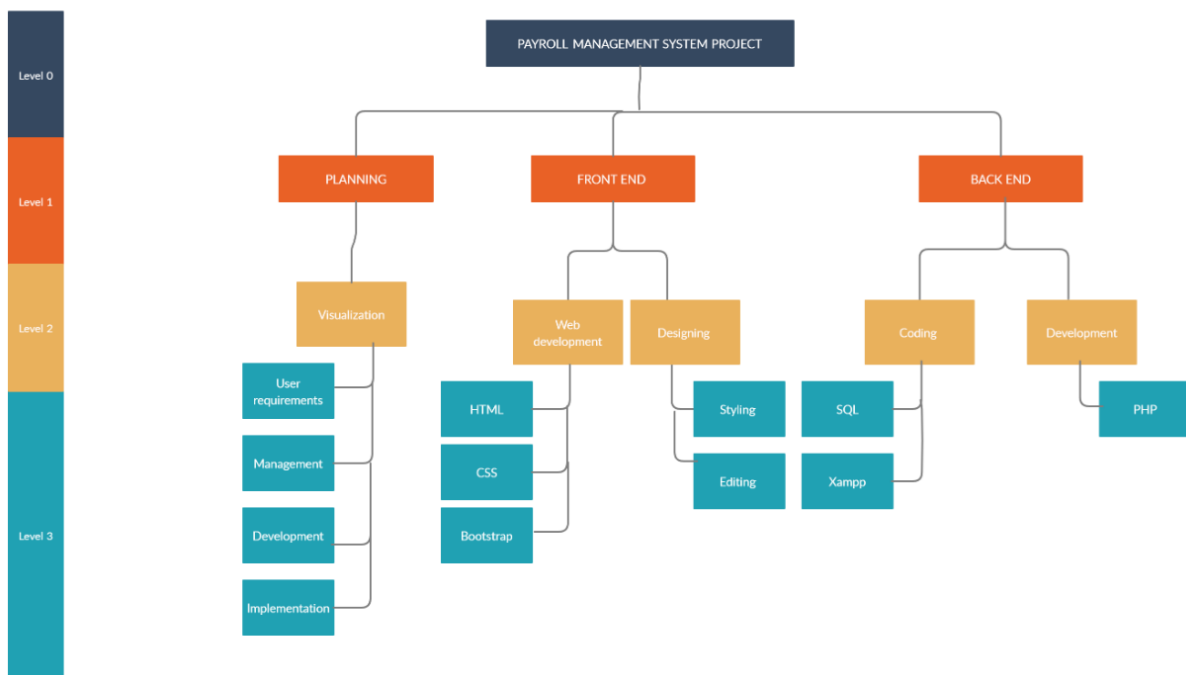


In this business use case diagram the entities like admin login, employee login, employee management , salary management , account, password and reports are included which can be seen in the project execution and the admin and employee access to each one of these entities are also specified as per the conditions.

# WBS AND GANTT CHART

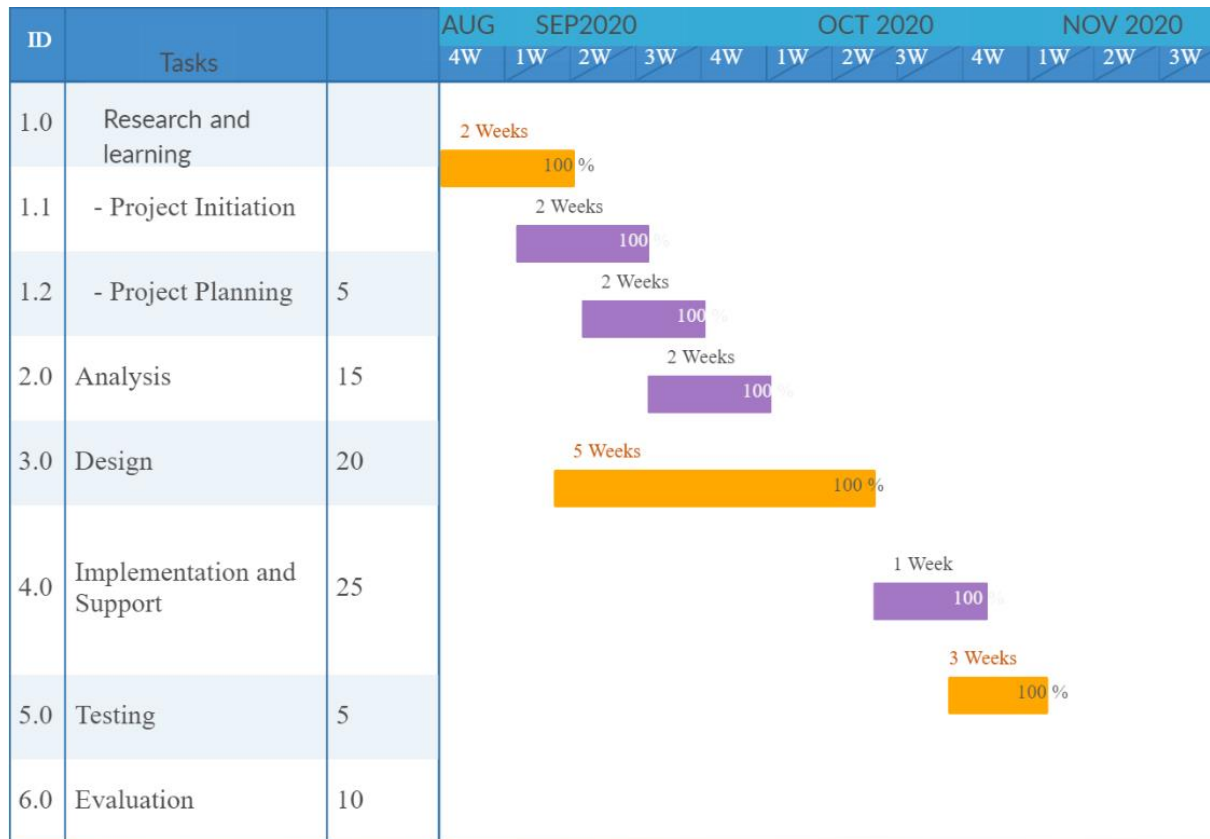
## WBS (WORK BREAKDOWN STRUCTURE):

WORK BREAKDOWN STRUCTURE for ABC Co.



This is the WBS (Work Breakdown Structure) in which I have depicted four levels of planning and execution of the project and three major components in the level 1 i.e. planning , front end and backend. Planning includes the visualization process for the project , the things that is to be there In the project, frontend includes the creation and designing part for the website and backend includes the scripting part for the same using php and mysql database.

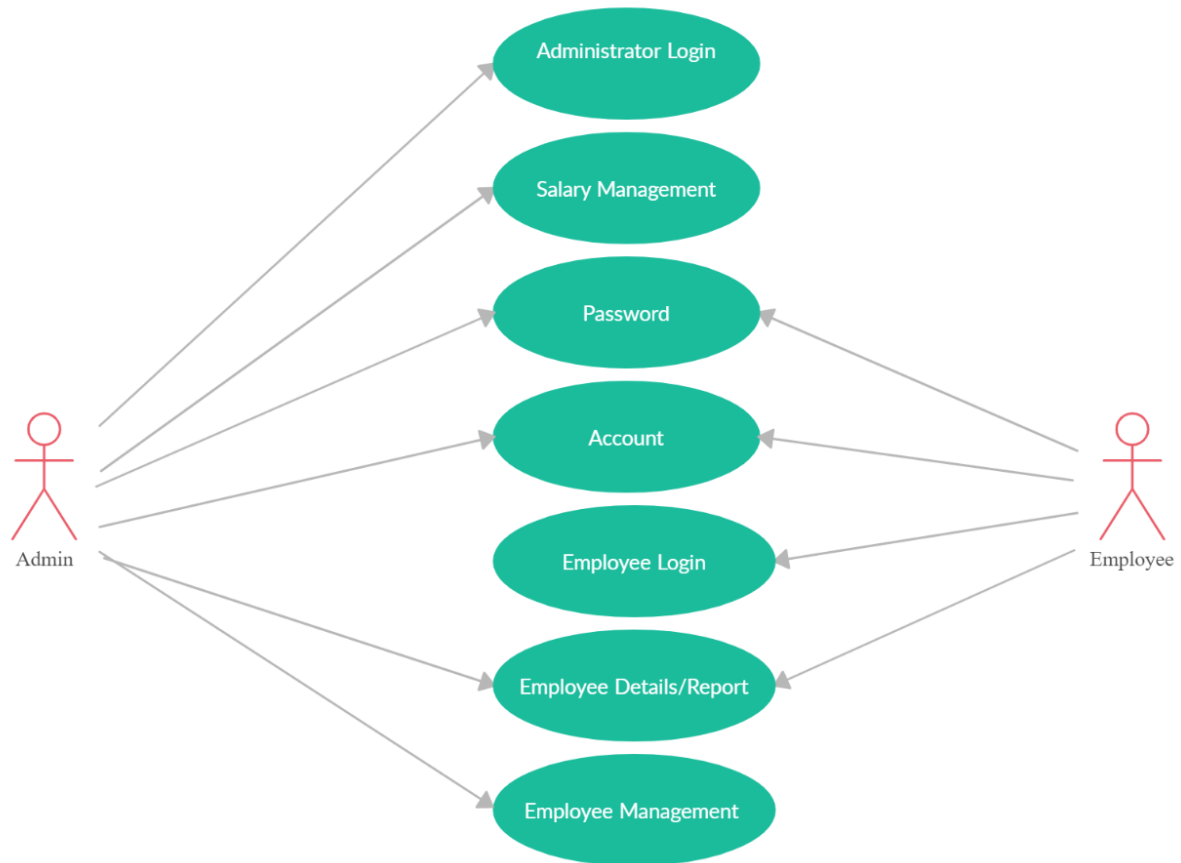
## GANTT CHART:



This is the GANTT CHART which is the basic estimation for the execution of different modules or parts of the project . This primarily includes the time estimation for planning , designing and the implementation of the project in terms of weeks starting from last week of August to first week of November.

## UML DIAGRAMS:

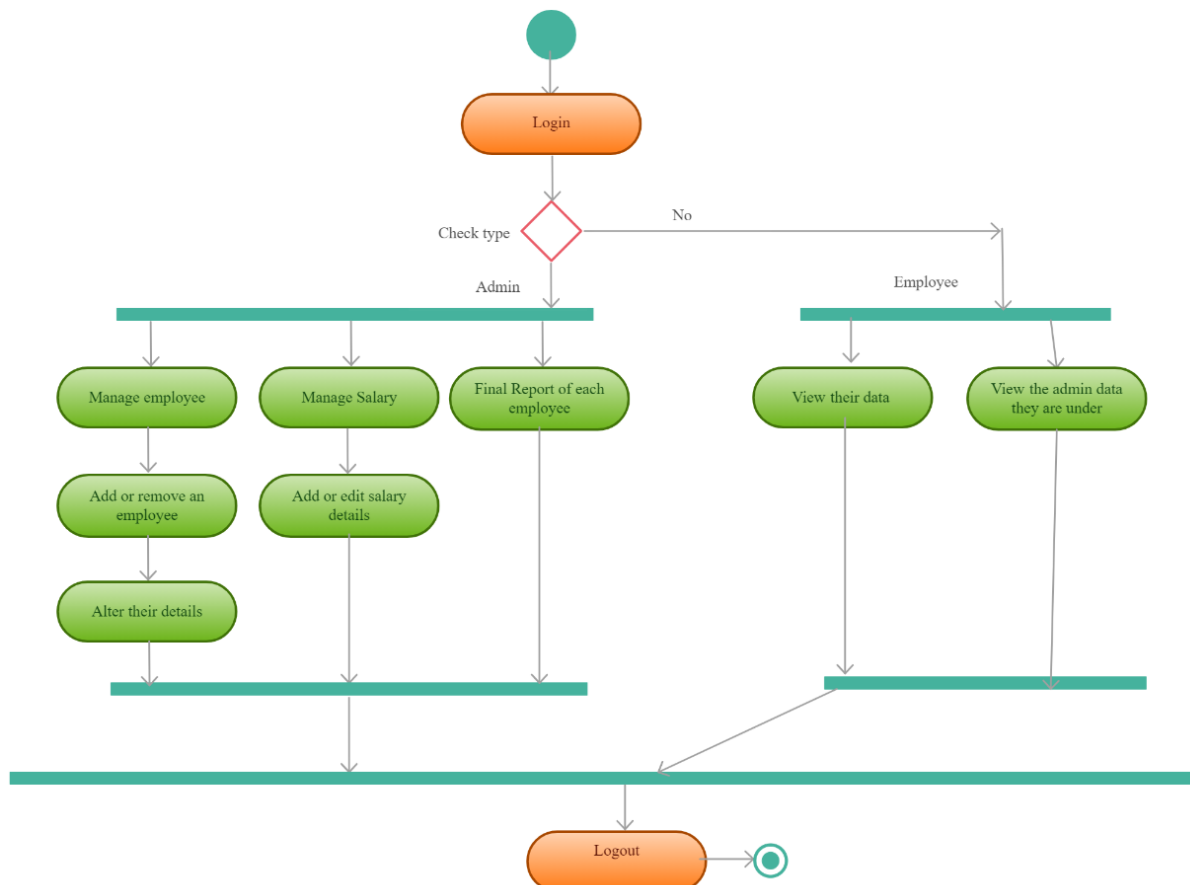
### USE CASE DIAGRAM:



In use case diagram the entities like admin login, employee login, employee management , salary management , account, password and reports are included which can be seen in the project execution and the admin and employee access to each one of these entities are also specified as per the conditions.

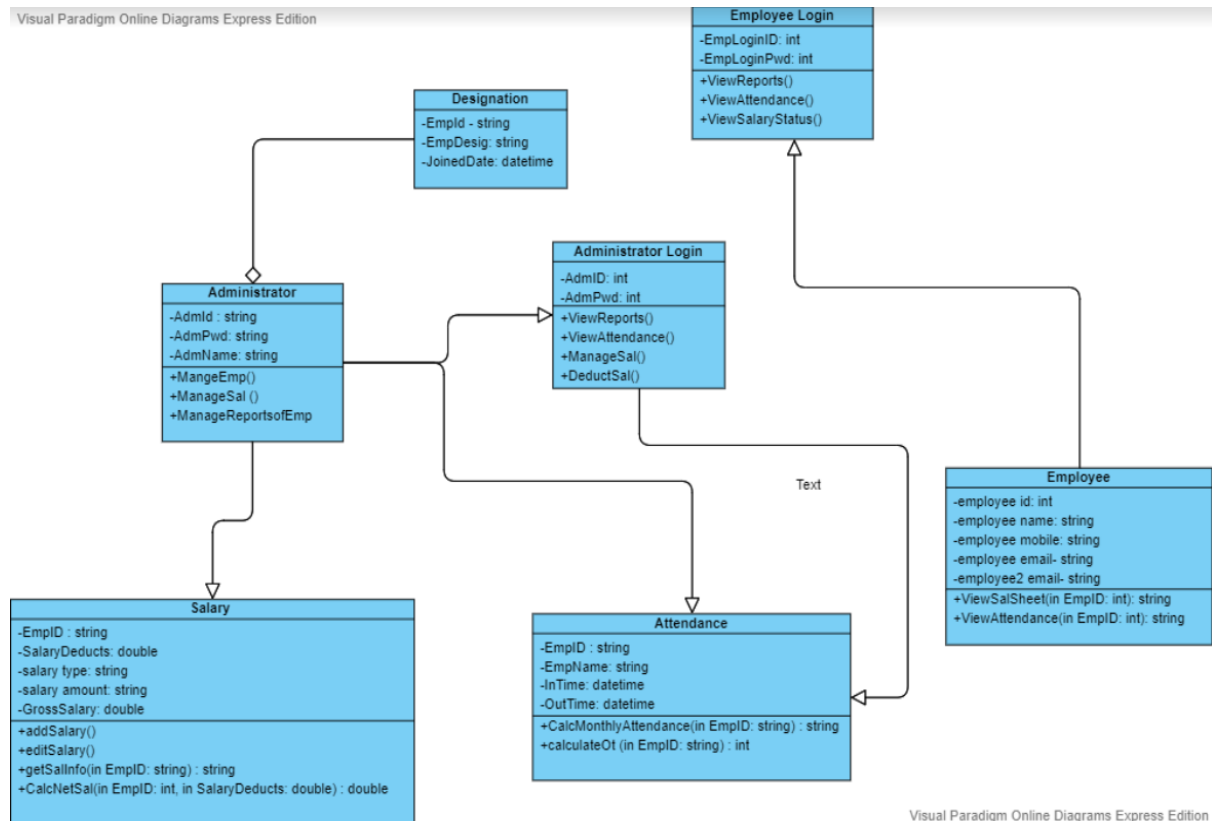


## ACTIVITY DIAGRAM:



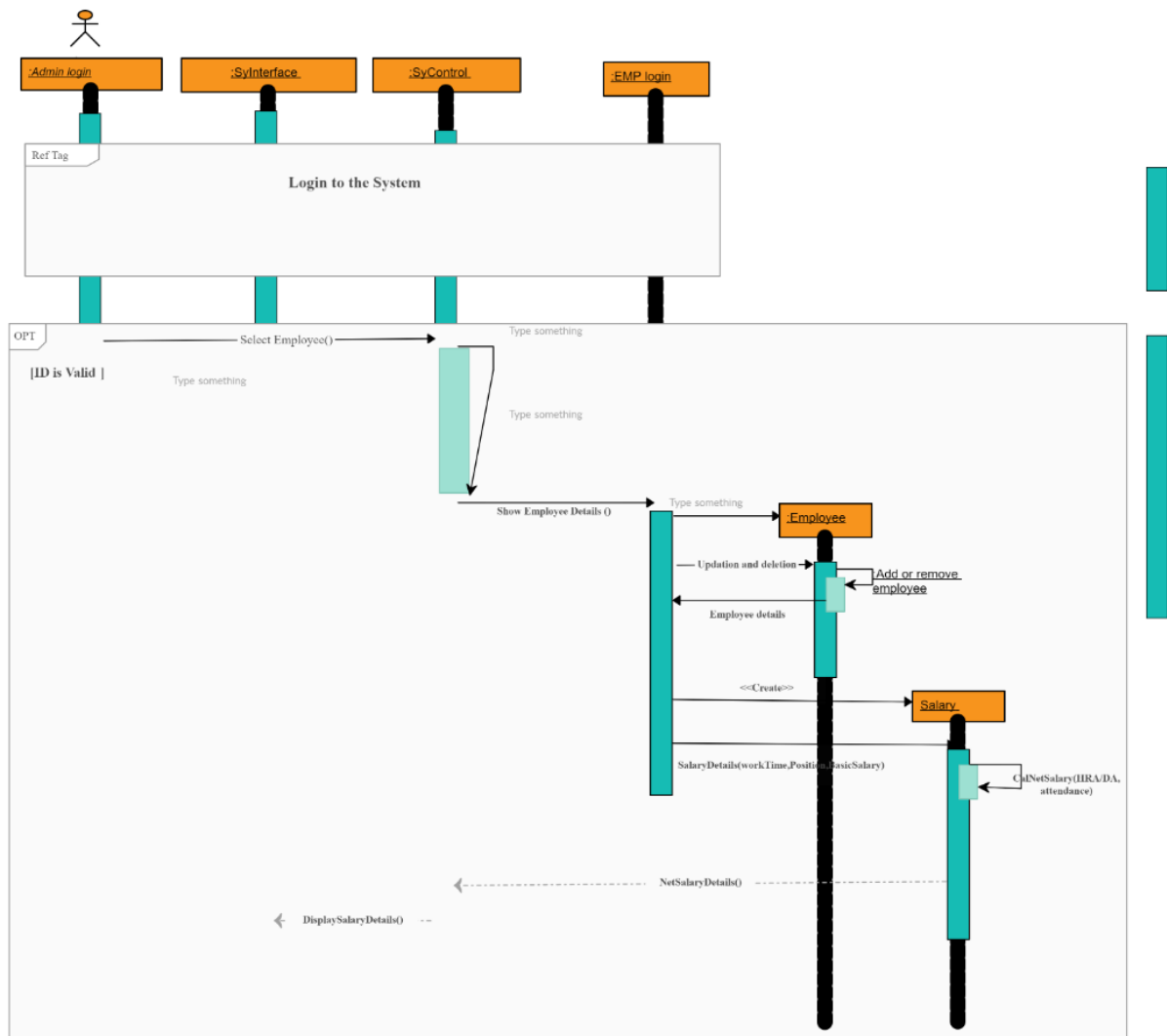
This is the activity diagram for the project- payroll management system which shows the number of activities each one of the admin as well as the employee does in the system in a particular sequence of logging in and logging out like the employee management, salary management and reports viewing.

## CLASS DIAGRAM:



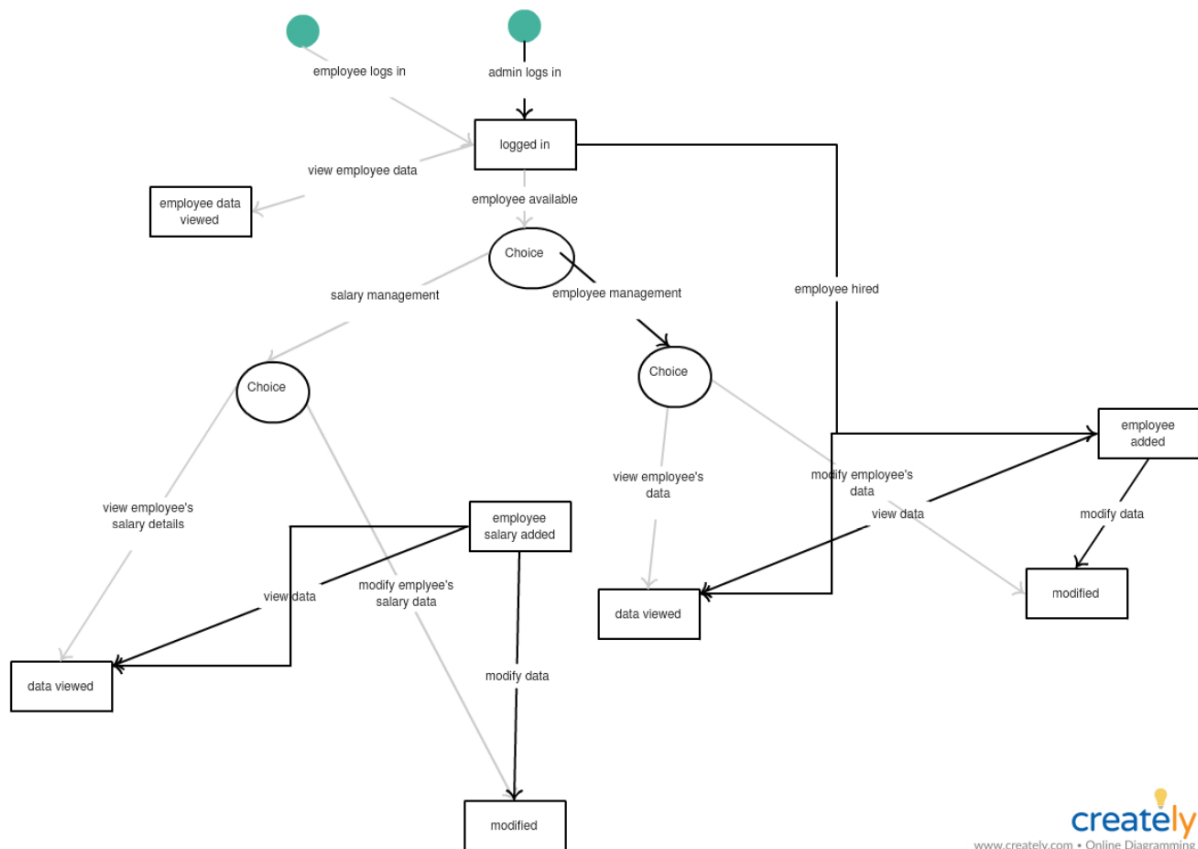
In the class diagram for the project Payroll Management System, there are classes like designation, employee login, admin login, employee and salary which are the primary part of it. These includes the required data types and the function they are linked to. Those functions will be executed when the data types mentioned with them will be passes along.

## SEQUENCE DIAGRAM:



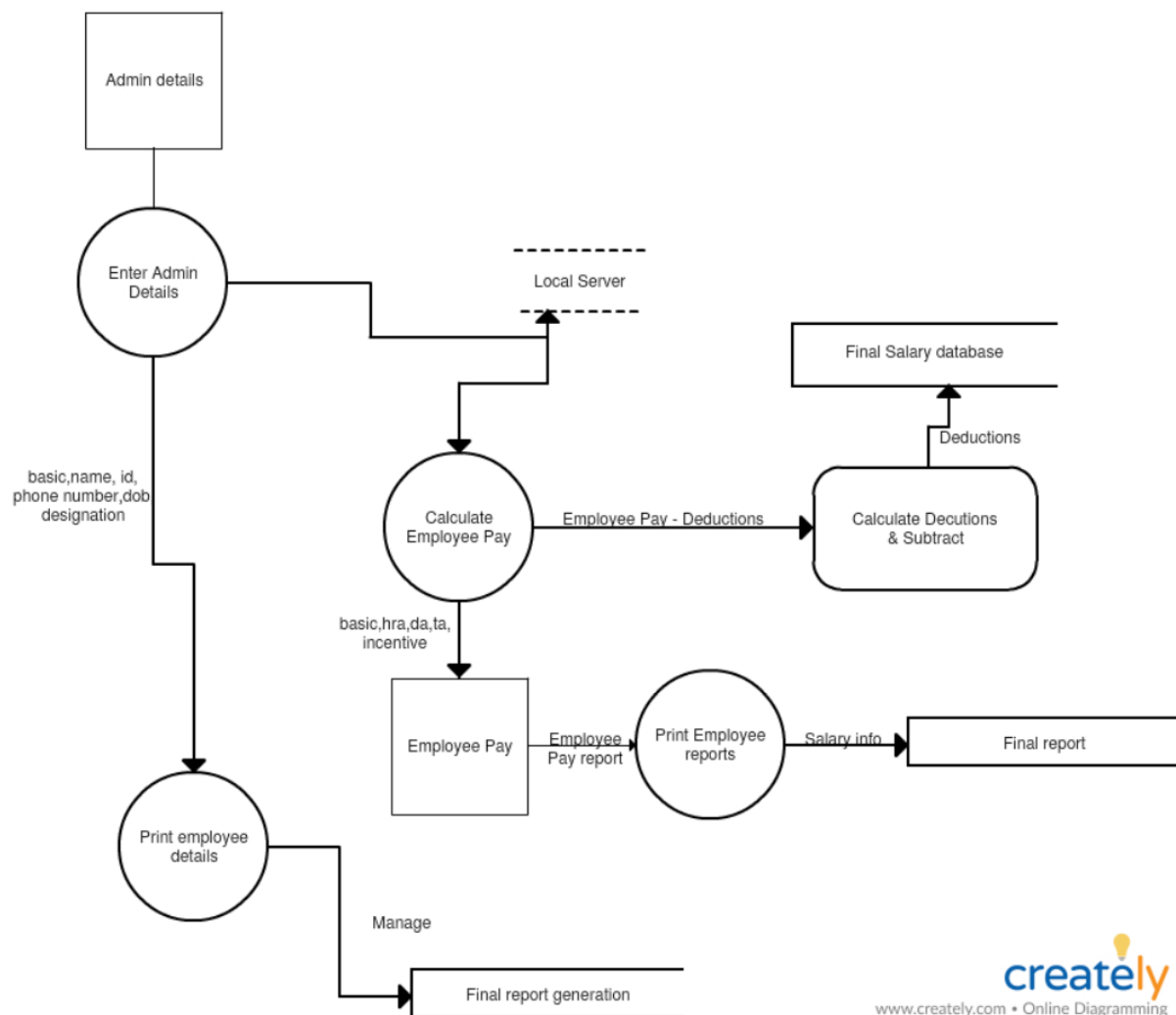
In the sequence diagram shown above its basically the admin login and the employee login which follows a sequence for the whole system. The admin logs in and can then manage all of the employees registered in the database. He can add, remove or edit the employee details as well as he can add or edit the salary details and the employee login shows all of the data related to him.

## STATE TRANSITION DIAGRAM:



In the state transition diagram shown above, there are two logins i.e. admin and employee. Admin logs in can then choose between either employee management or salary management and can alter the data also. In the employee login, they can see all of the information related to them. All of this happens by moving from one state to another state or transitioning between them.

## DATA FLOW DIAGRAM:



In the data flow diagram shown above, the data or the admin or employee credentials are being passed into the system, level by level. The data passed generates a result as per the system requirements which is then being printed for the admin or employee to look for.

## EFFORT ESTIMATION (FPA -> FUNCTION POINT ANALYSIS):

SUMMARY			
1			
2	<b>Instructions</b>		<b>Return</b>
3	<b>Project Identification</b>		
4	Customer Name	Shreyansh Dokania	
5	Project Name	Payroll Management System	
6	Project Code		
7	Analyst		
8	Date	31-10-2020	
9			
10	<b>Summary Estimates</b>		
11	Unadjusted Function Point Count	497	From FP worksheet
12	Processing Complexity Adjustment Factor	1.21	From PCA worksheet
13	Adjusted Function Point Count (AFP)	601	Calculated: (FP*PCA)
14	Calibration Factor (CF)	1	See note
15	Total Function Point Measure (TFP)	601	Calculated: (AFP*CF)
16	Delivery Rate (DR) in FPs/person month		See note
17	Days per person-month (DPM)		See note
18	High Level Effort Estimate (in person-days)		Calculated: (TFP/DR) * DPM
19			
20	<b>Diagnostics</b>		
21	1. Enter project identification data.		
22			
23			
24			
25	5. Enter a delivery rate in FPs/person-month. Delivery rate can not be zero		
26	6. Enter a factor for converting person-months to person-days.		

VALUE ADJUSTMENT FACTOR (VAF)			
1			
2	<b>Instructions</b>		<b>Return</b>
3	General Systems Characteristics	Degree of Influence (0-5)	Description
4	1. Data Communications	4	Significant
5	2. Distributed Processing	4	Significant
6	3. Performance	4	Significant
7	4. Heavily Used Configuration	4	Significant
8	5. Transaction Rates	4	Significant
9	6. Online Data Entry	4	Significant
10	7. Design for End User Efficiency	4	Significant
11	8. Online Update	4	Significant
12	9. Complex Processing	4	Significant
13	10. Usable in Other Applications	4	Significant
14	11. Installation Ease	4	Significant
15	12. Operational Ease	4	Significant
16	13. Multiple Sites	4	Significant
17	14. Facilitate Change	4	Significant
18	Total Degree of Influence (TDI)	56	Calculated (sum of the above)
19	Value Adjustment Factor (VAF)	1.21	Calculated ((TDI*0.01)+0.65)
20			
21	<b>Diagnostics</b>		
22			

1	UNADJUSTED FUNCTION POINT COUNT (FP)					
2	Instructions				Return	
3	Function Type	Functional Complexity	Count	Weight	Function Points (FPs)	FP %
4	Internal Logical Files (ILFs)	Low	0	7	0	34%
5		Average	2	10	20	
6		High	10	15	150	
7	External Interface Files (EIFs)	Low	0	5	0	21%
8		Average	5	7	35	
9		High	7	10	70	
10	External Inputs (EIs)	Low	0	3	0	14%
11		Average	0	4	0	
12		High	12	6	72	
13	External Outputs (EOs)	Low	0	4	0	17%
14		Average	0	5	0	
15		High	12	7	84	
16	External Queries (EQs)	Low	0	3	0	13%
17		Average	0	4	0	
18		High	11	6	66	
19	Total Unadjusted Function Point Count				497	100%
20						
21	Diagnostics					

1	INTERNAL LOGICAL FILES (ILFs)					
2	Instructions		Insert New Row			Return
3		# of DETs	# of RETs	Complexity		Notes and Assumptions
4	List of files			Low	Average	
5		22	6	0	0	1
6		32	7	0	0	1
7		25	8	0	0	1
8		24	7	0	0	1
9		32	6	0	0	1
10		21	7	0	0	1
11		28	7	0	0	1
12		36	7	0	0	1
13		23	6	0	0	1
14		29	6	0	0	1
15		24	5	0	1	0
16		23	5	0	1	0
17	Summary			0	2	10

1	EXTERNAL INTERFACE FILES (EIFs)					
2	Instructions		Insert New Row			Return
3		# of DETs	# of RETs	Complexity		Notes and Assumptions
4	List of files			Low	Average	
5		34	4	0	1	0
6		23	5	0	1	0
7		32	6	0	0	1
8		25	6	0	0	1
9		32	7	0	0	1
10		23	6	0	0	1
11		32	5	0	1	0
12		32	5	0	1	0
13		27	6	0	0	1
14		24	7	0	0	1
15		29	5	0	1	0
16		26	8	0	0	1
17	Summary			0	5	7

1	EXTERNAL INPUTS (EIs)					
2	Instructions		Insert New Row			Return
3		# of	# of	Complexity		Notes and Assumptions
4	List of inputs	DETs	FTRs	Low	Average	
5		43	3	0	0	1
6		44	8	0	0	1
7		43	7	0	0	1
8		45	8	0	0	1
9		41	3	0	0	1
10		34	6	0	0	1
11		49	3	0	0	1
12		36	7	0	0	1
13		33	3	0	0	1
14		48	5	0	0	1
15		32	6	0	0	1
16		43	6	0	0	1
17	Summary			0	0	12

1	EXTERNAL OUTPUTS (EOs)						
2	Instructions		Insert New Row			Return	
3	List of Outputs	# of DETs	# of FTRs	Complexity		Notes and Assumptions	
4				Low	Average		High
5		44	8	0	0	1	
6		43	7	0	0	1	
7		45	8	0	0	1	
8		41	3	0	0	1	
9		34	6	0	0	1	
10		49	3	0	0	1	
11		36	7	0	0	1	
12		33	3	0	0	1	
13		48	5	0	0	1	
14		32	6	0	0	1	
15		43	6	0	0	1	
16		32	6	0	0	1	
17	Summary			0	0	12	

1	EXTERNAL QUERIES (EQs)										
2	Instructions		Insert New Row					Return			
3	List of Queries	Input Side			Output Side			Complexity			Notes and Assumptions
4		# of DETs	# of FTRs	Cmplxty	# of DETs	# of FTRs	Cmplxty	Low	Average	High	
5		43	3	High	43	3	High	0	0	1	
6		34	3	High	34	3	High	0	0	1	
7		43	7	High	43	7	High	0	0	1	
8		23	3	High	23	3	High	0	0	1	
9		23	4	High	23	4	High	0	0	1	
10		54	5	High	54	5	High	0	0	1	
11		23	7	High	23	7	High	0	0	1	
12		32	6	High	32	6	High	0	0	1	
13		34	7	High	34	7	High	0	0	1	
14		29	6	High	29	6	High	0	0	1	
15		45	9	High	45	9	High	0	0	1	
16	Summary							0	0	11	






















## TEST CASES

### TEST CASES FOR THE LOGIN FORM:

TEST NO.	DATA INPUT (id, password)	EXPECTED OUTPUT	ACTUAL OUTPUT	STATUS
Test1	15,0	Logged in	Logged in	Successful
Test2	25,3	Logged in	INVALID DETAILS	Fail
Test3	35,4	Logged in	INVALID DETAILS	Fail
Test4	45,3	Logged in	Logged in	Successful
Test5	55,44	Logged in	Logged in	Successful
Test6	65,12	Logged in	Logged in	Successful

### ACTUAL DATABASE TO VERIFY:

+ Options

						aid	id	pswd	role	
<input type="checkbox"/>		Edit		Copy		Delete	102	15	0	b
<input type="checkbox"/>		Edit		Copy		Delete	201	25	1	b
<input type="checkbox"/>		Edit		Copy		Delete	101	35	2	b
<input type="checkbox"/>		Edit		Copy		Delete	202	45	3	b
<input type="checkbox"/>		Edit		Copy		Delete	201	55	44	b
<input type="checkbox"/>		Edit		Copy		Delete	101	65	12	a

## MANUAL TEST CASES:

	A	B	C	D	E
1		<b>Project Name:</b>	Payroll Management System	<b>Test Designed by:</b>	Shreyansh Dokania (19BCE1764)
2		<b>Module Name:</b>		<b>Test Designed date:</b>	24-10-2020
3		<b>Release Version:</b>		<b>Test Executed by:</b>	
4				<b>Test Execution date:</b>	
5					
6	<b>Pre-condition</b>	all the modules should be working fine for all of the webpages			
7	<b>Dependencies:</b>				
8	<b>Test Priority</b>				
9					
10	<b>Test Case#</b>	<b>Test Title</b>	<b>Test Summary</b>	<b>Test Steps</b>	<b>Test Data</b>
11	#1	login	Login verification	step1	payroll management system website
12				step2	id and password
13				step3	login button
14	#2	manage salary	Employee salary management	step1	salary management form
15				step2	basic, medical allowance , hra , ta , da , incentive
16	#3	manage employee	employee data management	step1	employee management form
17				step2	emp id,emp name,dob,ph no,desig,basic
18	#4	account information	account information display	step1	display web page
19	#5	logout	user logged out	step1	logout button
20					
21					

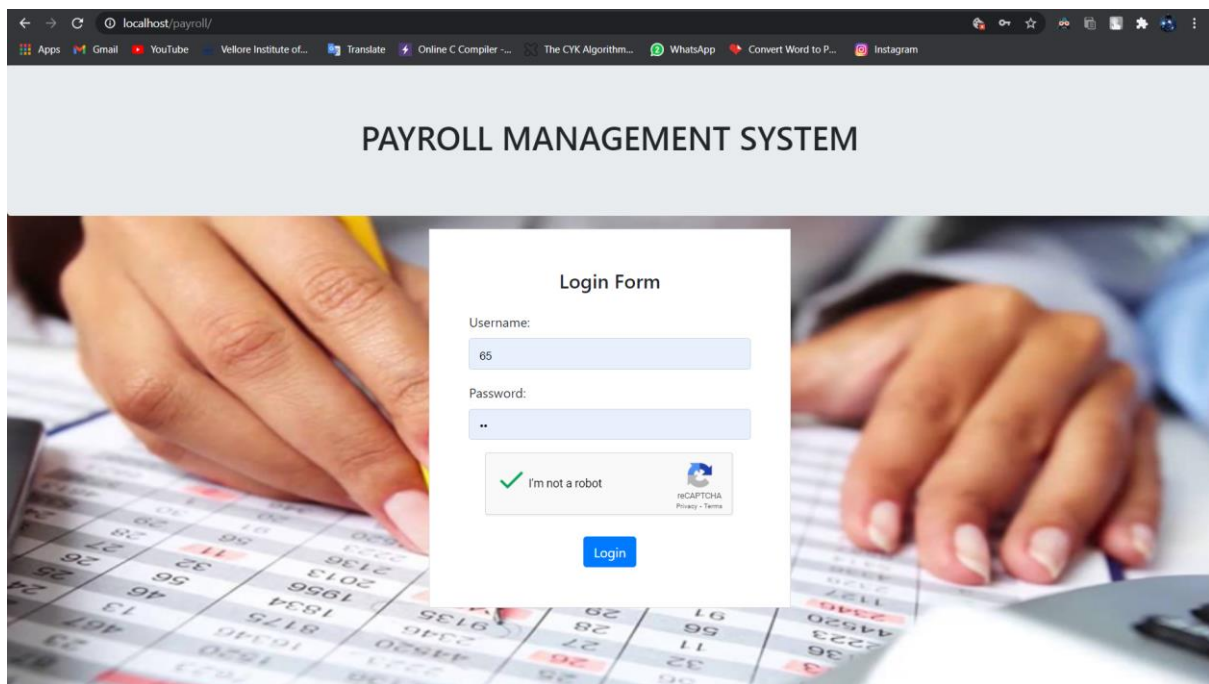
	Expected Result	Post-condition	Actual Result	Status	Notes
10					
11	the system should display the login page	the login page should be connected to the database	system had displayed the login page	successful	
12	the system should accept the login data	the employee or the admin login data must exist in the database	system had accepted the login data	successful	
13	system should login the user	login data entered should be valid	logged in	successful	
14	salary management page should be displayed	should be connected to the database	salary managemt page has been displayed	successful	
15	system should accept the data entered	database should be well connected with the webpage	data inserted	successful	
16	employee management page should be displayed	should be connected to the database	employee managemt page has been displayed	successful	
17	system should accept the data entered	database should be well connected with the webpage	data inserted	successful	
18	employee account information should be displayed	webpage should fetch all of the entered data from the database	employee account information has been displayed	successful	
19	system should log out the user	no conditions required at this point	logged out	successful	
20					
21					

## FINAL PROJECT SCREENSHOTS:

WE HAVE FIVE EMPLOYEE LOGIN IDS AND ONE ADMIN ID:

THIS ONE IS THE ADMIN LOGIN:

I HAVE ADDED THE GOOGLE RECAPTCHA FOR EDXTRA SECURITY IN LOGIN:




PAYROLL MANAGEMENT SYSTEM

Login Form

Username:  
65

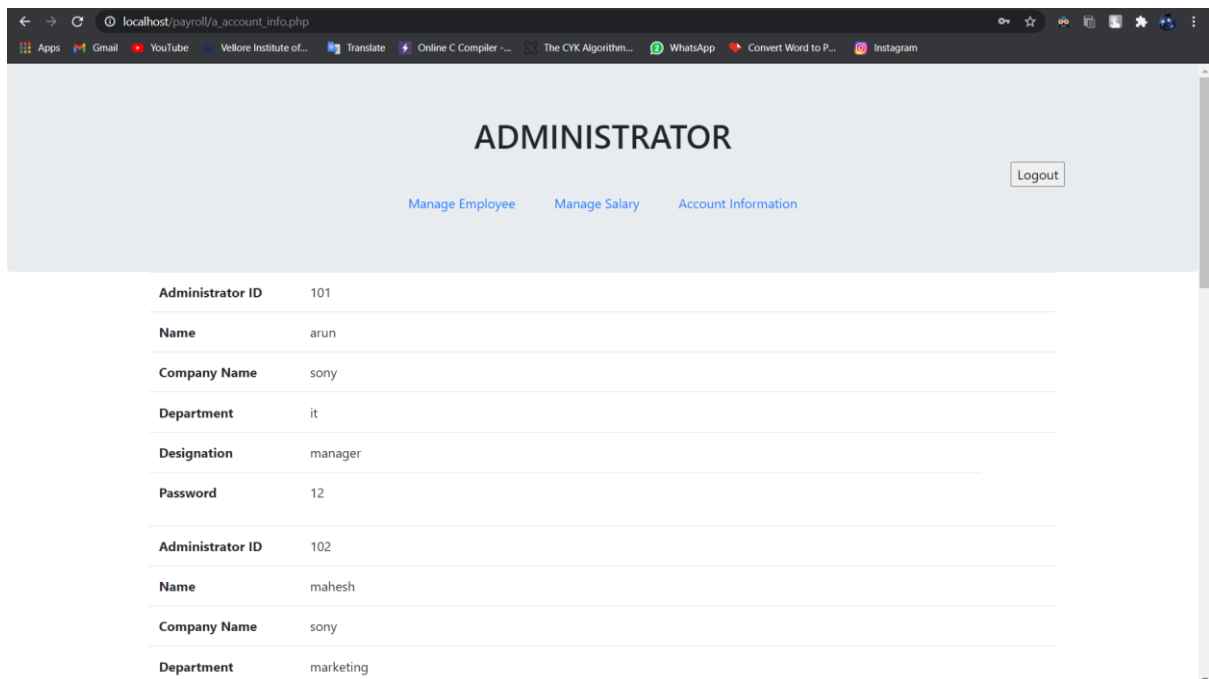
Password:  
..

☒ I'm not a robot

 [Privacy - Terms](#)

Login

LOGOUT BUTTON IS IN THE RIGHT CORNER:



ADMINISTRATOR

Logout

[Manage Employee](#) [Manage Salary](#) [Account Information](#)

Administrator ID	101
Name	arun
Company Name	sony
Department	it
Designation	manager
Password	12
Administrator ID	102
Name	maresh
Company Name	sony
Department	marketing

## MANAGE EMPLOYEE:

localhost/payroll/manage\_employee.php

ADMINISTRATOR

Logout

[Manage Employee](#) [Manage Salary](#) [Account Information](#)

Insert

Employee ID	Employee Name	Date of Birth	Phone Number	Designation	Basic	Update	Delete
15	aditya	1995-04-14	942727265	dgm	55000	Update	Delete
25	tanya	1995-10-29	887958981	agm	45000	Update	Delete
35	surya	1998-10-21	987958977	am	55000	Update	Delete
45	rishabh	1995-07-04	887558963	gm	75000	Update	Delete
55	anish	1995-01-18	940850256	gm	40000	Update	Delete


## INSERT:

localhost/payroll/manage\_employee.php

Logout

Employee ID:

Employee Name:

Date of Birth:  
 

Phone Number:

Designation:

Basic:

Employee ID	Employee Name
15	aditya
25	tanya
35	surya
45	rishabh
55	anish

Basic	Update	Delete
55000	Update	Delete
45000	Update	Delete
55000	Update	Delete
75000	Update	Delete
40000	Update	Delete

## AFTER PRESSING THE DELETE BUTTON:

The screenshot shows the Administrator interface with a table of employees. The table has columns for Employee ID, Employee Name, Date of Birth, Phone Number, Designation, Basic, Update, and Delete. The data is as follows:

Employee ID	Employee Name	Date of Birth	Phone Number	Designation	Basic	Update	Delete
15	aditya	1995-04-14	942727265	dgm	55000	Update	Delete
35	surya	1998-10-21	987958977	am	55000	Update	Delete
45	rishabh	1995-07-04	887558963	gm	75000	Update	Delete
55	anish	1995-01-18	940850256	gm	40000	Update	Delete

## AFTER PRESSING THE UPDATE BUTTON:

ANY DATA CAN BE CHANGED AND WHEN PRESSED THE UPDATE BUTTON IT WILL BE UPDATED:

The screenshot shows the Administrator interface with a table of employees. The table has columns for Employee ID, Employee Name, Date of Birth, Phone Number, Designation, Basic, Update, and Delete. The data is as follows:

Employee ID	Employee Name	Date of Birth	Phone Number	Designation	Basic	Update	Delete
15	aditya	1995-04-14	942727265	dgm	55000	Update	Delete
35	surya	1998-10-21	987958977	am	55000	Update	Delete
45	rishabh	1995-07-04	887558963	gm	75000	Update	Delete
55	anish	1995-01-18	940850256	gm	40000	Update	Delete

An update modal is open, showing the following fields:

- Employee ID: 15
- Employee Name: aditya
- Date of Birth: 14-04-1995
- Phone Number: 942727265
- Designation: dgm
- Basic: 55000

Buttons: Update, Cancel

## MANAGE SALARY:

localhost/payroll/manage\_salary.php

ADMINISTRATOR

Logout

[Manage Employee](#) [Manage Salary](#) [Account Information](#)

Insert

Basic	Medical Allowance	HRA	TA	DA	Incentive	Edit
25000	5000	2500	1000	1500	500	Edit
40000	5000	3000	1500	1800	800	Edit
45000	6500	4000	1500	1900	1000	Edit
55000	7500	5000	5500	1000	500	Edit
75000	9500	8000	2500	4000	2500	Edit

## INSERT:

localhost/payroll/manage\_salary.php

Logout

Basic:  
Enter basic

Medical Allowance:  
Enter medical allowance

HRA:  
Enter HRA

TA:  
Enter TA

DA:  
Enter DA

Incentive:  
Enter incentive

Insert Cancel

Basic	Medical Allowance	HRA	TA	DA	Incentive	Edit
25000	5000	2500	1000	1500	500	Edit
40000	5000	3000	1500	1800	800	Edit
45000	6500	4000	1500	1900	1000	Edit
55000	7500	5000	5500	1000	500	Edit
75000	9500	8000	2500	4000	2500	Edit

AFTER PRESSING THE EDIT BUTTON:

ANY DATA CAN BE CHANGED AND WHEN PRESSED THE UPDATE BUTTON IT WILL BE UPDATED:

The screenshot shows a web browser at `localhost/payroll/manage_salary.php`. A modal form is open for editing salary details. The form contains the following fields:

- Basic: 25000
- Medical Allowance: 5000
- HRA: 2500
- TA: 1000
- DA: 1500
- Incentive: 500

At the bottom of the modal are "Update" and "Cancel" buttons. In the background, two tables are visible:

Basic	Medical Allowance
25000	5000
40000	5000
45000	6500
55000	7500
75000	9500

Incentive	Edit
500	Edit
800	Edit
1000	Edit
500	Edit
2500	Edit

ACCOUNT INFORMATION:

THIS SHOWS ALL OF THE DATA OF ALL THE REGISTERED EMPLOYEES:

The screenshot shows a web browser at `localhost/payroll/a_account_info.php`. The page title is "ADMINISTRATOR". There are navigation links: "Manage Employee", "Manage Salary", and "Account Information". A "Logout" button is in the top right corner.

Administrator ID	Name	Company Name	Department	Designation	Password
101	arun	sony	it	manager	12
102	maresh	sony	marketing		

Department	it
Designation	manager
Password	12
Administrator ID	102
Name	maresh
Company Name	sony
Department	marketing
Designation	hod
Password	12
Administrator ID	103
Name	rajesh
Company Name	sony
Department	finance
Designation	hod
Password	12

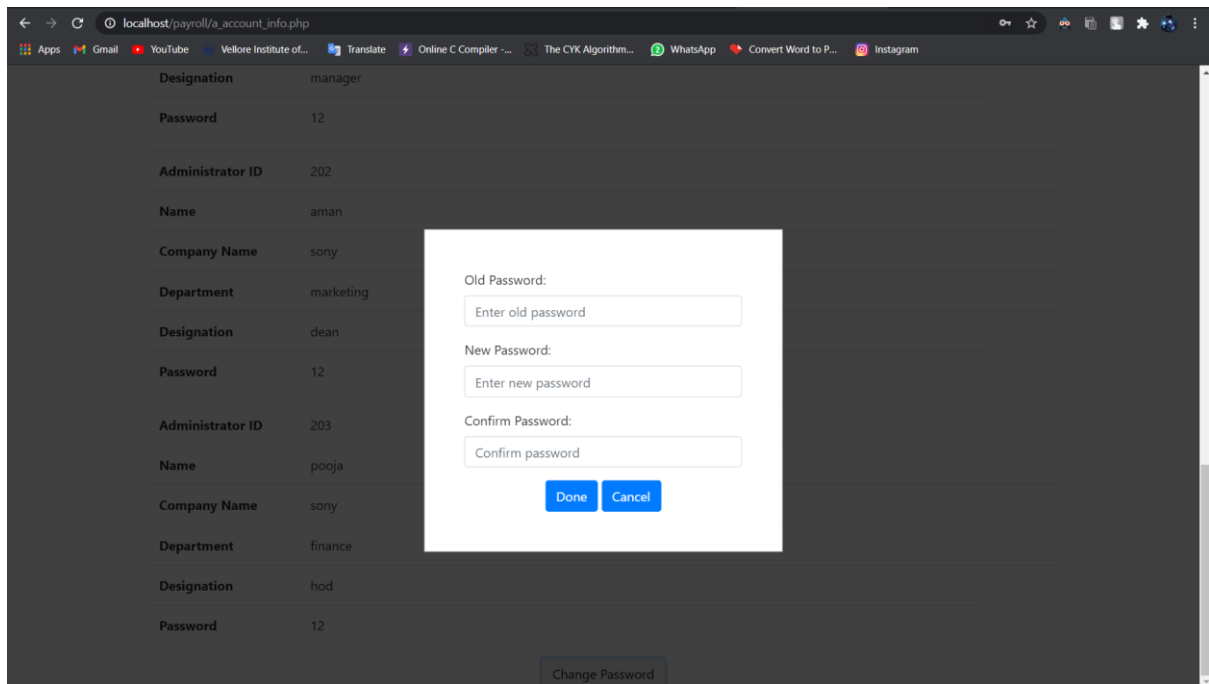
## CHANGE PASSWORD BUTTON IN THE BOTTOM CENTER:

Administrator ID	201
Name	ashul
Company Name	sony
Department	it
Designation	manager
Password	12
Administrator ID	202
Name	aman
Company Name	sony
Department	marketing
Designation	dean
Password	12
Administrator ID	203
Name	pooja
Company Name	sony
Administrator ID	203
Name	pooja
Company Name	sony
Department	finance
Designation	hod
Password	12

Change Password



**AFTER PRESSING THE CHANGE PASSWORD BUTTON:**  
**USING THIS FORM THE PASSWORD CAN BE CHANGED FOR**  
**THE ADMIN LOGIN:**



The screenshot shows a web browser at the URL `localhost/payroll/a_account_info.php`. The background displays a list of user accounts with the following details:

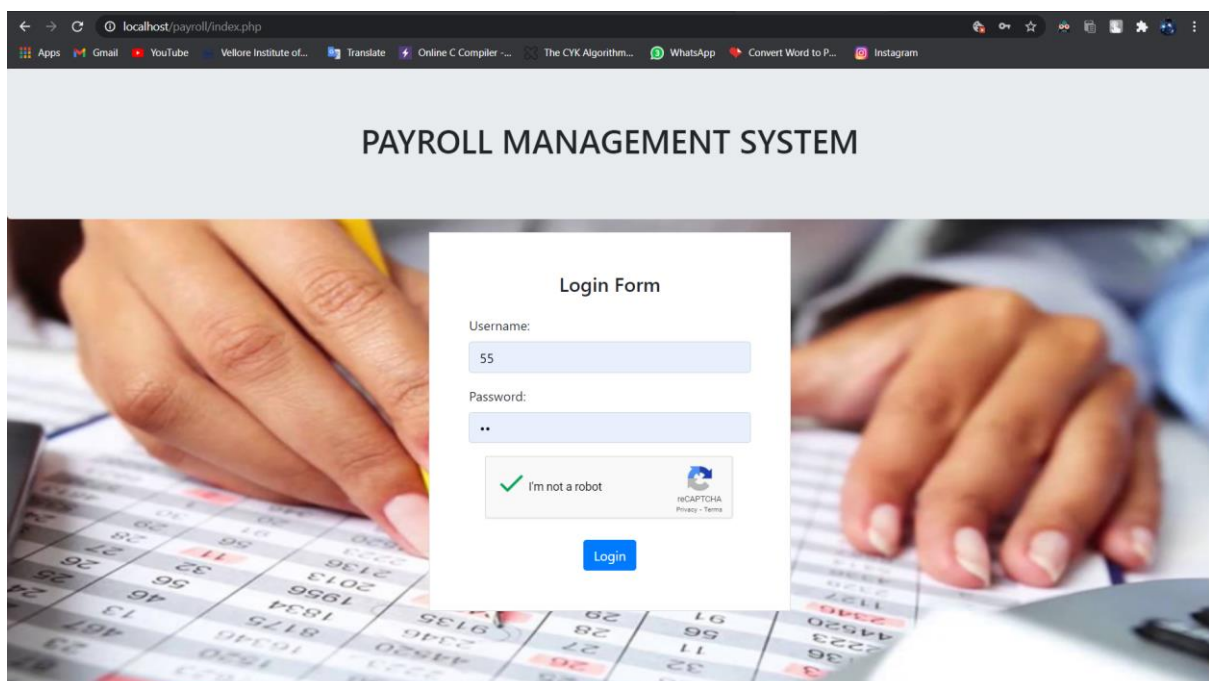
Designation	manager
Password	12
Administrator ID	202
Name	aman
Company Name	sony
Department	marketing
Designation	dean
Password	12
Administrator ID	203
Name	pooja
Company Name	sony
Department	finance
Designation	hod
Password	12

A modal form titled "Change Password" is overlaid on the list. It contains the following fields and buttons:

- Old Password:
- New Password:
- Confirm Password:
- Buttons: [Done](#), [Cancel](#)

A "Change Password" button is visible at the bottom of the account list.

**THIS IS THE EMPLOYEE LOGIN:**

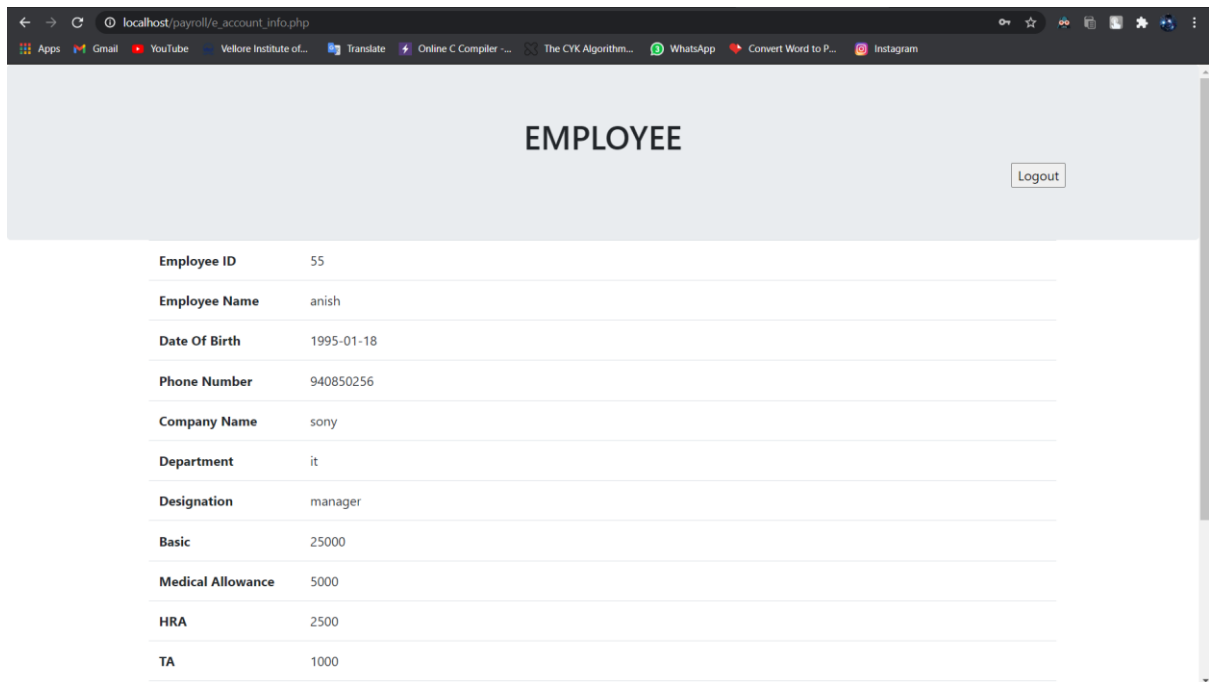


The screenshot shows the login page of the "PAYROLL MANAGEMENT SYSTEM". The page features a background image of hands working on a payroll sheet. A "Login Form" is centered on the page with the following elements:

- Username:
- Password:
- Verification: A green checkmark icon and the text "I'm not a robot" next to a reCAPTCHA logo.
- Login Button: [Login](#)

THIS SHOWS ALL OF THE EMPLOYEE DATA USING THE USERNAME AS THE IDENTIFIER:

LOGOUT BUTTON IS IN THE RIGHT CORNER:

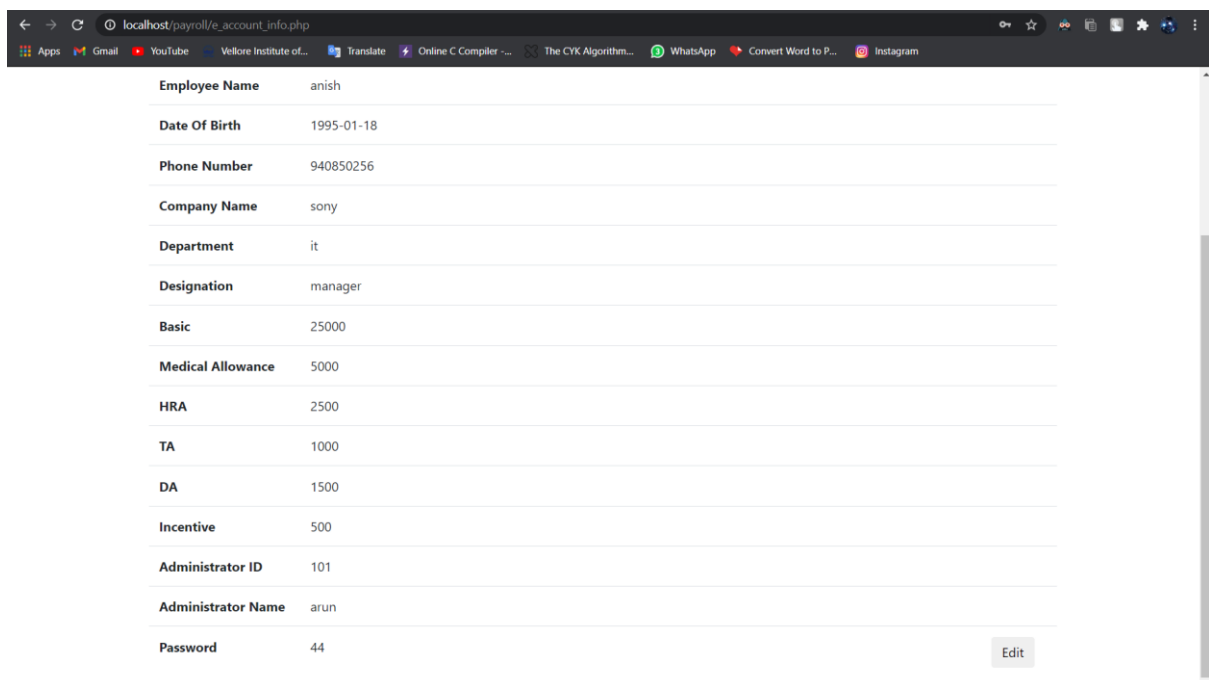


EMPLOYEE

Logout

Employee ID	55
Employee Name	anish
Date Of Birth	1995-01-18
Phone Number	940850256
Company Name	sony
Department	it
Designation	manager
Basic	25000
Medical Allowance	5000
HRA	2500
TA	1000

EDIT BUTTON IN THE RIGHT BUTTOM CORNER:



Employee Name	anish
Date Of Birth	1995-01-18
Phone Number	940850256
Company Name	sony
Department	it
Designation	manager
Basic	25000
Medical Allowance	5000
HRA	2500
TA	1000
DA	1500
Incentive	500
Administrator ID	101
Administrator Name	arun
Password	44

Edit

AFTER PRESSING THE EDIT BUTTON:

USING THIS FORM THE PASSWORD CAN BE CHANGED FOR THE EMPLOYEE LOGIN:

The screenshot shows a web browser at the URL `localhost/payroll/e_account_info.php`. The page displays employee details for 'anish' in a table-like format. A modal dialog is open in the center, titled 'Old Password:', 'New Password:', and 'Confirm Password:'. It contains three input fields and 'Done' and 'Cancel' buttons. The employee details are as follows:

Field	Value
Employee Name	anish
Date Of Birth	1995-01-18
Phone Number	940850256
Company Name	sony
Department	it
Designation	manager
Basic	25000
Medical Allowance	5000
HRA	2500
TA	1000
DA	1500
Incentive	500
Administrator ID	101
Administrator Name	arun
Password	44

DATABASE SCREENSHOTS:

ADMINISTRATOR:

The screenshot shows the phpMyAdmin interface. The left sidebar shows the database structure with 'payroll\_system' selected. The main area shows the 'administrator' table with 6 rows. The table structure is as follows:

Field	Type	Length	Null	Key
aid	INT	10	NO	PRIMARY
designation	VARCHAR	50	NO	
department	VARCHAR	50	NO	
name	VARCHAR	50	NO	
bid	INT	10	NO	

The data rows are:

aid	designation	department	name	bid
101	manager	it	arun	100001
102	hod	marketing	mahesh	100002
103	hod	finance	rajesh	100003
201	manager	it	ashul	155001
202	dean	marketing	aman	155002
203	hod	finance	pooja	155003

## BRANCH:

The screenshot shows the phpMyAdmin interface with the 'branch' table selected. The table contains 9 rows of data. The left sidebar shows the database structure with 'payroll\_system' expanded. The main area displays the table data with columns 'bname', 'bid', and 'cid'. Below the table, there are options to check all, edit, copy, delete, and export the data. The 'Query results operations' section includes links for print, copy to clipboard, export, display chart, and create view.

bname	bid	cid
it	100001	100
marketing	100002	100
finance	100003	100
it	155001	155
marketing	155002	155
finance	155003	155
it	285001	285
marketing	285002	285
finance	285003	285

## COMPANY:

The screenshot shows the phpMyAdmin interface with the 'company' table selected. The table contains 5 rows of data. The left sidebar shows the database structure with 'payroll\_system' expanded. The main area displays the table data with columns 'cname' and 'cid'. Below the table, there are options to check all, edit, copy, delete, and export the data. The 'Query results operations' section includes links for print, copy to clipboard, export, display chart, and create view.

cname	cid
sony	100
dell	125
Ig	155
samsung	285
hp	395

## EMPLOYEE:

The screenshot shows the phpMyAdmin interface for the 'payroll\_system' database. The 'employee' table is selected, and its structure and data are displayed. The table has 8 columns: ename, eid, designation, dob, phone\_no, basic, aid. The data shows 4 rows of employee information.

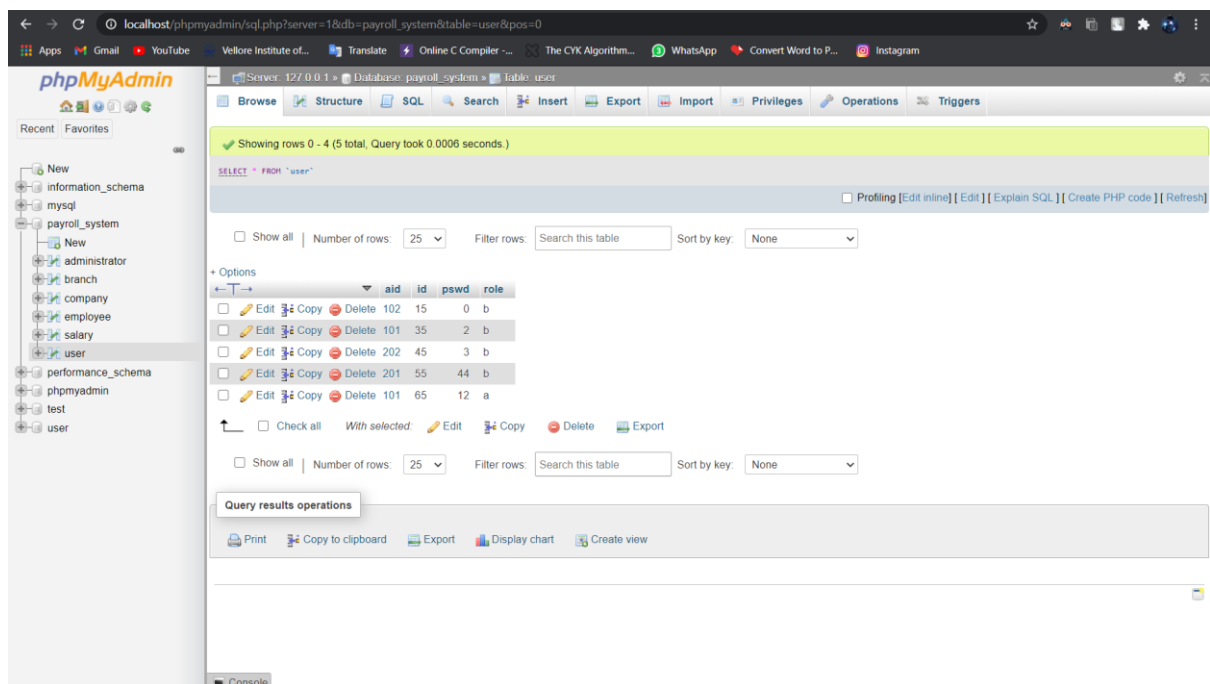
	ename	eid	designation	dob	phone_no	basic	aid
<input type="checkbox"/>	aditya	15	dgm	1995-04-14	942727265	55000	101
<input type="checkbox"/>	surya	35	am	1998-10-21	987958977	55000	101
<input type="checkbox"/>	rishabh	45	gm	1995-07-04	887558963	75000	202
<input type="checkbox"/>	anish	55	gm	1995-01-18	940850256	40000	101

## SALARY:

The screenshot shows the phpMyAdmin interface for the 'payroll\_system' database. The 'salary' table is selected, and its structure and data are displayed. The table has 8 columns: medical\_allowance, basic, hra, ta, da, incentive, aid. The data shows 5 rows of salary information.

	medical_allowance	basic	hra	ta	da	incentive	aid
<input type="checkbox"/>	5000	25000	2500	1000	1500	500	101
<input type="checkbox"/>	5000	40000	3000	1500	1800	800	101
<input type="checkbox"/>	6500	45000	4000	1500	1900	1000	201
<input type="checkbox"/>	7500	55000	5000	5500	1000	500	201
<input type="checkbox"/>	9500	75000	8000	2500	4000	2500	202

## USER:



## INDIVISUAL CONTRIBUTION

**SHREYANSH DOKANIA 19BCE1764**

I did the backend scripting for the website and linking part of the database, backend and frontend

**ANANT VEDANSH 19BCE1343**

Anant did the frontend part from development to designing

**ANUPAM KUNWAR 19BCE1369**

Anupam did the whole database part

## CONCLUSION

### OUTPUT/RESULTS:

As we can see above that as the end product we have a Payroll Management System website which basically two users one a privileged user Administrator and the other basic user Employee.

Employee can easily login and view his salary details and Administrator can view his basic info change Employee Details and Manage salaries of the employees

### DISCUSSION:

This project is accomplished with the help of:

SQL for the database

HTML for the front end development.

CSS/BOOTSTRAP for designing part

PHP for the backend scripting

-----THANK YOU-----

