

Java SL KK - RLL Group 7

PROJECT : EMPLOYEE PAYROLL MANAGEMENT



Group 7 : Team members



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1. Introduction
2. Objectives
3. System requirements
4. Tools and Technologies
5. Features
6. Flow of Application
7. Data Flow
8. Advantages
9. Working of project
10. JUnit
11. Selenium and TestNG
12. Postman testing
13. Conclusion



Introduction

- Employee payroll management system is an Internet-based Java application that automates the working of a company or work center that manage and maintain records of the employees
 - leaves, work,
 - attendance and
 - salary.
- It is a software solution that automates the process of calculating and distributing employee paychecks.



Objective

The Primary objective of the design is to deliver the requirement as delivered by the feasibility report. There are some objective we kept in mind.

- **Practically** : The system is quite stable and can be operated by the Employees with average intelligence.
- **Efficiency** : We tried to improve accuracy and productivity.





Employee payroll management is the process of calculating and distributing wages to employees.

It involves managing various aspects such as time tracking, payroll processing, tax deductions, and compliance.

Effective payroll management ensures accurate and timely payment to employees, reducing errors and improving employee satisfaction.



payroll management process

- ❑ Payroll Management software system helps you to line the vacation and leaves details for entire year.
- ❑ Payroll software system permits you to keep up the complete personal details of all workers, with the identification and additionally contact data. you may effortlessly set increment and details of loans given to workers of the corporate.

Tools & Languages



Back End

- ✓ Spring Tool Suite
- ✓ MySQL
- ✓ Spring boot
- ✓ Postman
- ✓ Junit

Front End

- ✓ Angular



Features



- User friendly.
- Easy to use. It is completely secure.
- This system is easily compatible with most of the web browsers.
- Admin can access all the records .
- Store the end-end data of employees & Admins.



Advantages

Helps the admin easy way to access the employee data

Store the end-to-end data of the employees

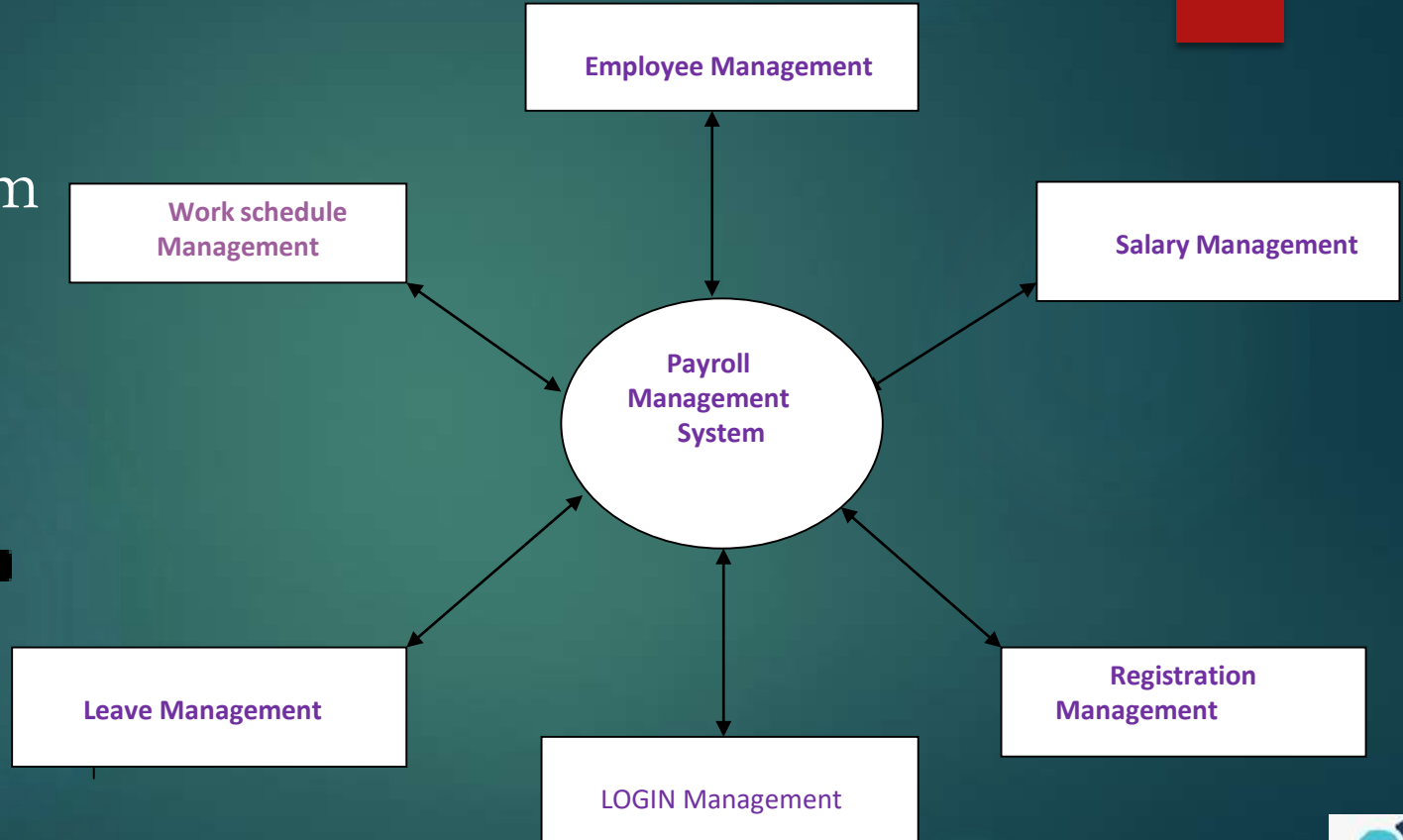
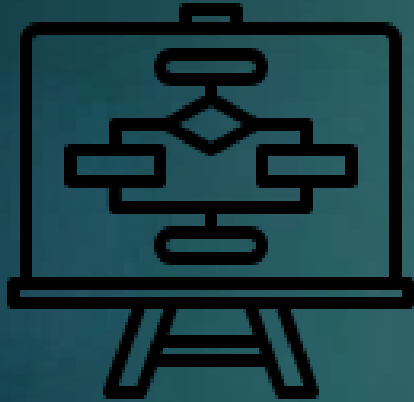


The information related to employee can be added and removed easily

Helps the employee easy way to access their data



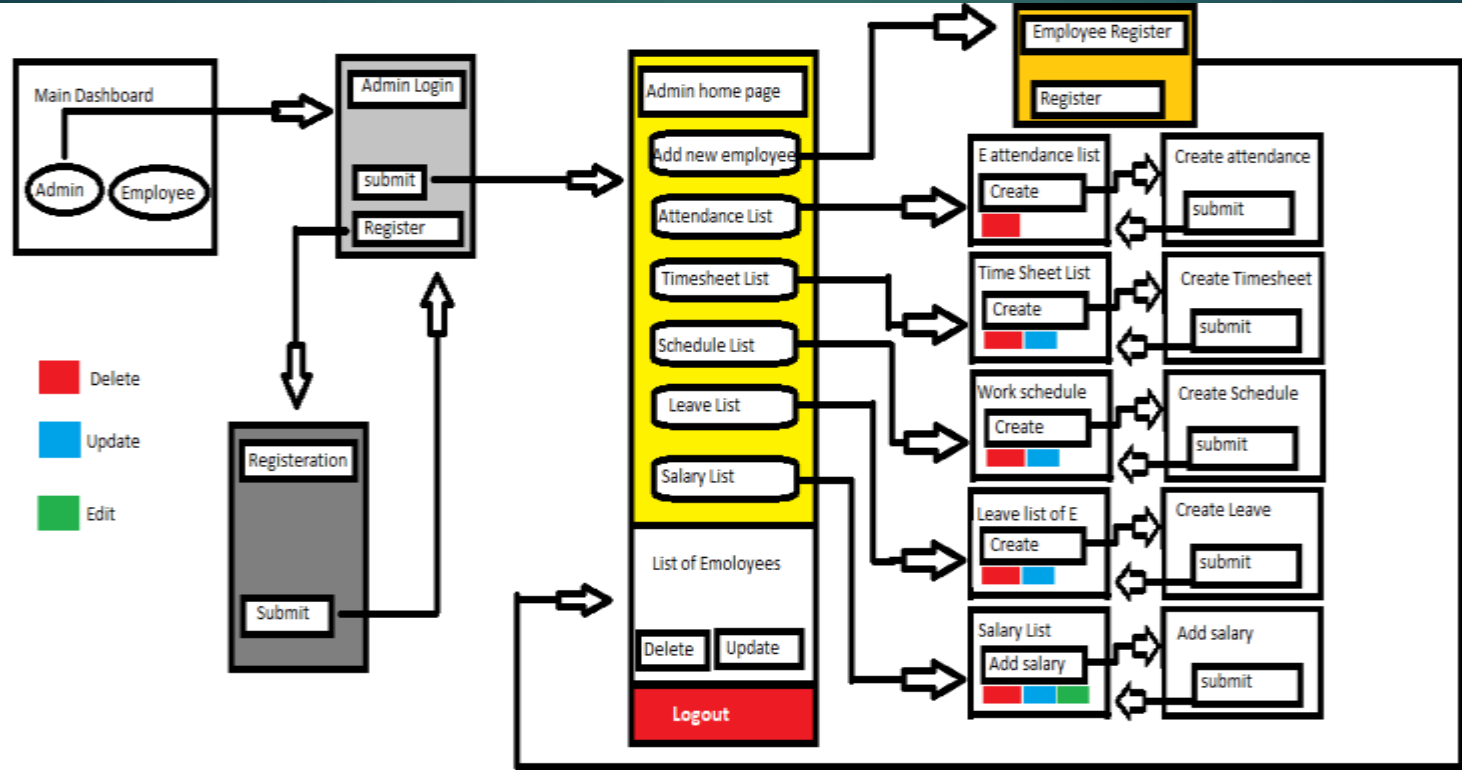
Block Diagram



(Admin Operations)



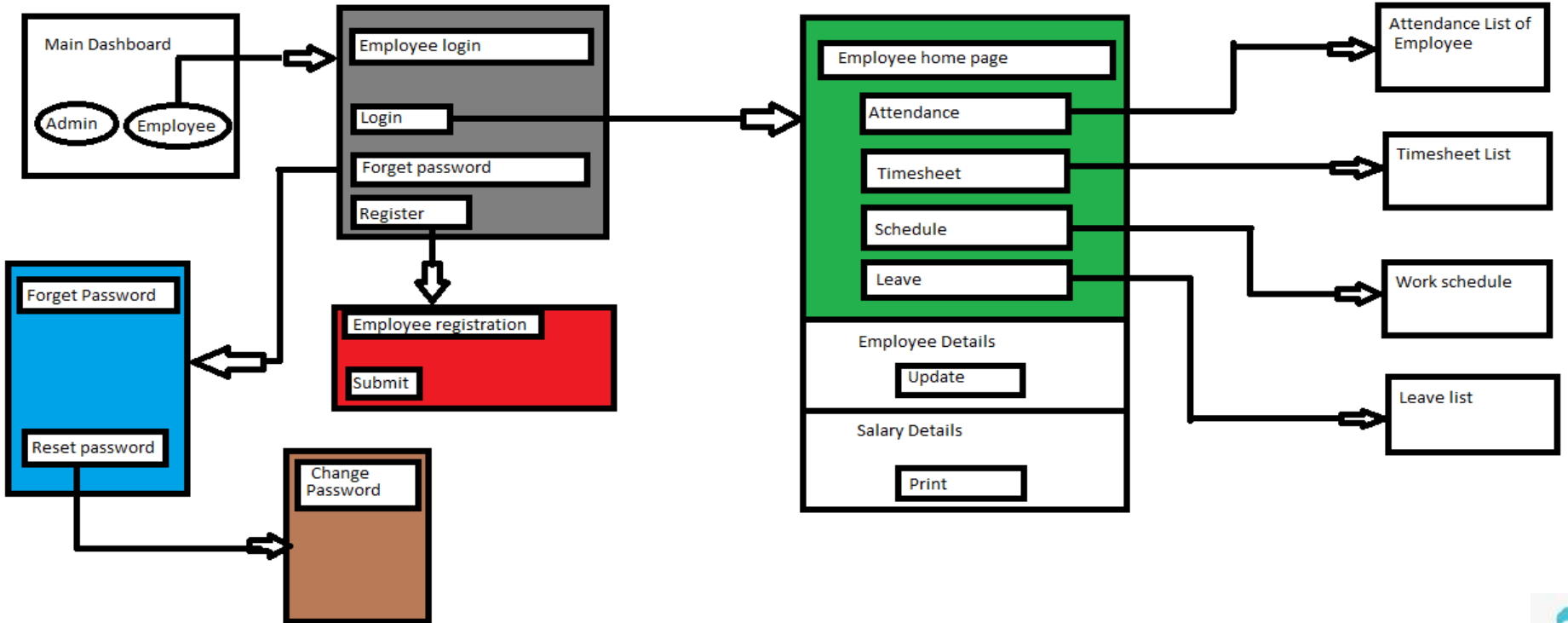
Admin Flow



(Employee Operations)



Employee Flow



Employee Dashboard

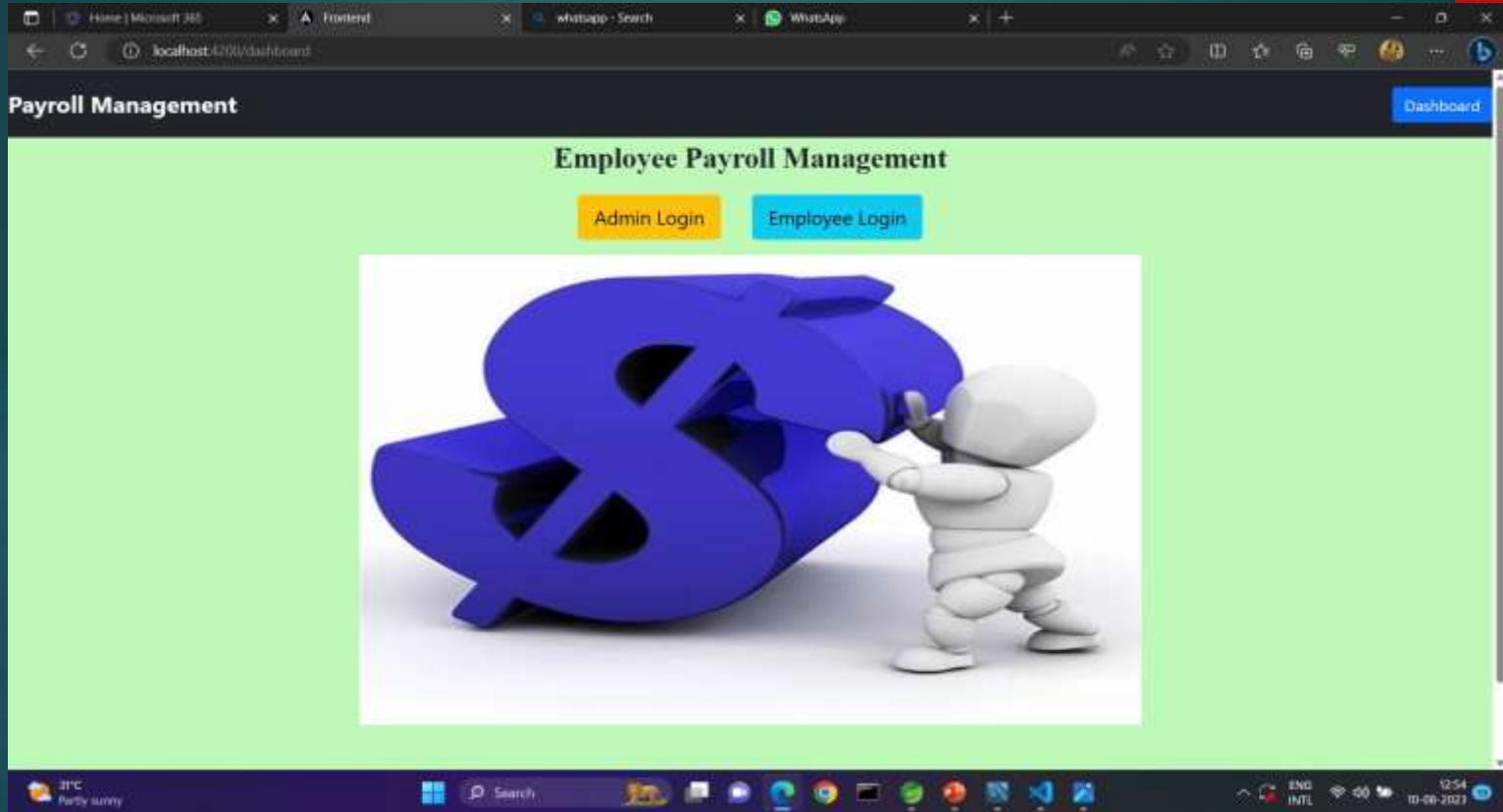
- After successful login of employee, there will be a dashboard with 5 main components that can perform respective functionality.



- They are:
 - ✓ Salary details
 - ✓ Attendance
 - ✓ Timesheet
 - ✓ Schedule
 - ✓ Leave



Dashboard



Admin Dashboard

In the admin dashboard, there are 6 components which perform respective functionality, they are:

- ✓ Add new employee
- ✓ Attendance list
- ✓ Timesheet list
- ✓ Work schedule list
- ✓ Leave list
- ✓ Salary list

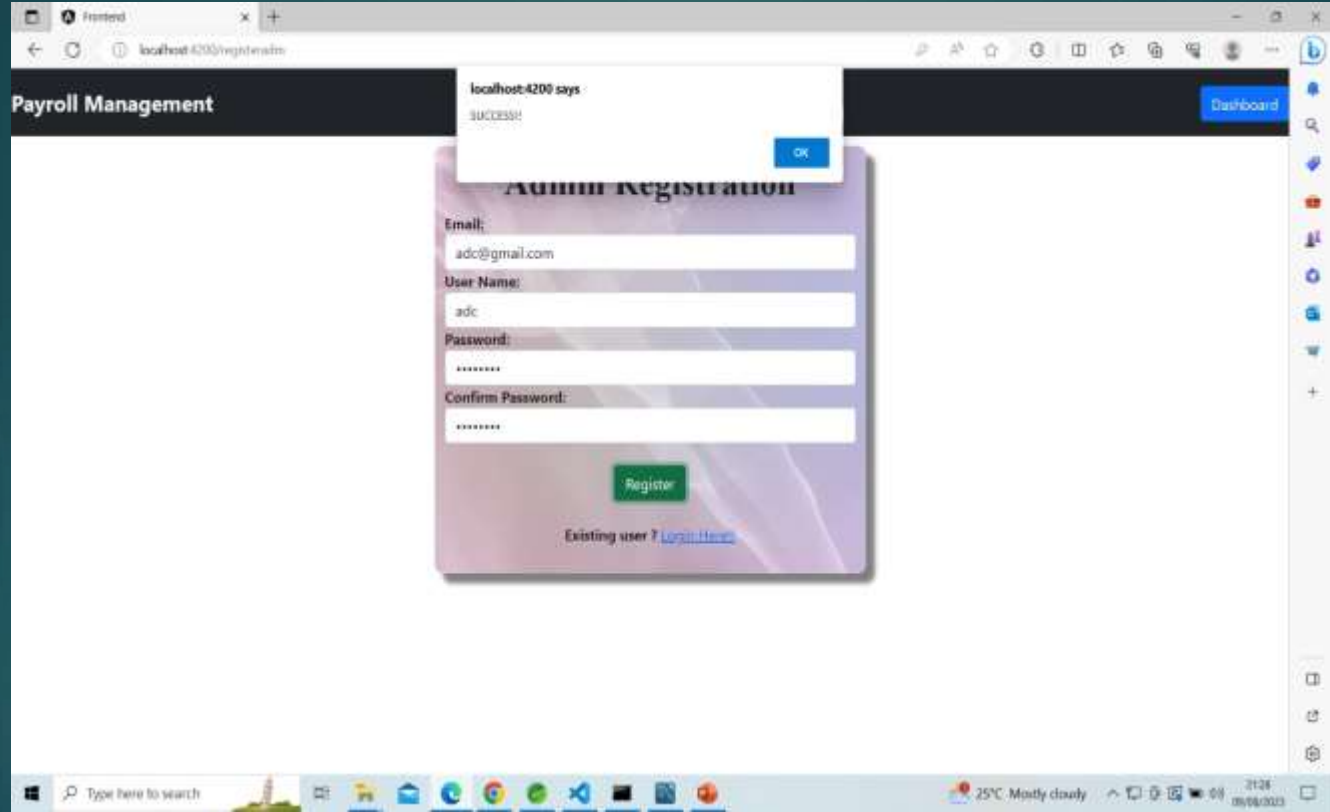


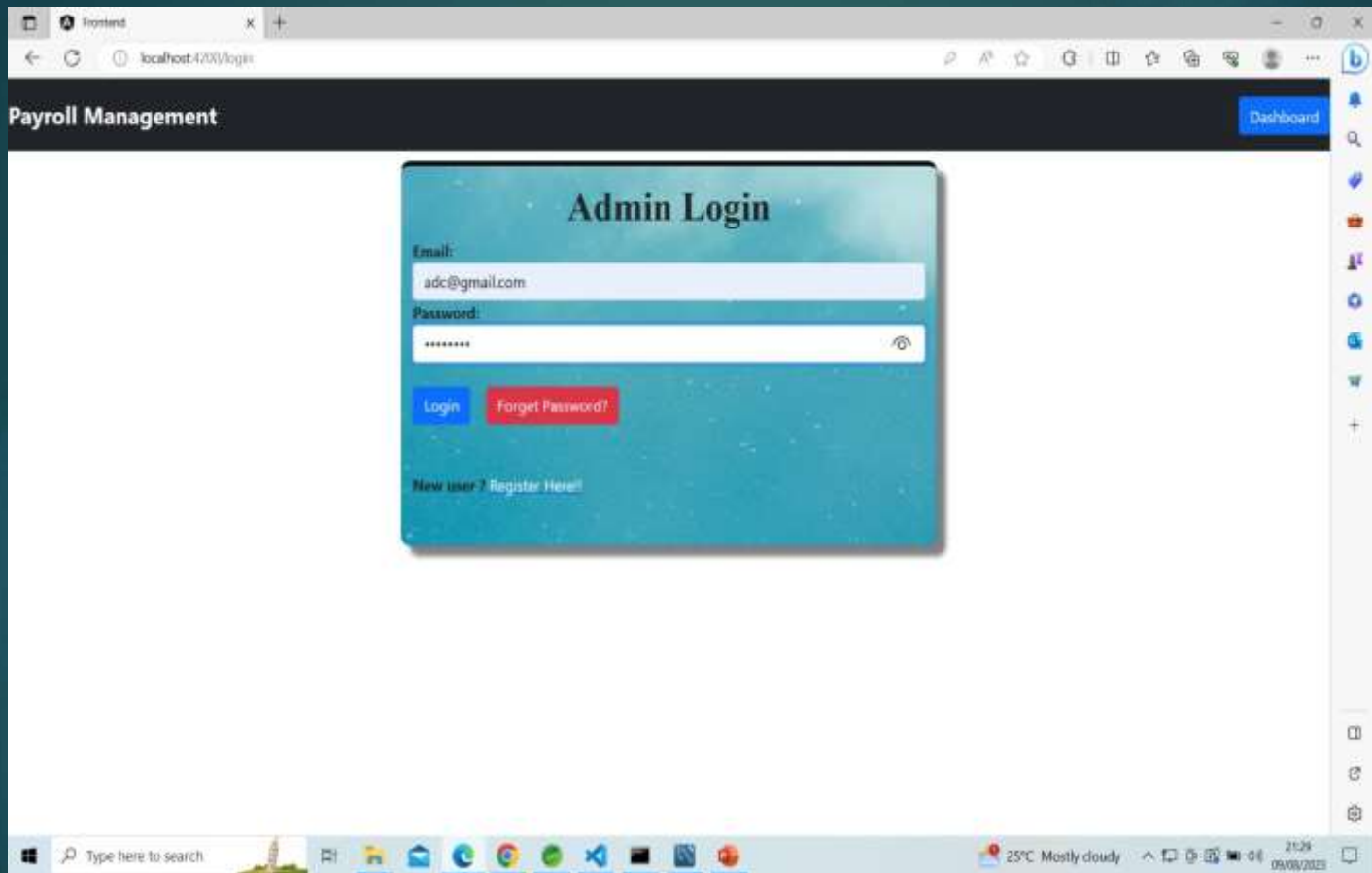


Varshitha BS:(SHEETS)

1. registration for admin-BE
2. login for admin-BE
3. Adding time sheets/ Updating time sheet -BE
4. Deleting time sheets-BE
5. Adding time sheets/ Updating time sheet -FE
6. Deleting time sheets-FE







Payroll Management [Dashboard](#)

Create Timesheet

EmpId	Select Regular Hours
<input type="text" value="10002"/>	<input type="text" value="7"/>
Date	BreakTime Hours
<input type="text" value="Week 33, 2023"/>	<input type="text" value="1"/>
InTime	Select OverTime Hours:
<input type="text" value="23:31"/>	<input type="text" value="4"/>
OutTime	Select Total Hours:
<input type="text" value="22:32"/>	<input type="text" value="10"/>
<input type="button" value="Submit"/> <input type="button" value="Back"/>	

25°C Mostly cloudy 21:30 06/06/2023

Payroll Management [Dashboard](#)

TimeSheet Updation

EmpId	Select Regular Hours
<input type="text" value="10002"/>	<input type="text" value="4"/>
Date	BreakTime Hours
<input type="text" value="Week 33, 2023"/>	<input type="text" value="1"/>
InTime	Select OverTime Hours
<input type="text" value="23:31"/>	<input type="text" value="5"/>
OutTime	Select Total Hours
<input type="text" value="22:32"/>	<input type="text" value="6"/>
<input type="button" value="Submit"/>	

Frontend

localhost:4200/timesheetlist

Payroll Management

Dashboard

Create Timesheet

Timesheet List

Logout

EmpId	Date	InTime	OutTime	RegularTime	BreakTime	OverTimeHours	TotalHours	Actions
10001	2023-W32	18:09	19:08	6	2	5	7	<div>UpdateDelete</div>
10002	2023-W33	23:31	22:32	7	1	4	10	<div>UpdateDelete</div>

Back

Type here to search

25°C Mostly cloudy

21:30 09/08/2023

Payroll Management

Dashboard

Create Timesheet

Timesheet List

Logout

EmpId	Date	InTime	OutTime	RegularTime	BreakTime	OverTimeHours	TotalHours	Actions
10001	2023-W32	18:09	19:06	6	2	5	7	<div>UpdateDelete</div>

Back

Type here to search

25°C Mostly cloudy 21:30 09/06/2023



MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigation

SCHEMAS

Filter objects

- adminapplication
 - Tables
 - Views
 - Stored Procedures
 - Functions
- db1
- db3
- db4
- db5
- ecommerce
 - Tables
 - Views
 - Stored Procedures

employee payroll

- Tables
 - admin
 - attendance
 - employee
 - hibernate_sequence
 - leave
 - salary
 - schedule
 - res
 - timesheet
- Views
- Shared Procedures

Administration Schemas Information

No object selected

SQL File 7 SQL File 8 timesheet

SELECT * FROM employee payroll.timesheet;

Result Grid

emp_id	break_time	date	in_time	out_time	overTime_hours	regular_time	total_hours
10000	1	2023-07-11	23:04	02:08	4	8	8

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

timesheet 1

Output

Action Output

Time	Action	Message	Duration / Fetch
19 21:53:07	create database employee payroll	1 row(s) affected	0.016 sec
20 21:53:07	use employee payroll	0 row(s) affected	0.000 sec
21 22:00:29	create database employee payroll	Error Code: 1007 Can't create database 'employee payroll': database exists	0.000 sec
22 22:00:31	create database employee payroll	Error Code: 1007 Can't create database 'employee payroll': database exists	0.000 sec
23 22:00:36	use employee payroll	0 row(s) affected	0.000 sec
24 10:55:07	SELECT * FROM employee payroll.timesheet LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Server

Windows taskbar: Type here to search, 10:55 10/06/2023

Sonali(EMPLOYEE SCHEDULES)

- 1.Adding Employees Schedules from admin side-BE
- 2.View Employees-BE
- 3.Edit/Update employees-BE
- 4.Delete schedules-BE
- 5.Adding employee schedules from admin side-FE
- 6.View Employees-FE
- 7.Edit/Update employees-FE



Create Work Schedule

EmpId

10001

Date

11-08-2023



Shift

Morning

StartingTime

09:00



EndingTime

06:00



Duration

9

Submit

Payroll Management

[Dashboard](#)[createschedule](#)

Work Schedule

[Logout](#)

EmpId	Date	Shift	StartingTime	EndingTime	Duration	Action
10001	2023-08-11	Evening	07:00	04:00	9	Update Delete

[Back](#)

Payroll Management

[Dashboard](#)[createschedule](#) **Work Schedule**[Logout](#)

EmpId	Date	Shift	StartingTime	EndingTime	Duration	Action
331	2023-08-09	Morning	09:00	06:00	9	Update Delete
10001	2023-08-11	Morning	09:00	06:00	9	Update Delete

[Back](#)

Mail - Sonali Yadav - Outlook

Proprio Course Becoming Men...

Demo

localhost:4700/login/success

Manage your Mpha...Mphastr -XX-Mey...Mphastr Phase 4...Unfired AccessHome | Microsoft 8...Mphastr Phase 2...Mphastr Phase 3...Mphastr Phase 5... selenium-test/95.dp...

Payroll Management

Dashboard

Add New Employee

Attendance List

Timesheet List

Schedule List

Leave List

Salary List

Login

Employee List

emphid	FirstName	LastName	DOB	Gender	Street	Location	City	State	Pincode	Mobile	EmailId	Designation	Actions
10001	Aman	Gupta	1990-06-01	male	Akshaypuri	Ludhiana	Ludhiana	Uttar Pradesh	220003	8888888888	aman12@gmail.com	Test engineer	<div>UpdateDelete</div>
10010	Omisha	Nicole	1999-06-13	Female	Akshay Beach	Goa	Pangloss	Goa	270123	8382620200	omisha12@gmail.com	Developer	<div>UpdateDelete</div>
10011	Vishal	Singh	1997-08-07	male	Lafra	Varanasi	Varanasi	Uttar Pradesh	220008	8767978878	vishu12@gmail.com	Business analyst	<div>UpdateDelete</div>
10012	Alice	Mykoto	1998-02-14	female	Mansarovar Road	Mumbai	Mumbai	Maharashtra	211230	8202020000	alice12@gmail.com	Developer	<div>UpdateDelete</div>

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Type here to search

Earnings upcoming

19:41
11-08-2023

MySQ Workbench

Local Instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- Triggers
- salary
- schedule
 - Columns
 - emp_id
 - date
 - duration
 - shift
 - end_time
 - starting_time
 - Indexes
 - PRIMARY
 - Foreign Keys
 - Triggers
- acc
- timesheet
- Views
- Stored Procedures
- Functions
- myhiber
- product
- register
- sys

Administration Schemas

Information

Table: leaves

Columns:

- emp_id bigint PK
- duration varchar(255)
- end_date varchar(255)
- leave_type varchar(255)
- start_date varchar(255)

Oldest Info Session

bookdata SQL File 2 schedule employee salary leaves attendance leaves timesheet leaves employee leaves schedule

1 * SELECT * FROM employee_payroll.schedule

Result Grid

emp_id	date	duration	shift	end_time	starting_time
10001	2023-09-11	8	Evening	04:00	07:00
10001	2023	2023	2023	2023	2023

Output

Action Output

#	Time	Action	Message	Duration / Pech
12	17:59:17	SELECT * FROM employee_payroll.attendance LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec
13	17:59:25	SELECT * FROM employee_payroll.leaves LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
14	18:00:13	SELECT * FROM employee_payroll.timesheet LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
15	18:02:31	SELECT * FROM employee_payroll.leaves LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec
16	18:03:56	SELECT * FROM employee_payroll.employee LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
17	18:04:33	SELECT * FROM employee_payroll.leaves LIMIT 0, 1000	2 row(s) returned	0.015 sec / 0.000 sec
18	11:07:36	SELECT * FROM employee_payroll.schedule LIMIT 0, 1000	1 row(s) returned	0.078 sec / 0.000 sec

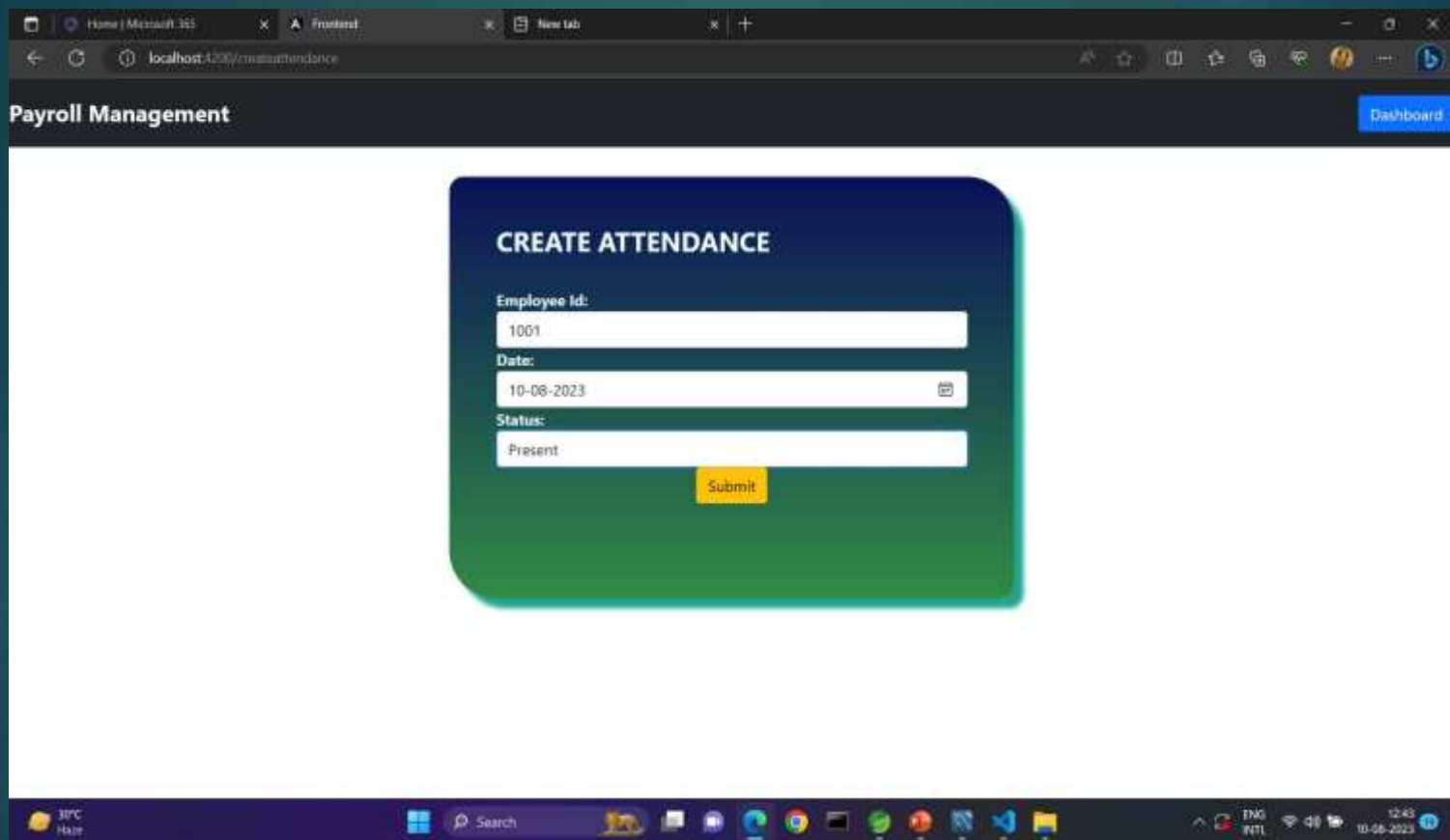
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

29°C Cloudy 11:37 10-08-2023

Aiswarya :(Attendance)

- 1.Adding employees attendance from admin side-BE
- 2.View employees attendance-BE
- 3.Delete attendance-BE
- 4.Adding employees schedules from admin side-FE
- 5.View attendance-FE
- 6.Delete-FE





Home | Microsoft 365

Frontend

New tab

localhost:4200/empattendance

Payroll Management

Dashboard

Create Attendance


Employee Attendance List


Logout

EmpId	Date	Status	Action
1001	2023-08-10	present	Delete
10000	2022-10-26	present	Delete
10001	2023-08-02	present	Delete

Back

30°C
Haze

 Search



ENG
INTL

12:43
10-08-2023

Home | Microsoft 365

localhost:4200/empattendance

Payroll Management

Dashboard

Employee Attendance List

Logout

EmpId	Date	Status	Action
10000	2022-10-26	present	Delete
10001	2023-08-02	present	Delete

Back

30°C Haze

Search

Task View

File Explorer

Microsoft Edge

Google Chrome

WhatsApp

Telegram

Discord

Folder

ENG INL

12:48

10-08-2023

Home | Microsoft 365

Frontend

New tab

localhost:1000/employeeattendance/10001

Payroll Management

Dashboard

Attendance List of Employee

EmpId	Date	Status
10001	2023-08-02	present

Back

32°C
Raze

Search

RTL

12:44
10-08-2023

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- book
- country
- db1
- db2
- db3
- db4
- doctor
- ecom
- emp
- employee
- employeepayroll**
 - Tables
 - admin
 - attendance
 - employee
 - employee_sequence
 - leave
 - salary
 - schedule
 - seq
 - timesheet
 - Views
 - Stored Procedures
 - Functions
 - feedback
- Administration
- Schemas

Information

No object selected

Object Info Selection

attendance admin schedule schedule attendance attendance

SQL Assistant

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

1 * SELECT * FROM employeepayroll.attendance;

Result Grid

emp_id	date	status
1001	2023-08-10	present
10000	2023-10-26	present
10001	2023-08-02	present

attendance I x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	11:07:23	SELECT * FROM employeepayroll.admin LIMIT 0, 1000	1 row(s) returned	0.265 sec / 0.000 sec
2	12:10:01	SELECT * FROM employeepayroll.schedule LIMIT 0, 1000	1 row(s) returned	0.094 sec / 0.000 sec
3	12:10:41	SELECT * FROM employeepayroll.schedule LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
4	12:24:35	SELECT * FROM employeepayroll.attendance LIMIT 0, 1000	2 row(s) returned	0.125 sec / 0.000 sec
5	12:44:28	SELECT * FROM employeepayroll.attendance LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

39°C Hour

Search

12:44 10-08-2023

Chandini:(Employee)

1.Adding new employee

2 Updating employee details



Mail - Sonali Yadav - Outlook

Payroll Course Recording Man...

Demo

localhost:4200/login/success

Manage your Mpha...Mphaan -4X -May...Mphaan Phase 4...Unlited AccessHome | Microsoft 3...Mphaan Phase 2...Mphaan Phase 3...Mphaan Phase 5...sethruan-hem/95.zp...

Payroll Management

Dashboard

Add New Employee

Attendance List

Timesheet List

Schedule List

Leave List

Salary List

Login

Employee List

empId	FirstName	LastName	DOB	Gender	Street	Location	City	State	Pincode	Mobile	EmailId	Designation	Actions
10001	Jaman	Gupta	1990-06-02	male	Atambagh	Lodhrow	Ludhnow	Uttar Pradesh	226002	9890000000	jaman12@gmail.com	Test engneer	<div>UpdateDelete</div>
10010	Chitra	Wickie	1990-06-13	female	Acasa Beach	Ola	Parag	Ola	270123	6282026262	chitra12@gmail.com	Developer	<div>UpdateDelete</div>
10011	Yashu	Singh	1997-06-07	male	Linka	Vakranol	Vakranol	Uttar Pradesh	230666	6757078476	yashu10@gmail.com	Business analyst	<div>UpdateDelete</div>
10012	Alia	Mallhotra	1990-02-14	female	Mehra Road	Mumbai	Mumbai	Maharashtra	212340	8082020000	alia12@gmail.com	Developer	<div>UpdateDelete</div>

Waiting for localhost...

Copyright© 2022, Group2_RLL@Corporation

Type here to search

34°C Haze17:2411-06-2023

Project

localhost:4200/updateemployee/10036

Gmail YouTube Maps News Translate Amazon.co.uk - OnL... Agoda Express VPN McAfee Security LastPass password...

Payroll Management

Dashboard

Update employee details

Emplid	10036	City	telangana
First Name	chandu	State	telangana
Last Name	mamidwar	Pincode	500048
Date of birth	2023-08-23	Mobile no	7013876052
Gender	female	EmailId	chandinimamidwar@gmail.com
street	hyd	Password	*****
Location	hyderguda	Designation	Developer

Submit

30°C Heat

Search

12:12 10-08-2023

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigation

SCHEMAS

Filter objects

employeeepay

- Tables
 - admin
 - attendance
 - employee
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
- hibernate_sequence
- leaves
- salary
- schedule
- sys
- timesheet
- Views
- Stored Procedures
- Functions

Administration Schemas

Information

Schema: employeeepay

Output

Action Output

#	Time	Action	Message	Duration / Patch
10	09:27:17	SELECT * FROM employeeepay.attendance LIMIT 0, 1000	2 rows returned	0.000 sec / 0.000 sec
11	11:55:11	SELECT * FROM employeeepay.employee LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
12	11:55:12	SELECT * FROM employeeepay.employee LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
13	12:20:40	SELECT * FROM employeeepay.salary LIMIT 0, 1000	2 rows(s) returned	0.000 sec / 0.000 sec
14	13:17:16	SELECT * FROM employeeepay.employee LIMIT 0, 1000	2 rows(s) returned	0.000 sec / 0.000 sec
15	13:17:50	SELECT * FROM employeeepay.employee LIMIT 0, 1000	2 rows(s) returned	0.000 sec / 0.000 sec

Result Grid

Filter Rows

Edit

Export/Import

Wrap Cell Contents

emp_id	city	designation	dob	email_id	f_name	gender	l_name	location	inst_no	password	pincode	state	street
10021	hyd	Business analyst	2023-09-10	vashu@gmail.com	vashu	female	vashu	hyderguda	7013874004	vashu@123	300040	telangana	hyd
10026	telangana	Developer	2023-09-23	chandramamduar@gmail.com	chandra	female	mamduar	hyderguda	7013876052	chandra	300040	telangana	hyd

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

MySQL Workbench

31°C Mostly Sunny

Search

13:17 10-06-2023

Ashwini:(LEAVE)

- 1.Adding leave-BE
- 2.Deleting Leave-BE
- 3.Adding leave-FE
- 4.Deleting leave-FE
- 5.View leaves from employee



[Createleave](#)

Leave List of Employees

[Logout](#)

Empld	Leave Type	Start Date	End Date	Duration	Action
10004	casual leave	2023-08-02	2023-08-02	full day	Delete

[Back](#)

Payroll Management

[Dashboard](#)

Leave

EmpId	Leave Type	Start Date	End Date	Duration
10004	casual leave	2023-08-02	2023-08-02	full day

[Back](#)

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

employee payroll

Tables

- admin
- attendance
- employee
- hibernate_sequence
- leaves
- salary
- schedule
- seq
- timesheet

Administration Schemas

Information

No object selected

Query 1 leaves x

Limit to 1000 rows

1 • `SELECT * FROM employee payroll.leaves;`

Result Grid

emp_id	duration	end_date	leave_type	start_date
10004	full day	2023-08-02	casual leave	2023-08-02

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

leaves 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	13:48:33	SELECT * FROM employee payroll.leaves LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Sumalatha:(SALARY)

- 1.Adding Salary from admin side
- 2.Edit/update salary
- 3.Delete Salary
- 4.View salary from employee side



Mphasic Phase 2 - Google Docs

Payroll

localhost:4200/salarylist

Dashboard

Payroll Management

Add Salary

Salary list

Logout

Salary ID	Employee Id	Basic pay	Dearness Allowance	House Rent Allowance	Gross Salary	Provident Fund	Tax	Deduction	NetPay	Transaction date	Actions		
1	1	30000	1000	1000	10000	1200	600	1800	20000	2023-08-20	Edit	View	Delete
3	10000	30000	1000	1000	10000	1200	600	1800	20000	2023-08-05	Edit	View	Delete
4	10004	30000	686	132	134	43	231	134	24	2023-08-06	Edit	View	Delete

Back

34°C
Mostly cloudy

Search

ENG IN

12:34
09-08-2023

Mphase Phase 2 - Google Docs x Payroll

localhost:4200/addsalary

Payroll Management

Dashboard

Add salary

Employee id:

10005

Basic pay:

30000

Dearness Allowance

686

House Rent Allowance :

24

Gross salary :

34°C
Mostly cloudy

Search

12:37
09-08-2023

Mphasis Phase 2 - Google Docs

Payroll

localhost:4200/salarylist

Dashboard

Add Salary

Salary list

Logout

Salary ID	Employee Id	Basic pay	Dearness Allowance	House Rent Allowance	Gross Salary	Provident Fund	Tax	Deduction	NetPay	Transaction date	Actions
1	1	30000	1000	1000	10000	1200	600	1800	20000	2023-08-20	<div>EditViewDelete</div>
3	10000	30000	1000	1000	10000	1200	600	1800	20000	2023-08-05	<div>EditViewDelete</div>
4	10004	30000	686	132	134	43	231	134	24	2023-08-06	<div>EditViewDelete</div>
5	10005	30000	686	24	68789	647	97	66478	1983	2023-08-06	<div>EditViewDelete</div>

Back

34°C Mostly cloudy

Search

Task View

Calendar

Mail

Microsoft Edge

WhatsApp

Telegram

Discord

Spotify

Google Meet

System Tray

ENG IN

12:37 09-08-2023

The screenshot displays a web application interface for updating salary details. The form is titled "UPDATE SALARY" and is organized into two columns. The left column contains the following fields and values: "Salary id:" with value "1", "Employee id:" with value "1", "Basic pay:" with value "30000", "Dearness Allowance" with value "1000", "House Rent Allowance :" with value "1000", and "Gross salary :" with value "10000". The right column contains: "Pf amount:" with value "1200", "Tax:" with value "600", "Deduction:" with value "1800", "NetPay:" with value "20000", and "Transaction date:" with value "03-08-2023". The browser's address bar shows the URL "localhost:4200/editsalary/1".

Field	Value
Salary id:	1
Employee id:	1
Basic pay:	30000
Dearness Allowance	1000
House Rent Allowance :	1000
Gross salary :	10000
Pf amount:	1200
Tax:	600
Deduction:	1800
NetPay:	20000
Transaction date:	03-08-2023

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- authentication
- capstone
- collage
- company_data
- db1
- db2
- db4
- ecommerce
- ecommerce1
- employeepayroll
- employees
- login
- masdakar
- mca

Administration Schemas

Information

No object selected

Query 1 salary leaves attendance admin schedule timesheet salary employee

Limit to 1000 rows

```
1 * SELECT * FROM employeepayroll.salary;
```

Result Grid

sal_id	basic_pay	da	deduction	emp_id	gross_salary	hra	net_pay	pf_amount	tax	tran_date
3	30000	1200	1800	10000	10000	1000	20000	1200	600	2023-08-05
5	30000	886	66478	10005	68789	24	2963	647	97	2023-08-06
9	30000	78	1315	10012	1241	324	325	122421	1341	2023-06-04
10	30000	10000	1200	10008	30000	10000	400000	600	400	2022-10-26
11	20000	10000	1200	10008	30000	10000	400000	600	400	2022-10-26
12	30000	10000	1200	10008	30000	10000	400000	600	400	2022-10-26
13	30000	10000	1200	10009	30000	10000	400000	600	400	2022-10-26
14	20000	10000	1200	10009	30000	10000	400000	600	400	2022-10-26

Apply Revert Context Help Scriptlets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	11:54:55	SELECT * FROM employeepayroll.admin LIMIT 0, 1000	1 row(s) returned	0.031 sec / 0.000 sec
2	11:56:09	SELECT * FROM employeepayroll.employee LIMIT 0, 1000	4 row(s) returned	0.016 sec / 0.000 sec
3	11:57:11	SELECT * FROM employeepayroll.salary LIMIT 0, 1000	8 row(s) returned	0.015 sec / 0.000 sec

Object Info Session

Breaking

Search

ENG IN

11:57 10-08-2023

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Prabhakaran:(Log in to portal)

- 1.Employee Registration –BE
- 2.Employee Registration-FE
- 3.Employee login-BE
- 4.Employee login-FE
- 5.Change password-FE
- 6.Change password-BE



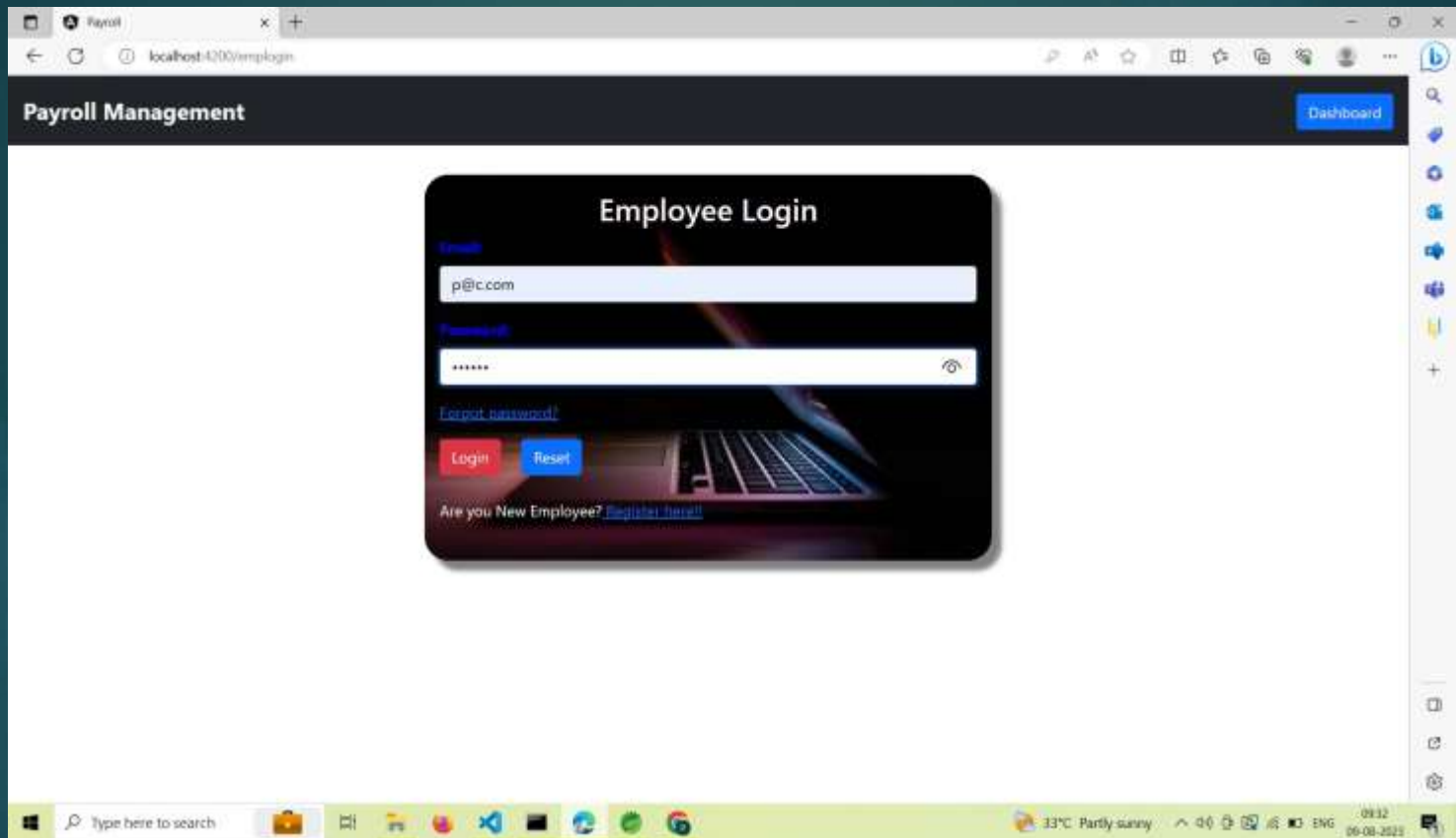
Unlabeled AccountPayrolllocalhost:4200/registrationDashboard

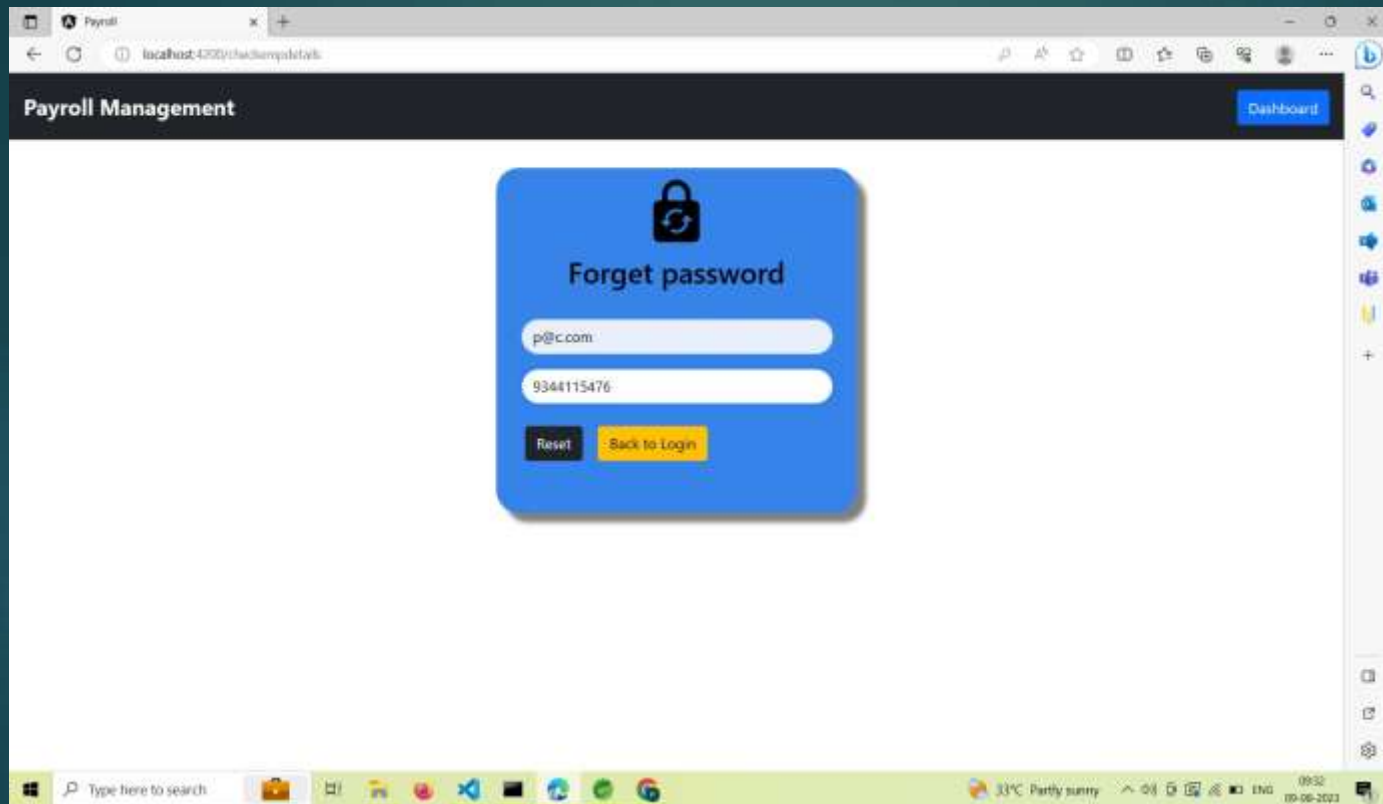
Payroll Management

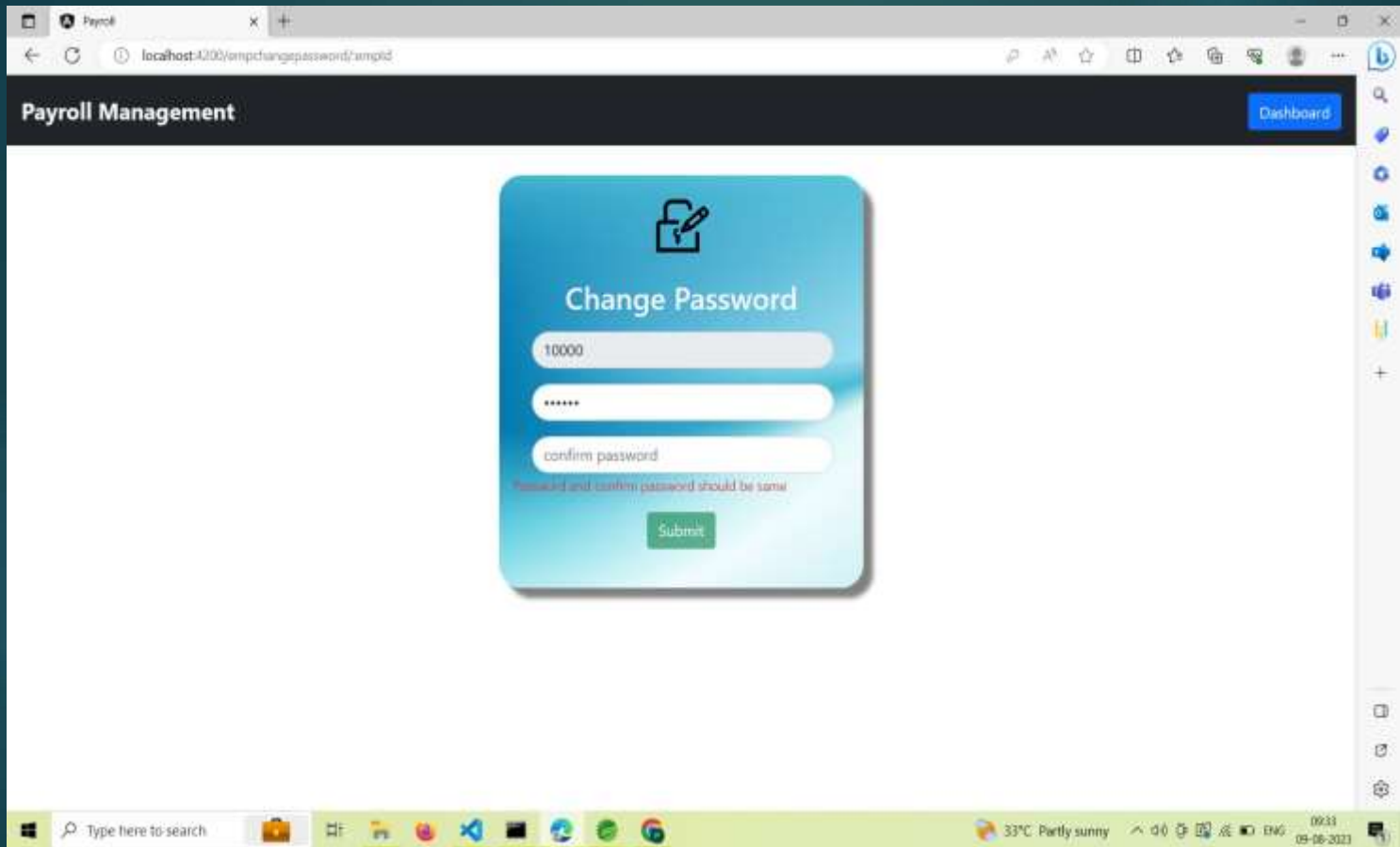
EMPLOYEE REGISTRATION

Email	Mobile number
pg@x.com	9344115476
First name	Location
Prahhakaran	Saruthupatti
Last name	Street
S	Indiracolony
Date of birth	City
02-01-2001	Theni
Gender*	State
<input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Other	Tamilnadu
Designation*Developer	Pincode
Password	625523

Type here to search34°C Mostly sunny12:5012-08-2023







Payroll Management

Dashboard

SalaryDetailsAttendanceTimesheetScheduleLeaveLogout

Employee Details

empId	FirstName	LastName	DOB	Gender	Street	Location	City	State	Pincode	Mobile	EmailId	Password	Designation	Actions
10000	Prathakaran	S	2001-01-02	male	Indiracolony	Santhapatti	Tirup	Tamilnadu	625523	9344115476	p@ic.com	Prabha	Developer	Update

Salary Details

SaltId	EmpId	Basic pay	Dearness Allowance	House Rent Allowance	Gross salary	PF amount	Tax	Deduction	NetPay	Transaction date	Action
1	10000	26000	13000	13000	52000	1040	520	1560	50440	2023-08-01	PRINT

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33°C - Partly sunny

09:31
09-08-2023

Payroll

localhost:4200/employees/update/10000

Payroll Management

Dashboard

UPDATE EMPLOYEE DETAILS

Employee ID

10000

First Name

Prabhakaran

Last Name

S

Date of birth (Format : YYYY-MM-DD)

2001-01-02

Gender

male

Mobile no

9344115476

Password

Prabha

Designation

Developer

street

Indiracolumy

Location

Saruthupatti

City

Tberi

State

Tamilnadu

Type here to search

33°C Partly sunny

09:12
09-08-2023

MySQL Workbench

Local instance MySQL8

File Edit View Query Database Server Tools Scripting Help

Navigation SQL File 5* SQL File 4* SQL File 5* SQL File 7* SQL File 7* SQL File 8* SQL File 9* SQL File 10* SQL File 11

SCHEMAS

filter objects

- authentication
- codeviewer
- database1
- db
- db1
- db2
- db3

Administration Schemas

No object selected

```
1 create database employeepayroll;
2 use employeepayroll;
3 show tables;
4 select * from login;
5 select * from citizens;
6 select * from employee;
7
8
9
10
11 create table AdminAttendance(
12 emp_id int,
```

Result Grid

emp_id	city	designation	dob	email_id	f_name	gender	i_name	location	mob_no	password	pincode	state	street
20021	Thane	Developer	2001-01-01	p@ic.com	Prabakaran	male	Saruthapatti	CH4113476	9449607	625522	Tamilnadu	Indiracolony	
20028	20028	20028	20028	20028	20028	20028	20028	20028	20028	20028	20028	20028	20028

employees 6 x

Output

Action Output

#	Time	Action	Message	Duration / Feeds
7	12:04:09	drop database employeepayroll	0 row(s) affected	0.250 sec
8	12:04:21	create database employeepayroll	1 row(s) affected	0.000 sec
9	12:04:25	use employeepayroll	0 row(s) affected	0.000 sec
10	12:04:29	show tables	0 row(s) returned	0.000 sec / 0.000 sec
11	12:22:30	Select * from employee LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec
12	14:13:40	Select * from employee LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Context Help

Automatic context help is disabled.
Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Object Info Session

Type here to search

Hot weather 14:13 09-08-2023

Employee APIs

HTTP methods	URL	Operation
GET	http://localhost:8085/employee payroll/ad/10036	To retrieve all the employees
POST	http://localhost:8085/employees	To create/register the new employee
PUT	http://localhost:8085/employee payroll/emp/10031	To update the specific employee details
DELETE	http://localhost:8085/employee payroll/ad/10044	To delete the specific employee details



Admin APIs

HTTP methods	URL	Operation
POST	http://localhost:8085/register--admin	To register the admin details
POST	http://localhost:8085/login	To login the admin



Attendance APIs

HTTP methods	URL	Operation
GET	http://localhost:8085/employee payroll/attend/attendances	To get the attendance of particular employee
GET	http://localhost:8085/employee payroll/attend/10031	To get the attendances of all the employees
POST	http://localhost:8085/employee payroll/attend/attendances	To create the attendance of particular employee
DELETE	http://localhost:8085/employee payroll/attend/attendances/0	To delete the attendance of particular employee



Leave APIs

HTTP methods	URL	Operation
GET	http://localhost:8085/employee payroll/leave/10031	To get the leave list of particular employee
GET	http://localhost:8085/employee payroll/leave/leave	To get the leave list of all the employees
POST	http://localhost:8085/employee payroll/leave/leave	To create the leave list of particular employee
DELETE	http://localhost:8085/employee payroll/leave/leave/10007	To delete the leave list of particular employee



Work Schedule APIs



HTTP methods	URL	Operation
GET	http://localhost:8085/employee payroll/time/10001	To get the work schedule of particular employee
GET	http://localhost:8085/employee payroll/time/time sheets	To get the Work schedule of all the employees
POST	http://localhost:8085/employee payroll/schedule/schedules	To create the Work schedule of particular employee
DELETE	http://localhost:8085/employee payroll/time/time sheets/10010	To delete the Work schedule of particular employee
PUT	http://localhost:8085/employee payroll/time/time sheets/10010	To update the Work schedule of particular employee



Time sheet list APIs

HTTP methods	URL	Operation
GET	http://localhost:8085/employee payroll/time/timesheets/{empid}	To get the time sheet list of particular employee
GET	http://localhost:8085/employee payroll/time/timesheets	To get the time sheet list of all the employees
POST	http://localhost:8085/employee payroll/time/timesheets/10010	To create the time sheet for particular employee
DELETE	http://localhost:8085/employee payroll/time/timesheet/{empid}	To delete the time sheet for particular employee
PUT	http://localhost:8085/employee payroll/time/timesheets/10010	To update the time sheet for particular employee



Salary list APIs

HTTP methods	URL	Operation
GET	http://localhost:8085/employee payroll/salary/empid/10007	To get the salary list by salary id
GET	http://localhost:8085/employee payroll/salary/salaries	To return the all the salary list
POST	http://localhost:8080/employee payroll/salary/salaries	To create the salary list for particular employee
DELETE	http://localhost:8085/employee payroll/salary/salaries/{id}	To delete the salary list for particular employee



Employee APIs

HTTP methods	URL	Operation
POST	http://localhost:8085/employees	To register the employee in employee side
POST	http://localhost:8085/employees/login	To login the employee in the employee side
PUT	http://localhost:8085/forgotpassword	To give the registered email and mobile number and to reset the password



JUnit Testing



- ✓ JUnit is an open source Unit Testing Framework for JAVA.
- ✓ It is useful for Java Developers to write and run repeatable tests.
- ✓ JUnit makes it possible for the software developer to easily correct bugs as they are found.
- ✓ Once you are done with code, you should execute all tests, and it should pass.
- ✓ Every time any code is added, you need to re-execute all test cases and makes sure nothing is broken.

JUnit Testing Result

Problems Javadoc Declaration Console JUnit x Git Staging Progress TestNG
Finished after 53.647 seconds

Runs: 29/29

Errors: 0

Failures: 0

CompleteJUnitTesting [Runner: JUnit 5] (7.251 s)

- ScheduleTest1() (3.721 s)
- ScheduleTest2() (0.636 s)
- ScheduleTest3() (0.032 s)
- ScheduleTest4() (0.040 s)
- TimesheetTest1() (0.015 s)
- TimesheetTest2() (0.022 s)
- TimesheetTest3() (0.974 s)
- TimesheetTest4() (0.024 s)
- AdminTest1() (0.964 s)
- AdminTest2() (0.044 s)
- AdminTest3() (0.090 s)
- AdminTest4() (0.035 s)
- AdminTest5() (0.025 s)
- AttendanceTest1() (0.025 s)
- AttendanceTest2() (0.026 s)
- AttendanceTest3() (0.022 s)
- AttendanceTest4() (0.019 s)
- EmployeeTest1() (0.017 s)
- EmployeeTest2() (0.041 s)
- EmployeeTest3() (0.054 s)
- EmployeeTest4() (0.023 s)
- SalaryTest1() (0.016 s)
- SalaryTest2() (0.030 s)
- SalaryTest3() (0.021 s)
- SalaryTest4() (0.034 s)

Failure Trace

DEMO



Conclusion



- “Employee Payroll Management System” is developed to achieve maximum efficiency and reduce the time taken to handle the Payroll activity.
- It is designed to replace an existing manual record system thereby reducing time taken for calculations and for storing data.
- The implementation of the system in the organization will considerably reduce data entry, time and also provide readily calculated reports.



