

PAYROLL MANAGEMENT SYSTEM

1. Introduction

A payroll management system is a software that is used to manage all your employee's financial records in a simple and automated fashion. This payroll management system manages employee's salaries, deductions, other conveyance, net pay, bonuses and generation of pay-slips, etc.

1.1 Purpose

Main aim of developing Employee Payroll Management is to provide an easy way not only to automate all functionalities involved managing leaves and Payroll for the employees of Company, but also to provide full functional reports to management of Company with the details about usage of leave facility.

We are committed to bring the best way of management in the various forms of EPM. We understand that EPM is not a product to be sold, it is a tool to manage the inner operation of Company related to employee leave and Payroll.

1.2 Scope

This Application works in Multiple PC's installed on multiple Computers but sharing same database by which users of different department can use it sitting at different locations simultaneously.

1.3 Benefits

- To improve the efficiency.
- Quickly find out information of an employee details.
- To provide easy and faster access information.
- To provide user friendly environment.

1.4 Project Overview

A payroll management system is a 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.

The following subsections provide the complete overview of the software specifications requirements documentation for the product Employee Payroll Management. The entire SRS is documented in view of User and the following sub sections are arranged to give a complete outlook of the software, its perspective, features, system requirements and users know how it is.

2. Overall description

2.1 Product functions

2.1.1 Admin module

- Login, logout
- View and update profile
- Manage employee profile
 - Add employee
 - Edit employee
 - Delete employee
 - Search employee
 - Add employee attendance and working hours
- Manage payroll
- Generate payslip

2.1.2 Employee module

- Login, logout
- View and update profile
- View attendance and working hours
- View payslip
- Report Button

2.1.3 Accountant module

- Login, logout
- View and update profile
- View employee attendance, working hours and allowances
- Manage taxes
- Salary calculation and release

2.2 User characteristics

2.2.1 End users

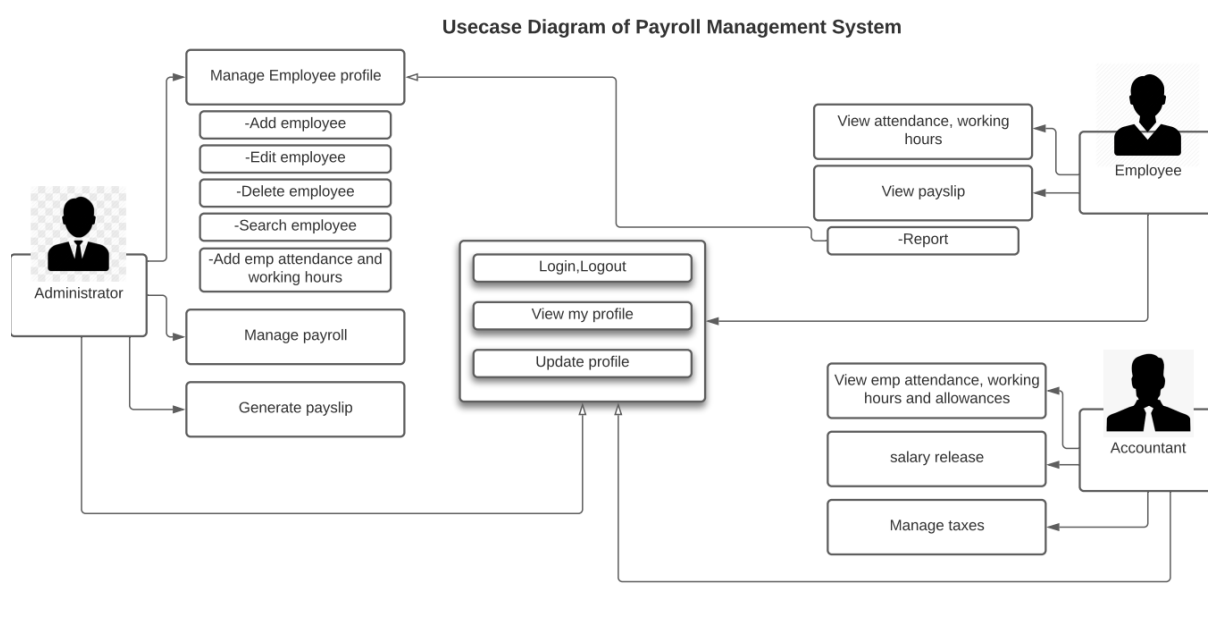
- No specific knowledge or skills are required from the end user.
- End user should have basic idea about computer operations and database.

2.2.2 Administrator

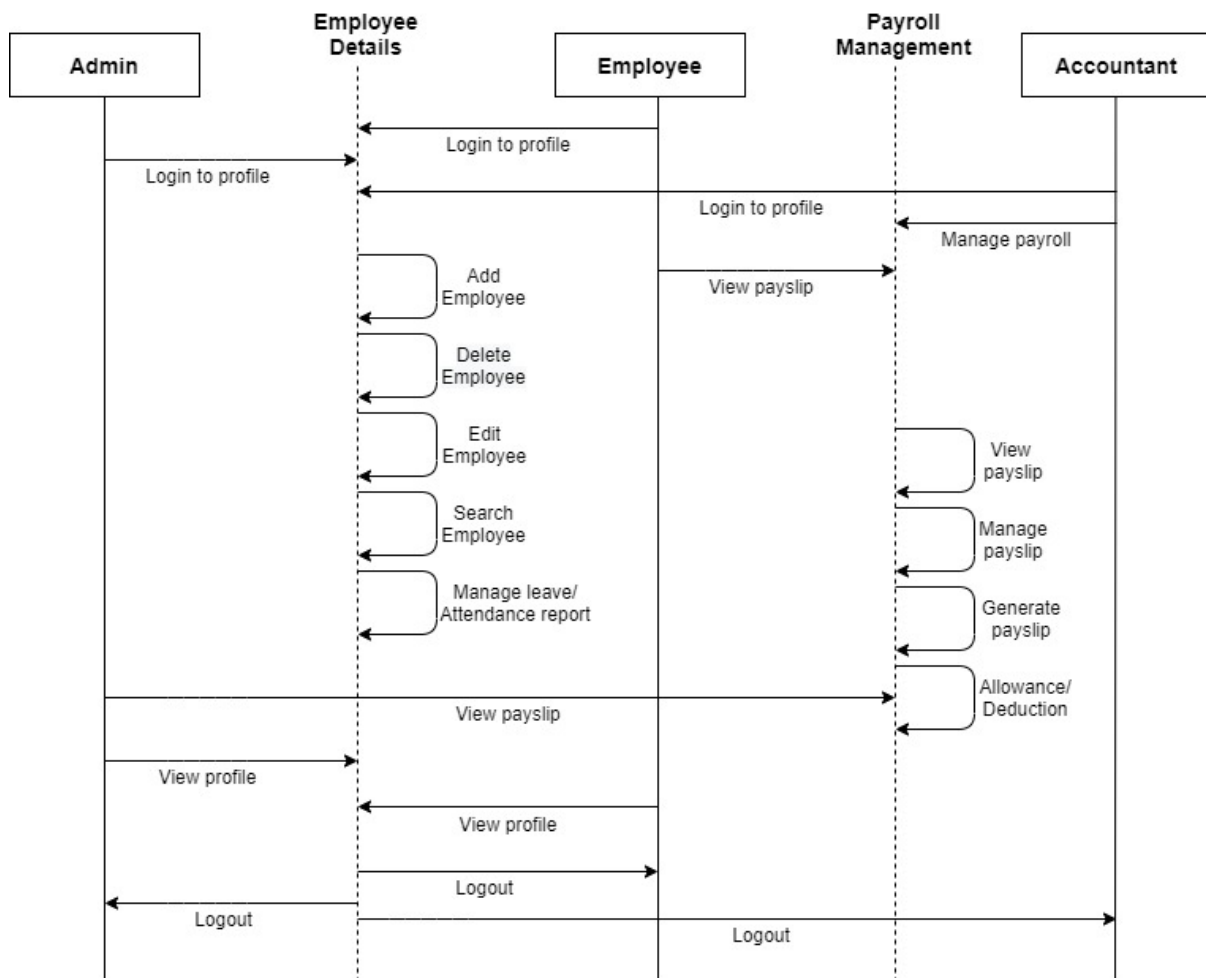
- Administrator must be having good knowledge of database management system.
- Administrator must be capable to manage user rights.
- Manual interfaces cannot be fully avoided. Documented proofs like data entry of employees etc. will have to be verified by the concerned management staff before entering it into the computerized system.

2.3 Design and Implementation

2.3.1 Use Case Diagram



2.3.2 Sequence Diagram



Sequence Diagram - Payroll Management System

2.4 Assumptions and Dependencies

Assumptions:

- The code should be free with compilation errors/syntax errors.
- The product must have an interface which is simple enough to understand.

Dependencies:

- All necessary hardware and software are available for implementing and use of the tool.
- The proposed system would be designed, developed and implemented based on the software requirements specifications document.

- End users should have basic knowledge of computer and we also assure that the users will be given software training documentation and reference material.

3. Specific Requirements

3.1 External interface requirements

3.1.1 Hardware interfaces

- Memory minimum of 1GB RAM
- Hard disk of minimum 512 GB
- Monitor
- Mouse
- Keyboard
- Printer

3.1.2 Software interfaces

- Operating systems
- Windows 10
- C
- My sql

3.2 Functional requirements

3.2.1 Administrator

This module helps the administrator to login, logout, view and update profile. Administrator can also manage employee profile, their payroll and generate pay slip.

3.2.2 Employee

This module helps employee to login, logout, view and update profile. Employees can also view their attendance, working hours and pay slip.

3.2.3 Accountant

This module helps accountant to login, logout, view and update profile. Accountant can also view employee attendance, working hours and allowances. Thus, managing taxes, salary calculation and release of salary can be done.

3.3 Performance requirements

- The overall system should be fast and error free
- It should have built in error checking and correction facilities.
- The system should be able to handle large amount of data comfortably.

3.4 Design constraints

- The system runs under Windows 10

3.5 Attributes

3.5.1 Reliability

In order to ensure reliability, this system is being designed using software that is established to be stable and easy to use.

3.5.2 Availability

This system is designed to run 24/7 and be readily available to the user.

3.5.3 Security

The access to the software is given only to valid operators. We need a specific ID and password to get access to the software.