**Software Requirements Specifications document**

**for**

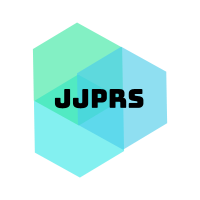
**Payroll System**

**Version 2.0**

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1. **Introduction**

***1.1 Purpose***

**This software requirements specification is intended to describe a general overview of the function and performance requirements for a payroll system. The product is intended to be utilized by companies with a sizable workforce. Such corporations will be able to utilize this system for a long period of time, even as the corporation expands.**

***1.2 Scope***

**JJPRS - Payroll System will help a company manage them**

**payment and taxes process. They will be able to keep track and manage their employees’ annual salary, hourly salary, benefits, tax deductions, health benefits, and retirement plan. The payroll system will also consider an employee’s marital status, location for their tax deductions, and their local/state tax brackets for their income. Security measures are also implemented within JJPRS - Payroll system to help keep company information confidential. The goal of this product is to help a company maintain a long-lasting payroll system and one that can adapt to all their company needs.**

***1.3 Definitions, Acronyms, and Abbreviations***

***Definitions:***

**Gross Income: amount of money you earn before any taxes are applied.**

**NetPay: amount of money earned after tax deductions are taken out.**

**Payroll System: manages the process of paying employees, employment taxes, hours, hourly wages, and printing checks.**

**Tax bracket: a range of incomes taxed at a given rate.**

***Acronyms:***

**UI: User Interface**

**OS: Operating System**

***1.4 Overview***

**The rest of the SRS contains the overall description and specific requirements. The overall description will explain what the software does. The specific requirements will explain all the requirements needed throughout the development of the project.**

1. **Overall description**

***2.1 Product Perspective***

**The following are the main features of the JJPRS Payroll system:**

* ***User Interface:* Offers a user to use all the features of the JJPRS system.**
* ***User Account:* The user account is an employee’s account where they can view various information from their personal information to their salary and taxes.**
* ***Number of users:* The system supports many profiles and will expand with the company.**
* ***HR Account:* The HR or admin account can modify some information within the system.**
* ***Search:* The system provides a search option to search for other employees with their employee ID.**
* ***Security System:* The system has built in security which protects user’s information by only letting the right people access it.**

***2.2 Product Function***

**The functions that the software will perform are as follows:**

**view profiles of the user’s information. We can calculate and print an employee’s gross income, tax deductions, health plan deductions, current health plan, retirement plans, and net pay. User’s can also look up another employee’s information.**

***2.3 User characteristics***

**User’s with general knowledge of using a computer such as typing and clicking on different panels on the program. Users will also need internet connections to connect to their company’s database.**

***2.4 Constraints***

**Safety and security measures are acknowledged and enforced within the payroll system. Users will be required to use their work computer, have the latest version of Java installed, and Windows OS to access the payroll system.**

***2.5 Assumptions and dependencies***

**This software is dependent on the use of MySQL as its database for holding information for everyone enrolled in the payroll system. Without using MySQL the software will not run because of the abstinence of a database.**

***2.6* *Apportioning of requirements***

**V.1 of the system is only able to do the functions it has now. We are developing a version 2.0 to include more services.**

**V.2 will be able to print paycheck, modify personal information, apply salary taxes for CT and other state, and calculate net pay for part-time employees.**

**V.3 will have more locations for employees such as other states. Our user interface will also have more features and have a newer look in the next version. We will also add new permissions for the HR/Admin accounts.**

1. **Specific Requirements**

***3.1 Functional Requirements***

**The software will be able to hold an employee’s information and display information when they choose to do so. As an employee user you can also add work hours and see your gross income based off your location. Net pay can also be calculated with the appropriate tax deductions.**

***3.2 System Features***

***3.2.1* View profile of personal information of all employees.**

***3.2.2* Display an employees’ salary and their job position (Part time or Full time).**

***3.2.3* Add hours and display current hours for an employee.**

***3.2.4* Display an employees’ health plan, benefits and if they have a retirement plan.**

***3.2.5* Calculate and display an employees’ Gross income and Net Pay.**

***3.2.6* Login and logout feature.**

***3.2.7* Print Check.**

***3.2.8* Search for an employee by their ID.**

***3.2.9* HR can modify health insurance, employee position, salary, and employment status.**

***3.3 Nonfunctional Requirements***

**Modifiability - We plan to work with customers closely to keep updating our Payroll System to their needs. Since we have a good foundation of our functions, and by re-using these functions, we can add new features easily.**

**Usability – Our system is simple to use. Once the user is logged in, the panel’s and functions are all laid out for the user to click and choose from.**

**Reliability – The payroll system has little to no failures and works as intended. When our payroll system integrates with our customer’s database, we do not expect failures or bugs. If there are any, we are willing to solve those errors immediately.**

**Scalability – The payroll system can scale to the customer’s company size with ease. Since we are using a database to store the employee information, the scale of our product depends on the customer’s database.**

**Security – User’s with company username and passwords can login into the system. The database is also MySQL injection safe.**