

GROUP : 6



**OBJECT ORIENTED PARADIGM
19CSE204
LEAVE MANAGEMENT SYSYTEM**

TEAM MEMBERS:

S.NO	ROLL NUMBER	NAME
1	CB.EN.U4CSE19131	MEENAKSSHI S
2	CB.EN.U4CSE19142	S R HARINYA DEVI
3	CB.EN.U4CSE19144	SANGEERTHANA B
4	CB.EN.U4CSE19118	IMMANI SRI KAVYA

PROBLEM DEFINITION

Leave Management System :

- *Ranging from the small companies in the town to the large organizations and multinational companies, an online leave management system has become a necessity for these associations to have a smooth and flexible workplace environment. Though the organizations would want their employees to be at the workplace with complete involvement, there might be times when the employees would have to take day-offs.*
- *The aim of this project is to design and develop a database management system for an organization to maintain records of the leaves taken by its employees.*

PROBLEM DEFINITION

Leave Management System :

This database also maintains records of different leaves that the employees can avail:

- *Earned/Privilege leave*
- *Casual leave*
- *Medical leave*
- *Half-pay leave*
- *Maternity leave*
- *Marriage leave*
- *Vacation leave*
- *Sabbatical leave*
- *Lockdown leave*

Accordingly, the payroll system will also be related to this leave management system in order to maintain the salary records of the employees.

MOTIVATION

- *A lot of organizations today work day and night to improve the efficiency of the world in progressing. In such a case, no organization can compromise on the halt in the work flow. They would want their employees to give in their full cooperation and concentration in making the organization the best. But at unavoidable circumstances, the employees would have to take day-offs which would bring in a pause in the work flow. To efficiently handle the leaves taken by the employees and to arrange for the compensation during the employees' absence, we bring in this leave management system where most of the work gets done automatically and thus the paper work gets reduced. The motivation behind this project is to provide an efficient leave management system for organizations which would reduce the tedious paper work and make the whole system well-organized.*

MISSION

- *Our mission is to promote online leave management system where the tedious paper work is reduced and the allotment of leaves for the employees are done very efficiently. This kind of an online system helps in organizing the leave records in a systematic manner and hence the work flow is done smoothly.*

ROLE AND RESPONSIBILITIES

- *This online leave management system is developed to maintain a schematic database where the employees leave records are well-maintained. Such a system is imposed to maintain a better work environment and nurture the needs of the employees as well as the organization.*

SOFTWARE/TOOLS USED



FRONT END : JAVA

BACK END : MYSQL

TO ESTABLISH THE CONNECTION : JDBC

- *JDBC :JDBC stands for Java Database Connectivity. JDBC is a Java API to connect and execute the query with the database. It is a part of JavaSE (Java Standard Edition). JDBC API uses JDBC drivers to connect with the database.*
- *We can use JDBC API to handle database using Java program and can perform the following activities:*
 - ✓ *Connect to the database*
 - ✓ *Execute queries and update statements to the database*
 - ✓ *Retrieve the result received from the database.*

PACKAGES IMPORTED FROM JAVA IN OUR PROJECT :



- 1) `java.lang`: Contains language support classes like the classes which defines primitive data types, math operations etc. (This package is automatically imported.)
- 2) `java.io`: Contains classed for supporting input / output operations.
- 3) `java.util`: Contains utility classes which implement data structures like Linked List, Dictionary and support ; for Date / Time operations.
- 4) `java.awt`: Contain classes for implementing the components for graphical user interfaces (like button , ;menus etc). Java AWT (Abstract Window Toolkit) is an API to develop GUI or window-based applications in java. Eg: `TextField`, `Label`, `TextArea`, `RadioButton`, `CheckBox`, `Choice`, `List` etc.
- 5) `java.sql` : We have relational databases, from which at many times we need to access the data. For various data processing related matters from RDBMS we have `java.sql` package. This package include classes and interface to perform almost all JDBC operation such as creating and executing SQL Queries.
- 6) `javax.sql` : This package is also known as JDBC extension API. It provides classes and interface to access server-side data.
- 7) `javax.swing` : Java Swing is a part of Java Foundation Classes (JFC) that is used to create window-based applications. It is built on the top of AWT (Abstract Windowing Toolkit) API and entirely written in java. Unlike AWT, Java Swing provides platform-independent and lightweight components. Eg: `JButton`, `JTextField`, `JTextArea`, `JRadioButton`, `JCheckbox`, `JMenu`, `JColorChooser` etc.



UI SCREENSHOTS



Login Page

USER TYPE :

☐ ADMIN

☐ HR_MANAGER

☐ EMPLOYEE

USERNAME

PASSWORD

LOGIN

Forgot Password

Login_id	Password	User_Type
CB.EN.U4CSE19101	ramchandra_dasha	EMPLOYEE
CB.EN.U4CSE19102	armaan_malik	EMPLOYEE
CB.EN.U4CSE19103	arijit_singh	EMPLOYEE
CB.EN.U4CSE19104	sonu_nigam	EMPLOYEE
CB.EN.U4CSE19105	honey_singh	EMPLOYEE
CB.EN.U4CSE19106	ankit_tiwari	EMPLOYEE
CB.EN.U4CSE19107	rahat_khan	EMPLOYEE
CB.EN.U4CSE19108	neha_kakkar	EMPLOYEE
CB.EN.U4CSE19109	jonita_gandhi	EMPLOYEE
CB.EN.U4CSE19110	alka_yagnik	EMPLOYEE
CB.EN.U4CSE19118	Sri_Kavya	HR_MANAGER
CB.EN.U4CSE19131	Meenaksshi	HR_MANAGER
CB.EN.U4CSE19142	Harinya_Devi	HR_MANAGER
CB.EN.U4CSE19144	Sangeerthana	HR_MANAGER
NULL	NULL	NULL



Main
Page

First row
details entered
as login
credentials



UI SCREENSHOTS



Login Page

USER TYPE :

☐ ADMIN
☐ HR_MANAGER
☒ EMPLOYEE

USERNAME

CB.EN.U4CSE19101

PASSWORD

••••••••••••••••

LOGIN

Forgot Password

Login is
clicked

Dashboard

Message

i

Login Successful

OK

Apply leave

View leave History

User type, Username and
Password are verified
(compared with the DB)



UI SCREENSHOTS



Dashboard - X

**CB.EN.U4CSE19101**

Update Profile

Apply leave

View leave History

Username is displayed in the Dashboard

Reset Password - X

**CB.EN.U4CSE19101**

NEW PASSWORD :

RETYPE PASSWORD :

SAVE

UPDATE PROFILE IS CLICKED
THE USER CAN RESET HIS/HER PASSWORD



UI SCREENSHOTS



Reset Password - X

 **CB.EN.U4CSE19101**


NEW PASSWORD :

RETYPE PASSWORD :

SAVE

Password entered is "hello"

Reset Password - X


 **CB.EN.U4CSE19101**

NEW P

RETYPE

SAVE

Message X

 Password Changed

OK

Since New Password and Retype password matches, Password is updated in the DB



UI SCREENSHOTS



Login_id	Password	User_Type
CB.EN.U4CSE19101	hello	EMPLOYEE
CB.EN.U4CSE19102	armaan_malik	EMPLOYEE
CB.EN.U4CSE19103	arijit_singh	EMPLOYEE
CB.EN.U4CSE19104	sonu_nigam	EMPLOYEE
CB.EN.U4CSE19105	honey_singh	EMPLOYEE
CB.EN.U4CSE19106	ankit_tiwari	EMPLOYEE
CB.EN.U4CSE19107	rahat_khan	EMPLOYEE
CB.EN.U4CSE19108	neha_kakkar	EMPLOYEE
CB.EN.U4CSE19109	jonita_gandhi	EMPLOYEE
CB.EN.U4CSE19110	alka_yagnik	EMPLOYEE

**Password
updated
successfully**

Reset Password

CB.EN.U4CSE19101

NEW PASSWORD :

RETYPE PASSWORD :

SAVE

**IF BOTH THE
PASSWORDS
DOESN'T MATCH**



UI SCREENSHOTS



Login_id	Password	User_Type
CB.EN.U4CSE19101	ramchandra_dasha	EMPLOYEE
CB.EN.U4CSE19102	armaan_malik	EMPLOYEE
CB.EN.U4CSE19103	arijit_singh	EMPLOYEE
CB.EN.U4CSE19104	sonu_nigam	EMPLOYEE
CB.EN.U4CSE19105	honey_singh	EMPLOYEE
CB.EN.U4CSE19106	ankit_tiwari	EMPLOYEE
CB.EN.U4CSE19107	rahat_khan	EMPLOYEE
CB.EN.U4CSE19108	neha_kakkar	EMPLOYEE
CB.EN.U4CSE19109	jonita_gandhi	EMPLOYEE
CB.EN.U4CSE19110	alka_yagnik	EMPLOYEE
CB.EN.U4CSE19118	Sri_Kavya	HR_MANAGER
CB.EN.U4CSE19131	Meenaksshi	HR_MANAGER
CB.EN.U4CSE19142	Harinya_Devi	HR_MANAGER
CB.EN.U4CSE19144	Sangeerthana	HR_MANAGER
NULL	NULL	NULL

**PASSWORD IS NOT
UPDATED IN THE DB!!!**



UI SCREENSHOTS



IF THE EMPLOYEE
WANTS TO APPLY
FOR A LEAVE...





UI SCREENSHOTS



Enter Leave Details - X

Leave Type

No of days

Start date

End date

Reason

CANCEL **SUBMIT**

Message

No. of Leaves taken : 2
You can apply 3 more leaves for this month

OK

Enter Leave Details - X

Leave Type

No of days

Start date

End date

Reason

CANCEL **SUBMIT**

Leave Type

- Earned leave
- Casual leave
- Medical leave
- Half-pay leave
- Maternity leave
- Marriage leave
- Vacation leave
- Sabbatical leave

Leave balance is notified to the user

The user can't apply for a leave when his leave balance = 0 for that month

Employee can choose the type of leave from drop down menu



UI SCREENSHOTS



Enter Leave Details - X

Leave Type Medical leave

No of days

Start date 02-Dec-2020

End date 09-Dec-2020

Reason

CANCEL

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
49			1	2	3	4	5
50	6	7	8	9	10	11	12
51	13	14	15	16	17	18	19
52	20	21	22	23	24	25	26
01	27	28	29	30	31		

Enter Leave Details - X

Leave Type Medical leave

No of days

Start date 02-Dec-2020

End date 09-Dec-2020

Reason

CANCEL

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
49			1	2	3	4	5
50	6	7	8	9	10	11	12
51	13	14	15	16	17	18	19
52	20	21	22	23	24	25	26
01	27	28	29	30	31		

Jcalender jar file is downloaded
and imported to use
JdateChooser



UI SCREENSHOTS



Enter Leave Details - X

Leave Type Medical leave

No of days

Start date 02-Dec-2020

End date 09-Dec-2020

Reason health issues

CANCEL **SUBMIT**

**Slider is used to input
the number of days.**

**Min : 1
Max : 10**

Enter Leave Details - X

Leave Type Medical leave

No of da

Start da 02-Dec-2020

End dat 09-Dec-2020

Reason health issues

CANCEL **SUBMIT**

Message

Leave request sent!!

OK

**A message is sent to
the HR Manager**



UI SCREENSHOTS



leave_id	leave_type	start_date	end_date	reason	status	admin_feedback	date_of_feedback
LCH01	Casual leave	2020-01-15	2020-01-16	Break from work	Accepted	Reason valid	2020-01-14
LEE01	Earned leave	2020-01-25	2020-01-27	Family function	Accepted	Reason valid	2020-01-24
LLP01	Lockdown leave	2020-01-07	2020-01-27	Lockdown in residing area	Not accepted	Work from home granted	2020-01-08
LMD01	Medical leave	2020-01-03	2020-01-06	Health issues	Accepted	Reason valid	2020-01-03
LME04	Medical leave	2020-01-11	2020-01-23	Health reasons	Accepted	Reason valid	2020-01-10
LMH01	Marriage leave	2020-01-22	2020-01-25	Marriage	Accepted	Reason valid	2020-01-20
LVE02	Vacation leave	2020-01-10	2020-01-20	Foreign Vacation	Not accepted	Long break	2020-01-09
LVE05	Medical leave	2020-11-18	2020-11-23	Admitted in hospital	Accepted	Reason valid	2020-11-30
LVE06	Casual leave	2020-11-10	2020-11-16	Public Holiday	Accepted	Reason valid	2020-11-30
LVE07	Marriage leave	2020-11-16	2020-11-26	Marriage	PENDING	NULL	NULL
LVE08	Marriage leave	2020-11-19	2020-11-26	Marriage leave	PENDING	NULL	NULL
LVE09	Medical leave	2020-12-02	2020-12-09	health issues	PENDING	NULL	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

**Leave details updated in the DataBase
in MYSQL**

**Status is set to “PENDING” by
default until the HR Manager
approves/rejects the leave**



UI SCREENSHOTS



IF THE EMPLOYEE
WANTS TO VIEW
HIS/HER LEAVE
HISTORY..



UI SCREENSHOTS



<i>Leave History</i> - X							
leave_id	leave_type	start_date	end_date	reason	status	admin_feedba..	date_of_feedb..
LCH01	Casual leave	2020-01-15	2020-01-16	Break from w...	Accepted	Reason valid	2020-01-14
LEE01	Earned leave	2020-01-25	2020-01-27	Family function	Accepted	Reason valid	2020-01-24
LLP01	Lockdown lea...	2020-01-07	2020-01-27	Lockdown in r...	Not accepted	Work from ho...	2020-01-08
LMD01	Medical leave	2020-01-03	2020-01-06	Health issues	Accepted	Reason valid	2020-01-03
LME04	Medical leave	2020-01-11	2020-01-23	Health reasons	Accepted	Reason valid	2020-01-10
LMH01	Marriage leave	2020-01-22	2020-01-25	Marriage	Accepted	Reason valid	2020-01-20
LVE02	Vacation leave	2020-01-10	2020-01-20	Foreign Vacati...	Not accepted	Long break	2020-01-09
LVE05	Medical leave	2020-11-18	2020-11-23	Admitted in ho...	Accepted	Reason valid	2020-11-30
LVE06	Casual leave	2020-11-10	2020-11-16	Public Holiday	Accepted	Reason valid	2020-11-30
LVE07	Marriage leave	2020-11-16	2020-11-26	Marriage	PENDING		
LVE08	Marriage leave	2020-11-19	2020-11-26	Marriage leave	PENDING		
LVE09	Medical leave	2020-12-02	2020-12-09	health issues	PENDING		

**ALL DETAILS ARE RETRIEVED
FROM THE DATABASE AND
DISPLAYED TO THE EMPLOYEE**



UI SCREENSHOTS



Login_id	Password	User_Type
CB.EN.U4CSE19101	ramchandra_dasha	EMPLOYEE
CB.EN.U4CSE19102	armaan_malik	EMPLOYEE
CB.EN.U4CSE19103	arijit_singh	EMPLOYEE
CB.EN.U4CSE19104	sonu_nigam	EMPLOYEE
CB.EN.U4CSE19105	honey_singh	EMPLOYEE
CB.EN.U4CSE19106	ankit_tiwari	EMPLOYEE
CB.EN.U4CSE19107	rahat_khan	EMPLOYEE
CB.EN.U4CSE19108	neha_kakkar	EMPLOYEE
CB.EN.U4CSE19109	jonita_gandhi	EMPLOYEE
CB.EN.U4CSE19110	alka_yagnik	EMPLOYEE
CB.EN.U4CSE19118	Sri Kavya	HR_MANAGER
CB.EN.U4CSE19131	Meenaksshi	HR_MANAGER
CB.EN.U4CSE19142	Harinya_Devi	HR_MANAGER
CB.EN.U4CSE19144	Sangeerthana	HR_MANAGER
NULL	NULL	NULL

**These details
are entered as
login
credentials**

Login Page

USER TYPE :

☐ ADMIN
☒ HR_MANAGER
☐ EMPLOYEE

USERNAME

CB.EN.U4CSE19131

PASSWORD

●●●●●●●●

LOGIN

Forgot Password

**WHEN THE HR
MANAGER
LOGS IN INTO
HIS/HER
ACCOUNT**



UI SCREENSHOTS



User type, Username and Password are verified (compared with the DB)

Dashboard HR Manager

leave_id	leave_type	start_date	end_date	reason	status	admin_feedba..	date_of_feedb..
LVE07	Marriage leave	2020-11-16	2020-11-26	Marriage	PENDING		
LVE08	Marriage leave	2020-11-19	2020-11-26	Marriage leave	PENDING		
LVE09	Medical leave	2020-1					

LEAVE ID :

STATUS :

FEEDBACK :

SAVE

Message

i

Login Successful

OK



UI SCREENSHOTS



Dashboard HR Manager - X

leave_id	leave_type	start_date	end_date	reason	status	admin_feedba..	date_of_feedb..
LVE07	Marriage leave	2020-11-16	2020-11-26	Marriage	PENDING		
LVE08	Marriage leave	2020-11-19	2020-11-26	Marriage leave	PENDING		
LVE09	Medical leave	2020-12-02	2020-12-09	health issues	PENDING		

LEAVE ID :

FEEDBACK :

STATUS :

HR manager enters the corresponding leave id and updates the status



UI SCREENSHOTS



Dashboard HR Manager

leave_id	leave_type	start_date	end_date	reason	status	admin_feedba..	date_of_feedb..
LVE07	Marriage leave	2020-11-16	2020-11-26	Marriage	PENDING		
LVE08	Marriage leave	2020-11-19	2020-11-26	Marriage leave	PENDING		
LVE09	Medical leave	2020-1					

LEAVE ID :

LVE09

STATUS :

ACCEPTED

REASON VALID

FEEDBACK :

SAVE

Message

i

Feedback sent

OK

Details will be updated in the DB



UI SCREENSHOTS



leave_id	leave_type	start_date	end_date	reason	status	admin_feedback	date_of_feedback
LCH01	Casual leave	2020-01-15	2020-01-16	Break from work	Accepted	Reason valid	2020-01-14
LEE01	Earned leave	2020-01-25	2020-01-27	Family function	Accepted	Reason valid	2020-01-24
LLP01	Lockdown leave	2020-01-07	2020-01-27	Lockdown in residing area	Not accepted	Work from home granted	2020-01-08
LMD01	Medical leave	2020-01-03	2020-01-06	Health issues	Accepted	Reason valid	2020-01-03
LME04	Medical leave	2020-01-11	2020-01-23	Health reasons	Accepted	Reason valid	2020-01-10
LMH01	Marriage leave	2020-01-22	2020-01-25	Marriage	Accepted	Reason valid	2020-01-20
LVE02	Vacation leave	2020-01-10	2020-01-20	Foreign Vacation	Not accepted	Long break	2020-01-09
LVE05	Medical leave	2020-11-18	2020-11-23	Admitted in hospital	Accepted	Reason valid	2020-11-30
LVE06	Casual leave	2020-11-10	2020-11-16	Public Holiday	Accepted	Reason valid	2020-11-30
LVE07	Marriage leave	2020-11-16	2020-11-26	Marriage	PENDING	NULL	NULL
LVE08	Marriage leave	2020-11-19	2020-11-26	Marriage leave	PENDING	NULL	NULL
LVE09	Medical leave	2020-12-02	2020-12-09	health issues	Accepted	Reason valid	2020-11-30
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

**Leave details updated in the DataBase
in MYSQL**

**Status is set to “ACCEPTED”
and the date_of_feedback will
be set automatically to the
current date**



UI SCREENSHOTS



Login Page - X

USER TYPE :
☐ ADMIN
☐ HR_MANAGER
☒ EMPLOYEE

USERNAME
QWERTYUIO

PASSWORD
●●●●●●●●

LOGIN Forgot Password

If invalid
credentials
are entered :

Login Page - X

Message X

USE
USE

Invalid username/password

OK

PASSWORD
●●●●●●●●

LOGIN Forgot Password

Appropriate
message is
displayed



UI SCREENSHOTS



Login Page

USER TYPE :

☐ ADMIN
☐ HR_MANAGER
☒ EMPLOYEE

USERNAME

CB.EN.U4CSE19108

PASSWORD

LOGIN

Forgot Password

IF THE USER FORGETS HIS/HER
PASSWORD ...

Reset Password

CB.EN.U4CSE19108

NEW PASSWORD :

RETYPE PASSWORD :

SAVE

THE USER CAN RESET
HIS/HER PASSWORD



UI SCREENSHOTS



Reset Password - X

CB.EN.U4CSE19108

NEW PASSWORD: [masked]

RETYPE PASSWORD: [masked]

SAVE



Password
entered is
"HELLO"

Reset Password - X

CB.EN.U4CSE19108

NEW P [masked]

RETYPE [masked]

SAVE

Message

Password Changed

OK



Since New Password and
Retype password
matches, Password is
updated in the DB



UI SCREENSHOTS



Login_id	Password	User_Type
CB.EN.U4CSE19101	ramchandra_dasha	EMPLOYEE
CB.EN.U4CSE19102	armaan_malik	EMPLOYEE
CB.EN.U4CSE19103	arijit_singh	EMPLOYEE
CB.EN.U4CSE19104	sonu_nigam	EMPLOYEE
CB.EN.U4CSE19105	honey_singh	EMPLOYEE
CB.EN.U4CSE19106	ankit_tiwari	EMPLOYEE
CB.EN.U4CSE19107	rahat_khan	EMPLOYEE
CB.EN.U4CSE19108	HELLO	EMPLOYEE
CB.EN.U4CSE19109	jonita_gandhi	EMPLOYEE
CB.EN.U4CSE19110	alka_yagnik	EMPLOYEE
CB.EN.U4CSE19118	Sri_Kavya	HR_MANAGER
CB.EN.U4CSE19131	Meenaksshi	HR_MANAGER
CB.EN.U4CSE19142	Harinya_Devi	HR_MANAGER
CB.EN.U4CSE19144	Sangeerthana	HR_MANAGER
NULL	NULL	NULL

**Password is updated
successfully**



UI SCREENSHOTS



Login_id	Password	User_Type
CB.EN.U4CSE19101	ramchandra_dasha	EMPLOYEE
CB.EN.U4CSE19102	armaan_malik	EMPLOYEE
CB.EN.U4CSE19103	arijit_singh	EMPLOYEE
CB.EN.U4CSE19104	sonu_nigam	EMPLOYEE
CB.EN.U4CSE19105	honey_singh	EMPLOYEE
CB.EN.U4CSE19106	ankit_tiwari	EMPLOYEE
CB.EN.U4CSE19107	rahat_khan	EMPLOYEE
CB.EN.U4CSE19108	neha_kakkar	EMPLOYEE
CB.EN.U4CSE19109	jonita_gandhi	EMPLOYEE
CB.EN.U4CSE19110	alka_yagnik	EMPLOYEE
CB.EN.U4CSE19118	Sri Kavya	HR_MANAGER
CB.EN.U4CSE19131	Meenaksshi	ADMIN
CB.EN.U4CSE19142	Harinya_Devi	ADMIN
CB.EN.U4CSE19144	Sangeerthana	HR_MANAGER
NULL	NULL	NULL

These details
are entered as
login
credentials

**SYSTEM
ADMIN LOGS
IN INTO
HIS/HER
ACCOUNT**

Login Page

USER TYPE :

☒ ADMIN
☐ HR_MANAGER
☐ EMPLOYEE

USERNAME

CB.EN.U4CSE19131

PASSWORD

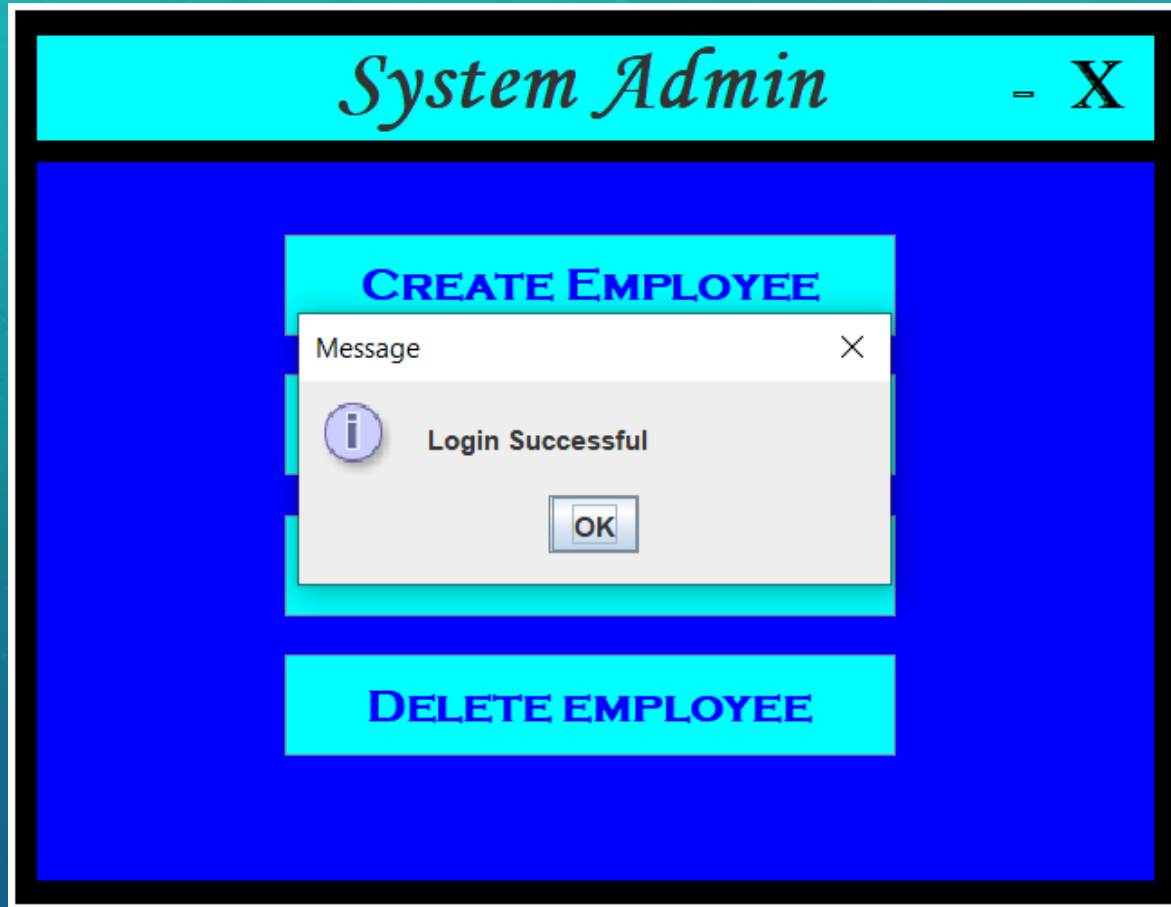
●●●●●●●●

LOGIN

Forgot Password



UI SCREENSHOTS



User type, Username and Password are verified (compared with the DB)



UI SCREENSHOTS



emp_id	first_name	middle_name	last_name	gender	job_code	dob	door_no	street_name	marital_status	no_of_days_worked	dept_code	pincode	payroll_id	dept_name	designation	login
A1102	Neha	A	Kakkar	F	M111	1993-02-23	113	Shree Avenue	N	29	AM101	560025	NK101	Administration	Manager	CB.E
D1101	Sonu	T	Nigam	M	D111	1985-04-11	78	Avenue Street	N	24	HR101	500040	SN101	HR	Developer	CB.E
E1101	Armaan	B	Malik	M	E111	1992-06-02	65	Brigade Road	N	26	MR101	600018	AR101	Marketing	Executive	CB.E
E1102	Ankit	T	Tiwari	M	E111	1990-12-15	37	Abids Street	N	30	FI101	641024	AT101	Finance	Executive	CB.E
E1103	Rahat	Fateh	Khan	M	E111	1989-08-19	28	Nizam Avenue	Y	28	MR101	600018	RK101	Marketing	Executive	CB.E
E1104	Alka	Yag	Yagnik	F	E111	1987-06-18	87	Prince Layout	N	28	FI101	682011	AY101	Finance	Executive	CB.E
H1101	Jonita	P	Gandhi	F	D111	1988-02-05	145	Infopark Layout	Y	22	HR101	500040	JG101	HR	Developer	CB.E
M1101	Honey	Yo	Singh	M	M111	1992-11-30	12	Residency Road	Y	28	AM101	682011	HS101	Administration	Manager	CB.E
P1101	Ram	Chandra	Anand	M	P111	1990-01-01	20	Ayodhya Street	Y	25	PR101	641024	RC101	Production	Programmer	CB.E
S1101	Arijit	Sanu	Singh	M	S111	1989-03-26	118	Chickpet Street	Y	25	AM101	560025	AS101	Administration	System admin	CB.E
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

**Before entering details
of new employee**

**10
ROWS!!**



UI SCREENSHOTS



Create Employee Record

- x

Emp id	<input type="text" value="A1101"/>	Payroll id	<input type="text" value="AB101"/>
First Name	<input type="text" value="Albert"/>	Job code	<input type="text" value="D111"/>
Middle Name	<input type="text" value="Hermann"/>	Dept code	<input type="text" value="HR101"/>
Last Name	<input type="text" value="Einstein"/>	Designation	<input type="text" value="Developer"/>
Gender	<input checked="" type="radio"/> M <input type="radio"/> F	Login id	<input type="text" value="B.EN.U4CSE19170"/>
DOB	<input type="text" value="14-May-1998"/>	Dept Name	<input type="text" value="HR"/>
Marital Status	<input type="text" value="Y"/> Enter 'Y' for married or 'N' for unmarried		
Address:			
Door No	<input type="text" value="112"/>	Street Name	<input type="text" value="Mercer Street"/>
Pincode	<input type="text" value="641024"/>		
<input type="button" value="Cancel"/>		<input type="button" value="Submit"/>	



UI SCREENSHOTS



Create Employee Record - x

Emp id	<input type="text" value="A1101"/>	Payroll id	<input type="text" value="AB101"/>
First Name	<input type="text" value="Albert"/>	Job code	<input type="text" value="D111"/>
Middle Name	<input type="text" value="Hermann"/>	Dept code	<input type="text" value="HR101"/>
Last Name	<input type="text" value="Einstein"/>	Designation	<input type="text" value="Developer"/>
Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female	Emp id	<input type="text" value="CB.EN.U4CSE19170"/>
DOB	<input type="text" value="14-May"/>	Name	<input type="text" value="HR"/>
Marital Status	<input type="text" value="Y"/>		
Address:			
Door No	<input type="text" value="112"/>	Street Name	<input type="text" value="Mercer Street"/>
Pincode	<input type="text" value="641024"/>		

Message

New Employee Record Created



UI SCREENSHOTS



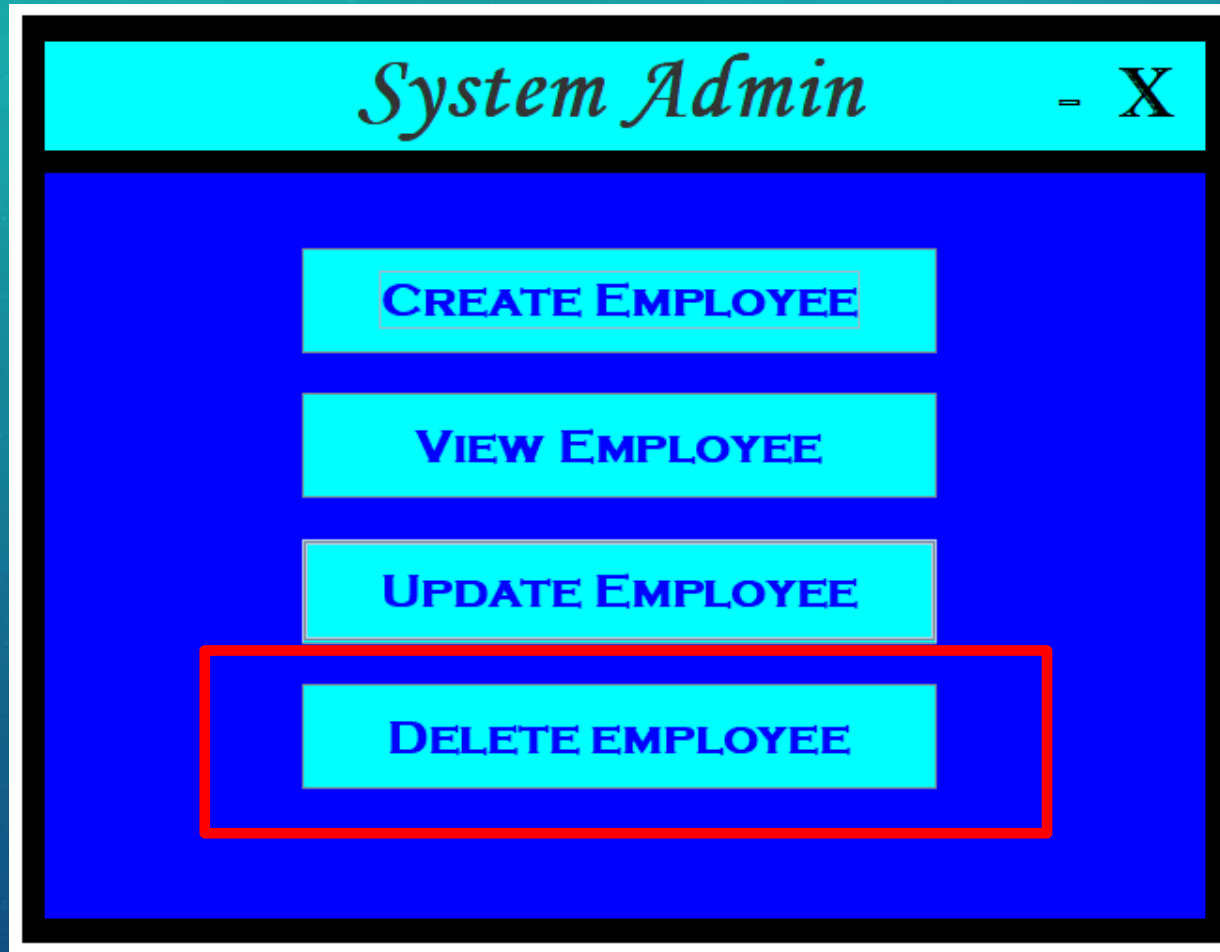
emp_id	first_name	middle_name	last_name	gender	job_code	dob	door_no	street_name	marital_status	no_of_days_worked	dept_code	pincode	payroll_id	dept_name	designation	login
A1101	Albert	Hermann	Einstein	M	D111	1998-05-14	112	Mercer Street	Y	0	HR101	641024	AB101	HR	Developer	CB.EN
A1102	Neha	A	Kakkar	F	M111	1993-02-23	113	Shree Avenue	N	29	AM101	560025	NK101	Administration	Manager	CB.EN
D1101	Sonu	T	Nigam	M	D111	1985-04-11	78	Avenue Street	N	24	HR101	500040	SN101	HR	Developer	CB.EN
E1101	Armaan	B	Malik	M	E111	1992-06-02	65	Brigade Road	N	26	MR101	600018	AR101	Marketing	Executive	CB.EN
E1102	Ankit	T	Tiwari	M	E111	1990-12-15	37	Abids Street	N	30	FI101	641024	AT101	Finance	Executive	CB.EN
E1103	Rahat	Fateh	Khan	M	E111	1989-08-19	28	Nizam Avenue	Y	28	MR101	600018	RK101	Marketing	Executive	CB.EN
E1104	Alka	Yag	Yagnik	F	E111	1987-06-18	87	Prince Layout	N	28	FI101	682011	AY101	Finance	Executive	CB.EN
H1101	Jonita	P	Gandhi	F	D111	1988-02-05	145	Infopark Layout	Y	22	HR101	500040	JG101	HR	Developer	CB.EN
M1101	Honey	Yo	Singh	M	M111	1992-11-30	12	Residency Road	Y	28	AM101	682011	HS101	Administration	Manager	CB.EN
P1101	Ram	Chandra	Anand	M	P111	1990-01-01	20	Ayodhya Street	Y	25	PR101	641024	RC101	Production	Programmer	CB.EN
S1101	Arijit	Sanu	Singh	M	S111	1989-03-26	118	Chickpet Street	Y	25	AM101	560025	AS101	Administration	System admin	CB.EN
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

**Details of new employee
is inserted as a separate
row in the DB**

**11
ROWS!!**



UI SCREENSHOTS



**IF THE ADMIN
WANTS TO DELETE
THE DETAILS OF AN
EMPLOYEE FROM THE
DB**



UI SCREENSHOTS



Delete Employee - X

Enter emp_id

A1101|

SUBMIT

Delete Employee - X

Enter emn id

Message

×



Employee info deleted

OK

SUBMIT



UI SCREENSHOTS



emp_id	first_name	middle_name	last_name	gender	job_code	dob	door_no	street_name	marital_status	no_of_days_worked	dept_code	pincode	payroll_id	dept_name	designation	login
A1102	Neha	A	Kakkar	F	M111	1993-02-23	113	Shree Avenue	N	29	AM101	560025	NK101	Administration	Manager	CB.E
D1101	Sonu	T	Nigam	M	D111	1985-04-11	78	Avenue Street	N	24	HR101	500040	SN101	HR	Developer	CB.E
E1101	Armaan	B	Malik	M	E111	1992-06-02	65	Brigade Road	N	26	MR101	600018	AR101	Marketing	Executive	CB.E
E1102	Ankit	T	Tiwari	M	E111	1990-12-15	37	Abids Street	N	30	FI101	641024	AT101	Finance	Executive	CB.E
E1103	Rahat	Fateh	Khan	M	E111	1989-08-19	28	Nizam Avenue	Y	28	MR101	600018	RK101	Marketing	Executive	CB.E
E1104	Alka	Yag	Yagnik	F	E111	1987-06-18	87	Prince Layout	N	28	FI101	682011	AY101	Finance	Executive	CB.E
H1101	Jonita	P	Gandhi	F	D111	1988-02-05	145	Infopark Layout	Y	22	HR101	500040	JG101	HR	Developer	CB.E
M1101	Honey	Yo	Singh	M	M111	1992-11-30	12	Residency Road	Y	28	AM101	682011	HS101	Administration	Manager	CB.E
P1101	Ram	Chandra	Anand	M	P111	1990-01-01	20	Ayodhya Street	Y	25	PR101	641024	RC101	Production	Programmer	CB.E
S1101	Arijit	Sanu	Singh	M	S111	1989-03-26	118	Chickpet Street	Y	25	AM101	560025	AS101	Administration	System admin	CB.E
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

**Details of employee is
DELETED from the DB**

**10
ROWS!!**



UI SCREENSHOTS



System Admin - X

CREATE EMPLOYEE

VIEW EMPLOYEE

UPDATE EMPLOYEE

DELETE EMPLOYEE

View Employee - X

Enter emp_id

A1102

SUBMIT



UI SCREENSHOTS



Employee Table

- X

emp_id	first_name	middle_name	last_name	gender	job_code	dob	door_no	street_name	marital_status	no_of_days_w...	dept_code	pincode	payroll_id	dept_name	designation	login_id
A1102	Neha	A	Kakkar	F	M111	1993-02-23	113	Shree Avenue	N	29	AM101	560025	NK101	Administration	Manager	CB.EN.U4CS...

**Details of employee is
retrieved from the DB
and displayed**



UI SCREENSHOTS



System Admin - X

CREATE EMPLOYEE

VIEW EMPLOYEE

UPDATE EMPLOYEE

DELETE EMPLOYEE

Update Employee Record - X

You can update the following details only.
Which one do you want to update?

☐ Address

☐ Mail ID

☐ Phone number

Next



UI SCREENSHOTS



emp_id	first_name	middle_name	last_name	gender	job_code	dob	door_no	street_name	marital_status	no_of_days_worked	dept_code	pincode	payroll_id	dept_name	designation	login
A1102	Neha	A	Kakkar	F	M111	1993-02-23	113	Shree Avenue	N	29	AM101	560025	NK101	Administration	Manager	CB.E
D1101	Sonu	T	Nigam	M	D111	1985-04-11	78	Avenue Street	N	24	HR101	500040	SN101	HR	Developer	CB.E
E1101	Armaan	B	Malik	M	E111	1992-06-02	65	Brigade Road	N	26	MR101	600018	AR101	Marketing	Executive	CB.E
E1102	Ankit	T	Tiwari	M	E111	1990-12-15	37	Abids Street	N	30	FI101	641024	AT101	Finance	Executive	CB.E
E1103	Rahat	Fateh	Khan	M	E111	1989-08-19	28	Nizam Avenue	Y	28	MR101	600018	RK101	Marketing	Executive	CB.E
E1104	Alka	Yag	Yagnik	F	E111	1987-06-18	87	Prince Layout	N	28	FI101	682011	AY101	Finance	Executive	CB.E
H1101	Jonita	P	Gandhi	F	D111	1988-02-05	145	Infopark Layout	Y	22	HR101	500040	JG101	HR	Developer	CB.E
M1101	Honey	Yo	Singh	M	M111	1992-11-30	12	Residency Road	Y	28	AM101	682011	HS101	Administration	Manager	CB.E
P1101	Ram	Chandra	Anand	M	P111	1990-01-01	20	Ayodhya Street	Y	25	PR101	641024	RC101	Production	Programmer	CB.E
S1101	Arijit	Sanu	Singh	M	S111	1989-03-26	118	Chickpet Street	Y	25	AM101	560025	AS101	Administration	System admin	CB.E
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

**Before updating the
employee's address**



UI SCREENSHOTS



Update Employee Record - X

You can update the following details only.
Which one do you want to update?

☒ Address

☐ Mail ID

☐ Phone number

Next

Update Address - X

Employee ID

P1101

Door No

32

Street Name

Mithila Street

Pincode

682011

Cancel

Submit



UI SCREENSHOTS



emp_id	first_name	middle_name	last_name	gender	job_code	dob	door_no	street_name	marital_status	no_of_days_worked	dept_code	pincode	payroll_id	dept_name	designation	logi
A1102	Neha	A	Kakkar	F	M111	1993-02-23	113	Shree Avenue	N	29	AM101	560025	NK101	Administration	Manager	CB.E
D1101	Sonu	T	Nigam	M	D111	1985-04-11	78	Avenue Street	N	24	HR101	500040	SN101	HR	Developer	CB.E
E1101	Armaan	B	Malik	M	E111	1992-06-02	65	Brigade Road	N	26	MR101	600018	AR101	Marketing	Executive	CB.E
E1102	Ankit	T	Tiwari	M	E111	1990-12-15	37	Abids Street	N	30	FI101	641024	AT101	Finance	Executive	CB.E
E1103	Rahat	Fateh	Khan	M	E111	1989-08-19	28	Nizam Avenue	Y	28	MR101	600018	RK101	Marketing	Executive	CB.E
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H1101	Jonita	P	Gandhi	F	D111	1988-02-05	145	Infopark Layout	Y	22	HR101	500040	JG101	HR	Developer	CB.E
M1101	Honev	Yo	Singh	M	M111	1992-11-30	12	Residency Road	Y	28	AM101	682011	HS101	Administration	Manager	CB.E
P1101	Ram	Chandra	Anand	M	P111	1990-01-01	32	Mithila Street	Y	25	PR101	682011	RC101	Production	Programmer	CB.E
S1101	Arijit	Sanu	Singh	M	S111	1989-03-26	118	Chickpet Street	Y	25	AM101	560025	AS101	Administration	System admin	CB.E
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

**After updating the
employee's address**



UI SCREENSHOTS



emp_id	mail_id
A1102	neha@gmail.com
D1101	sonunigam@gmail.com
E1101	armaan@gmail.com
E1102	ankit@gmail.com
E1103	rahatkhan@gmail.com
E1104	alka@gmail.com
H1101	jonita@gmail.com
M1101	honey@gmail.com
P1101	ramchadra@gmail.com
S1101	arijit@gmail.com
NULL	NULL

Before updating the employee's mail id

Update Employee Record - X

**You can update the following details only.
Which one do you want to update?**

- ☐ Address
- ☒ Mail ID
- ☐ Phone number

Next



UI SCREENSHOTS



Update Mail Id - x

Employee ID

S1101

New Mail Id

arijitsanu@gmail.com

Cancel

Submit

Update Mail Id - x

Empl

New

ail.com

Cancel

Submit

Message

i

Mail ID updated

OK



UI SCREENSHOTS



emp_id	mail_id
A1102	neha@gmail.com
D1101	sonunigam@gmail.com
E1101	armaan@gmail.com
E1102	ankit@gmail.com
E1103	rahatkhan@gmail.com
E1104	alka@gmail.com
H1101	jonita@gmail.com
M1101	honey@gmail.com
P1101	ramchadra@gmail.com
S1101	arijitsanu@gmail.com
NULL	NULL

**After updating the
employee's mail id**



UI SCREENSHOTS



emp_id	phone_no
A1102	9173527950
D1101	9503857428
E1101	7596038277
E1102	7496392578
E1103	9218742900
E1104	7492929184
H1101	9485628890
M1101	9744264889
P1101	9876549309
S1101	8495739937
NULL	NULL

**Before updating the
employee's phone number**

Update Employee Record - X

**You can update the following details only.
Which one do you want to update?**

☐ Address

☐ Mail ID

☒ Phone number

Next



UI SCREENSHOTS



Update Phone No - x

Employee ID

M1101

New Phone No

9344677915

Cancel

Submit

Update Phone No - x

Empl

New

Message



Phone Number updated

OK

Cancel

Submit



UI SCREENSHOTS



emp_id	phone_no
A1102	9173527950
D1101	9503857428
E1101	7596038277
E1102	7496392578
E1103	9218742900
E1104	7492929184
H1101	9485628890
M1101	9344677915
P1101	9876549309
S1101	8495739937
NULL	NULL

**After updating the
employee's phone number**

CONCLUSION

- *To conclude, we have designed a system with a leave application management which can take request of the employees for leaves to be applied according to its own set of attributes filled by the user. This system is much capable of tracking the leaves of the employees by the HR Manager which would enable the organization to have clear cut records.*

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THANK YOU

