Human Resource Management Application

A GUI based OOM Mini Project

Overview

a GUI based application which would use limited number of employees for a company and display the projects they are working on, the number of leaves they have taken and have left, their designation and more.
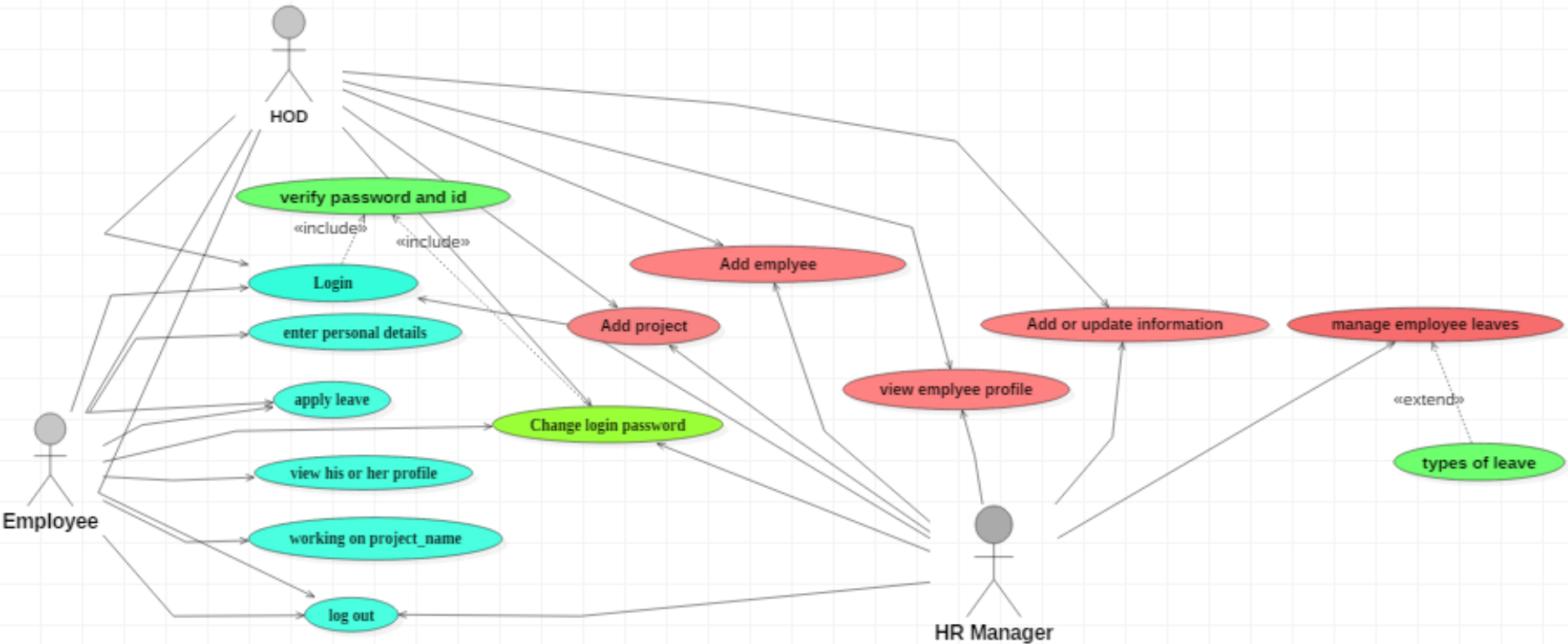
Developed using   JAVA,SQL

Abstract

The " Human Resource Management System" has been developed to overcome the problem prevailing in practicing manual management system. This software is supported to eliminate and in some case reduce the hardships faced by the existing system. Moreover the software is designed for the particular need of company to carry out operation in smooth and effective manner.
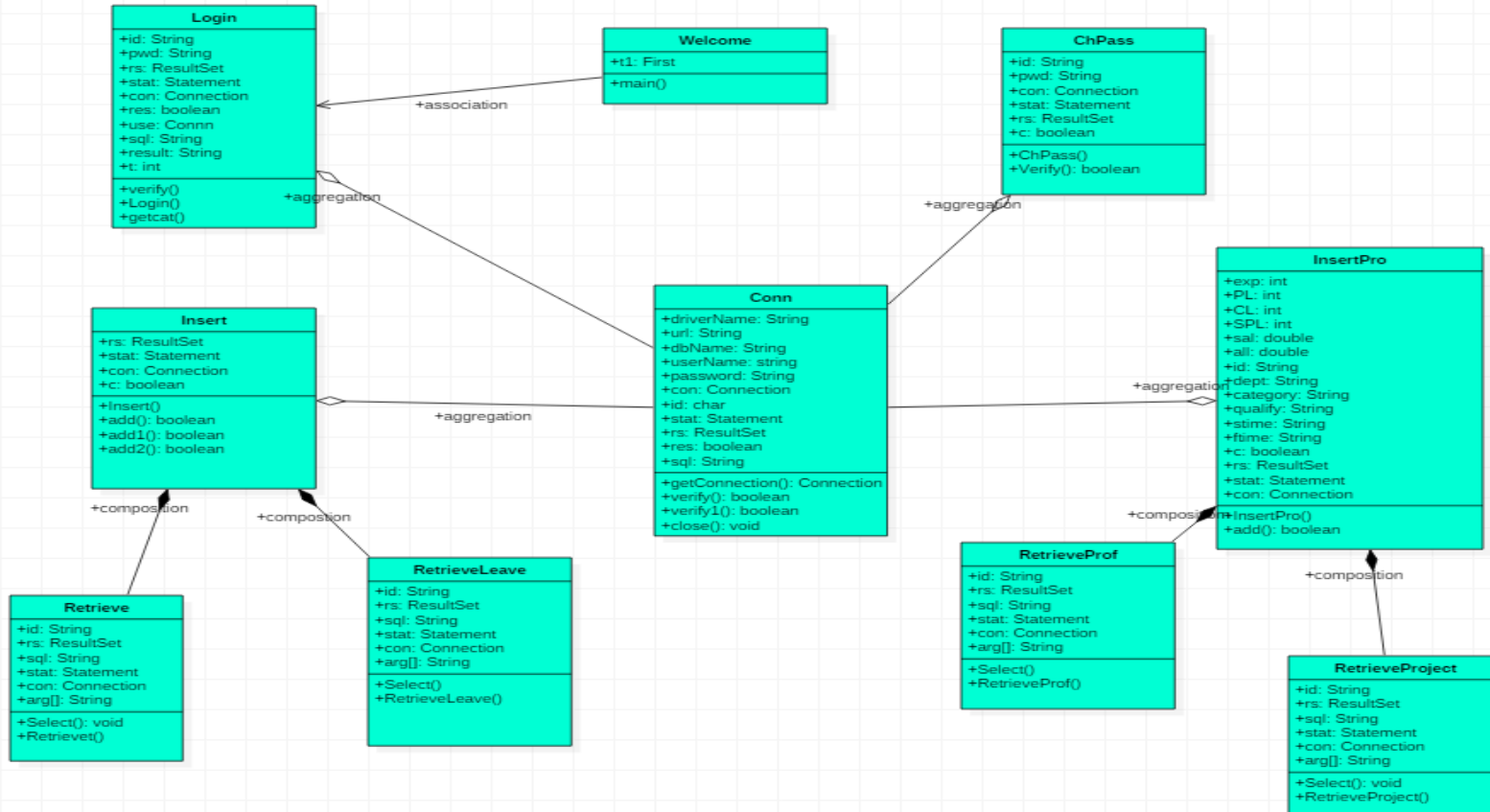
The application is reduced to as much as possible to avoid error while entering the data. It also provide error message while entering invalid data. No form of programming knowledge is needed for user to use this system. Thus making it highly user-friendly.

Design & Implementation

Use Case diagram

Class Diagram

Login
+id: String
+pwd: String
+rs: ResultSet
+stat: Statement
+con: Connection
+res: boolean
+use: Connn
+sql: String
+result: String
+t: int

+verify()
+Login()
+getcat()

Welcome
+t1: First

+main()

ChPass
+id: String
+pwd: String
+con: Connection
+stat: Statement
+rs: ResultSet
+c: boolean

+ChPass()
+Verify(): boolean

+association

+aggregation

+aggregation

InsertPro
+exp: int
+PL: int
+CL: int
+SPL: int
+sal: double
+all: double
+id: String
+dept: String
+category: String
+qualify: String
+stime: String
+ftime: String
+c: boolean
+rs: ResultSet
+stat: Statement
+con: Connection

+InsertPro()
+add(): boolean

Insert
+rs: ResultSet
+stat: Statement
+con: Connection
+c: boolean

+Insert()
+add(): boolean
+add1(): boolean
+add2(): boolean

Conn
+driverName: String
+url: String
+dbName: String
+userName: string
+password: String
+con: Connection
+id: char
+stat: Statement
+rs: ResultSet
+res: boolean
+sql: String

+getConnection(): Connection
+verify(): boolean
+verify1(): boolean
+close(): void

+aggregation

+aggregation

+composition

+compostion

Retrieve
+id: String
+rs: ResultSet
+sql: String
+stat: Statement
+con: Connection
+arg[]: String

+Select(): void
+Retrievet()

RetrieveLeave
+id: String
+rs: ResultSet
+sql: String
+stat: Statement
+con: Connection
+arg[]: String

+Select()
+RetrieveLeave()

RetrieveProf
+id: String
+rs: ResultSet
+sql: String
+stat: Statement
+con: Connection
+arg[]: String

+Select()
+RetrieveProf()

+compostion

+compostion

RetrieveProject
+id: String
+rs: ResultSet
+sql: String
+stat: Statement
+con: Connection
+arg[]: String

+Select(): void
+RetrieveProject()

CRC Models

First	
Login into Database	Login Password

Form_EMP	
Leave Apply Leave Info View Employee Change Password View Project	Leave View ChPass Project

Form_HRM	
Add/Update Professional Change Password View Employee Project Leave Info	InsertPro ChPass View Project Leave

Form_HOD	
Add/Update Professional Change Password View Employee Project Leave (View info,Apply)	InsertPro ChPass View Project Leave

View	
Project Professional Leave Personal	Retrieve Project Retrieve Professional Retrieve Leave Retrieve Personal

User Interface & Functionality

Login Form :

Enter ID: [   ]

Enter Password: [   ]

[Submit]   [Cancel]

Leave info   View Employee   Change Password

ENTER EMPLOYEE ID

| View Personal | View Professional | View Leave Info | View Project Info |

Update/Add Professional Info   View Employee   Add/Update Employee/Personal Info   Change Password   Projects

Registration Form in Windows Form:

LOGOUT

ID

First Name:

Last Name:

Gender: ◯ Male   ◯ Female

DOB: YYYY-MM-DD

Address:

Password:

Email ID: someone@something.com

Contact No.:   +91

Submit   Clear

Password

OLD PASSWORD   [   ]   ☐ Show Password

NEW PASSWORD   [   ]   ☐ Show Password

RE TYPE-PASSWO... [   ]   ☐ show password   (Password should be beween 5 and 12)

SUBMIT

Update/Add Professional Info   View Employee   Add/Update Employee/Personal Info   Change Password   Projects

---------Update Project Info---------

Employee ID   [   ]

FROM DATE   [   ]   View Current Project

Project Title   [   ]

SUBMIT   CLEAR

Resources Used

NetBeans

StarUML

JavaTpoint

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Thank You