
Software Requirements Specification

for

PAYROLL MANAGEMENT SYSTEM

Version 1.0 approved

A.saikrishna

IIT KHARAGPUR

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Revision History

Name	Date	Reason For Changes	Version

1. Introduction

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.

1.2 Document Conventions

This document was prepared using the IEEE recommended practice for Software Requirements Specification.

1.3 Intended Audience and Reading Suggestions

The different types of reader that this document is intended for are developers, project managers, marketing staff, users, testers, and documentation writers. The rest of this SRS contains Overall Description, External Interface Requirements, System Features, Non Functional Requirements and Other Requirements. Suggested sequence for reading the document - begin with the overview sections and proceed through the sections that are most pertinent to each reader type.

1.4 Product Scope

This application works on multiple computers sharing same database by which users of different departments can access information at the same time.

2. Overall Description

2.1 Product Perspective

This software is developed specifically to cater the company employees leave management, is totally self contained and works efficiently. It provides simple database rather than complex ones for high requirements and it provides good and easy graphical user interface to both new as well as experienced user of the computer.

2.2 Product Functions

The various users are-

- 1.Administrator
- 2.employee
- 3.manager

2.3 User Classes and Characteristics

2.3.1 END USERS

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

2.3.2 ADMINISTRATOR

- Administrator must be having good knowledge of database management system.
- Administrator to manage user rights.
- If the network connection does not work properly than our system should not work as intended.
- Also that is assumed that the product is installed properly at web server.
- This system will not take care of any virus problem, which might occur either on the client or the server system. Avoiding the use of pirated software and ensuring that floppies and other removable media are scanned for viruses before use could minimize the possibility of viral infection.
- Recovery of data after a system crash will be possible only if backups are taken at regular intervals.
- 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.

2.4 Operating Environment

- This app is internet based so it will run in any operating system with internet access through a web browser.

2.5 Design and Implementation Constraints

- The employee can login to his account any number of times until . His employee account is secure with an OTP unless removed by the administrator.

2.6 Assumptions and Dependencies

2.7.1 Assumptions:

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

2.4.2 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.
- The system is not required to save generated reports.

3. External Interface Requirements

3.1 User Interfaces

This software provides a good user interface.

1.welcome page

****The welcome screen popup and asks for the id and password of employee****

login id-
password-

2.choices for admin

**** based on id admin can choose some options present on the screen****

Edit employee information
Add employee
Delete employee
Edit information regarding leaves,deductions
Increase security options

3.choices for employees

**** the choices for employees are shown****

change password
view salary,deductions and print salary slip.
Option to apply for a leave
leave information

4. choices for manager

**** choices for manager are shown****

view employee information
generate report on work done by employees
**** he is also shown options which are shown for a normal employee****

3.2 Hardware Interfaces

- Screen resolution of at least 800X600 is required for proper and complete viewing of screens.
- Higher resolution will be accepted.

3.3 Software Interfaces

- Any windows or linux based operating system.
- MySQL Server Database
- Php and javascript

3.4 Communications Interfaces

- None

4. System Features

- **The software will contain some specific features to effectively carry out the requirements required for a payroll management system**

4.1 INPUTS

- The system has to be given details of employee, basic salary details, allowances that applicable for that particular employee.

4.2 LOGIN OPTION

- The screen prompts the user to login into the system
- INPUT: The employee must enter his unique id and password to login .
- OUTPUT: The employee are provided with certain options based on his position in the company.

4.3 SALARY DETAILS

- After choosing salary options he is shown his salary , allowances, calculation of salary .he can even print his salary slip through this option .It is updated at the end of every month
- INPUT: The employee must click on the salary option
- OUTPUT: The employee can view his salary details , view deductions and even can print his salary slip

4.4 CHANGE PASSWORD

- The user can change his password through this option

- INPUT:he must provide a new password.
- OUTPUT:his new password comes into action

4.5 APPLY FOR LEAVE

- After choosing leave option he can choose the number of leaves permitted by the company every year and also can view his leave details.It is updated every year.
- INPUT:Employee must click and enter the number of leaves required or view leave information
- OUTPUT:The employee is granted leave based on the no of leaves present and also his leave information is displayed

4.6 VIEW DETAILS OF EMPLOYEE

- Only manager in the company have privilege to view the details of all employee's but can't alter the details of the employee .It also helps to view the attendance record of the employees .
- INPUT:he must enter the id of the employee to view his details.
- OUTPUT:The employee information is displayed on the screen

4.7 GENERATE REPORT

- Only manager has the privilege to this option .
- INPUT:no input is required
- OUTPUT:Report is generated on the employees work performance

4.8 ADD OR DELETE EMPLOYEE DETAILS

- Only admin of the system have privilege to add or delete details of the employee.He can also add a new employee or delete an employee from the company.
- INPUT: admin must provide the employee details
- OUT:based on admin choice new employee is created or deleted

4.9 EDIT LEAVE INFORMATION AND SALARY INFORMATION

- Admin has the privilege to change the deduction details and leave information.

4.10 CHANGE SECURITY OPTIONS

- Admin can add or delete an specified security option based on his choice.S

5. Other Nonfunctional Requirements

5.1 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.

5.2 Safety Requirements

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

5.3 Security Requirements

- The access to the software is given only to valid operators. We need a specific ID and password to get access to the software.
- Communication needs to be restricted when the application is validating the user or licence.

5.4 Software Quality Attributes

- We can alert the employee whenever his account is accessed.
- We can provide a security number to access salary slip
- We can provide sms alerts to employees when their salary is updated

6. Other Requirements

- Sms must be sent with in 24 hours of access to account.