

SRS DOCUMENT

Software Requirement Specification

OrangeHRM - Live Project

Project Functional Requirement Specification

Version 1

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Introduction

1.1 Project Description

OrangeHRM is an open-source Human Resource Management system designed to simplify HR processes through a web-based platform. The project provides organizations with modules to manage employee data, company structure, recruitment, attendance, payroll, and performance.

1.2 Problem Statement

Traditional HR management relies heavily on manual processes (paper records, spreadsheets, emails).

This leads to Data redundancy and inconsistency, Time-consuming updates, Limited transparency, Security and confidentiality risks, and Inefficiency in managing organizational structure.

OrangeHRM addresses these problems by providing a centralized, digital system that allows Employees to self-manage their information, HR Admins to control access, maintain accurate records, and automate workflows.

1.3 Hardware and Hosting

OrangeHRM will be deployed on company-managed infrastructure. The setup includes:

- Application Server: Hosts the OrangeHRM website and code
- Database Server: Hosts the OrangeHRM database, ensuring secure storage of all employee and organizational information.

System Requirements

2.1 Stakeholder

-Admin

2.2 Functional Requirement

2.2.1 Admin:

- RQ1.01:The system shall allow admin to login
- RQ1.02:The system shall allow admin to add users
- RQ1.03:The system shall allow admin to edit users
- RQ1.04:The system shall allow admin to delete users
- RQ1.05:The system shall allow admin to Reset users
- RQ1.06:The system shall allow admin to Search users
- RQ1.07:The system shall allow admin to add job title
- RQ1.08:The system shall allow admin to edit job title
- RQ1.09:The system shall allow admin to delete job title
- RQ1.10:The system shall allow admin to add pay grade
- RQ1.11:The system shall allow admin to edit pay grade
- RQ1.12:The system shall allow admin to add Currency
- RQ1.13:The system shall allow admin to edit Currency
- RQ1.14:The system shall allow admin to delete Currency
- RQ1.15:The system shall allow admin to delete pay grade
- RQ1.16:The system shall allow admin to add Employment status
- RQ1.17:The system shall allow admin to edit Employment status
- RQ1.18:The system shall allow admin to delete Employment status
- RQ1.19:The system shall allow admin to add job categories
- RQ1.20:The system shall allow admin to edit job categories
- RQ1.21:The system shall allow admin to delete job categories
- RQ1.22:The system shall allow admin to add work shifts
- RQ1.23:The system shall allow admin to edit work shifts
- RQ1.24:The system shall allow admin to delete work shifts
- RQ1.25:The system shall allow admin to edit general information
- RQ1.26:The system shall allow admin add location
- RQ1.27:The system shall allow admin edit location
- RQ1.28:The system shall allow admin delete location
- RQ1.29:The system shall allow admin search location
- RQ1.30:The system shall allow admin reset location
- RQ1.31:The system shall allow admin add employee
- RQ1.32:The system shall allow admin delete employee
- RQ1.33:The system shall allow admin to logout

2.3 Use Case:

Name	login
UC_ID	UC1.01 RQ1.01 RQ2.01
Actor	Admin Employee
Description	-The system must allow the user to login into the application using his/her username and password
Pre-conditions	-user must has account on the website
Basic flow	-user enter his/her username -user enter his/her password -user click to login
Alternative flow	-if username or password or both of them are wrong ,error message will appear and the user cant login -if one or both fields are missed error message will appear and the user cant login
Post-Condition	login successfully and the user enter to the application

Name	Add user
UC_ID	UC1.02 RQ1.02
Actor	Admin
Description	-The system must allow the Admin to add user
Pre-conditions	-admin must login to the website
Basic flow	-admin select user role -admin enter Employee name -admin select status -admin enter username -admin enter password -admin enter confirm password

	-admin click save
Alternative flow	-Duplicate username -Weak password
Post-Condition	User added successfully

Name	Edit user
UC_ID	UC1.03 RQ1.03
Actor	Admin
Description	-The system must allow the Admin to edit user
Pre-conditions	-admin must login to the website
Basic flow	-admin click on edit icon -admin select user role -admin enter Employee name -admin select status -admin enter username -if he/she want to change password check 'change password?' -admin enter password -admin enter confirm password -admin click save
Alternative flow	-Changing username to an existing one -No changes made
Post-Condition	User edited successfully

Name	Delete user
UC_ID	UC1.04 RQ1.04
Actor	Admin
Description	-The system must allow the Admin to delete user
Pre-conditions	-admin must login to the website

Basic flow	-admin click on delete icon -admin click on yes deleted
Alternative flow	-click cancel
Post-Condition	User deleted successfully

Name	Reset user
UC_ID	UC1.05 RQ1.05
Actor	Admin
Description	-The system must allow the Admin to Reset user
Pre-conditions	-admin must login to the website
Basic flow	-admin enter username -admin select user role -admin enter Employee name -admin select status -admin click Reset
Alternative flow	-no data entry
Post-Condition	User Reset successfully

Name	Search user
UC_ID	UC1.06 RQ1.06
Actor	Admin
Description	-The system must allow the Admin to Search for user
Pre-conditions	-admin must login to the website

Basic flow	-admin enter username -admin select user role -admin enter Employee name -admin select status -admin click search
Alternative flow	-enter criteria that no matches result
Post-Condition	-Search result appear related to search input

Name	Add job title
UC_ID	UC1.07 RQ1.07
Actor	Admin
Description	-The system must allow the Admin to add job title
Pre-conditions	-admin must login to the website -admin click job -admin click jobTitle
Basic flow	-admin click add -admin enter job title -admin enter job description -admin upload job specification -admin enter note -admin click save
Alternative flow	-Title duplicate -save fails
Post-Condition	-job title added successfully

Name	Edit job title
UC_ID	UC1.08 RQ1.08
Actor	Admin
Description	-The system must allow the Admin to edit job title

Pre-conditions	-admin must login to the website -admin click job -admin click jobTitle
Basic flow	-admin click edit icon -admin enter job title -admin enter job description -admin upload job specification -admin enter note -admin click save
Alternative flow	-save fails
Post-Condition	-job title edited successfully

Name	Delete job title
UC_ID	UC1.09 RQ1.09
Actor	Admin
Description	-The system must allow the Admin to delete job title
Pre-conditions	-admin must login to the website -admin click job -admin click jobTitle
Basic flow	-admin click delete icon -admin click 'yes delete'
Alternative flow	-click cancel
Post-Condition	-job title deleted successfully

Name	Add paygrade
UC_ID	UC1.10 RQ1.10
Actor	Admin

Description	-The system must allow the Admin to add paygrade
Pre-conditions	-admin must login to the website -admin click job -admin click paygrade
Basic flow	-admin click add -admin enter name -admin click save
Alternative flow	-Missing required fields -save fails
Post-Condition	-pay grade added successfully

Name	Edit pay grade
UC_ID	UC1.11 RQ1.11
Actor	Admin
Description	-The system must allow the Admin to add paygrade
Pre-conditions	-admin must login to the website -admin click job -admin click paygrade
Basic flow	-admin click edit icon -admin enter name -admin click save
Alternative flow	-Rename to existing grade -save fails
Post-Condition	-pay grade edited successfully

Name	Add currency
UC_ID	UC1.12 RQ1.12
Actor	Admin
Description	-The system must allow the Admin to add currency
Pre-conditions	-admin must login to the website -admin click job

	-admin click paygrade
Basic flow	-admin click edit icon -admin click add currency -admin select currency -admin enter minimum salary -admin enter maximum salary -admin click save
Alternative flow	-missing required fields -save fails
Post-Condition	-currency added successfully

Name	Edit currency
UC_ID	UC1.13 RQ1.13
Actor	Admin
Description	-The system must allow the Admin to edit currency
Pre-conditions	-admin must login to the website -admin click job -admin click paygrade
Basic flow	-admin click edit icon -admin click edit currency icon -admin select currency -admin enter minimum salary -admin enter maximum salary -admin click save
Alternative flow	-save fails
Post-Condition	-currency edited successfully

Name	Delete currency
UC_ID	UC1.14 RQ1.14

Actor	Admin
Description	-The system must allow the Admin to delete currency
Pre-conditions	-admin must login to the website -admin click job -admin click paygrade
Basic flow	-admin click edit icon -admin click delete currency icon -admin click 'yes delete'
Alternative flow	-click cancel
Post-Condition	-currency deleted successfully

Name	Delete pay grade
UC_ID	UC1.15 RQ1.15
Actor	Admin
Description	-The system must allow the Admin to delete paygrade
Pre-conditions	-admin must login to the website -admin click job -admin click paygrade
Basic flow	-admin click delete pay grade icon -admin click 'yes delete'
Alternative flow	-click cancel
Post-Condition	-pay grade deleted successfully

Name	Add Employment status
UC_ID	UC1.16 RQ1.16
Actor	Admin
Description	-The system must allow the Admin to add employment status

Pre-conditions	-admin must login to the website -admin click job -admin click employment status
Basic flow	-admin click add -admin enter name
Alternative flow	-missing required fields -save fails
Post-Condition	-employment status added successfully

Name	Edit Employment status
UC_ID	UC1.17 RQ1.17
Actor	Admin
Description	-The system must allow the Admin to Edit employment status
Pre-conditions	-admin must login to the website -admin click job -admin click employment status
Basic flow	-admin click Edit icon -admin enter name -admin click save
Alternative flow	-Rename to existing status -save fail
Post-Condition	-employment status edited successfully

Name	Delete Employment status
UC_ID	UC1.18 RQ1.18
Actor	Admin
Description	-The system must allow the Admin to delete employment status
Pre-conditions	-admin must login to the website -admin click job -admin click employment status

Basic flow	-admin click delete icon -admin click 'yes delete'
Alternative flow	-click cancel
Post-Condition	-employment status deleted successfully

Name	Add job categories
UC_ID	UC1.19 RQ1.19
Actor	Admin
Description	-The system must allow the Admin to add job categories
Pre-conditions	-admin must login to the website -admin click job -admin click job categories
Basic flow	-admin click add icon -admin enter name -admin click save
Alternative flow	-missing required fields -save fails
Post-Condition	-job categories added successfully

Name	Edit job categories
UC_ID	UC1.20 RQ1.20
Actor	Admin
Description	-The system must allow the Admin to edit job categories
Pre-conditions	-admin must login to the website -admin click job -admin click job categories

Basic flow	-admin click edit icon -admin enter name -admin click save
Alternative flow	-duplicate name
Post-Condition	-job categories edited successfully

Name	Delete job categories
UC_ID	UC1.21 RQ1.21
Actor	Admin
Description	-The system must allow the Admin to delete job categories
Pre-conditions	-admin must login to the website -admin click job -admin click job categories
Basic flow	-admin click delete icon -admin click 'yes delete'
Alternative flow	-click cancel
Post-Condition	-job categories deleted successfully

Name	Add work shift
UC_ID	UC1.22 RQ1.22
Actor	Admin
Description	-The system must allow the Admin to add workshifts
Pre-conditions	-admin must login to the website -admin click job -admin click work shift
Basic flow	-admin click add icon -admin enter shift name -admin enter working hour

	-admin enter assigned employee
Alternative flow	-missing required fields -save fails
Post-Condition	-work shift added successfully

Name	Edit work shift
UC_ID	UC1.23 RQ1.23
Actor	Admin
Description	-The system must allow the Admin to edit workshifts
Pre-conditions	-admin must login to the website -admin click job -admin click work shift
Basic flow	-admin click edit icon -admin enter shift name -admin enter working hour -admin enter assigned employee
Alternative flow	-Renaming to duplicate -enter invalid working hours
Post-Condition	-work shift edited successfully

Name	Delete work shift
UC_ID	UC1.24 RQ1.24
Actor	Admin
Description	-The system must allow the Admin to delete workshifts
Pre-conditions	-admin must login to the website -admin click job -admin click work shift
Basic flow	-admin click delete icon -admin click 'yes delete'

Alternative flow	-click cancel
Post-Condition	-work shift deleted successfully

Name	Edit general information
UC_ID	UC1.25 RQ1.25
Actor	Admin
Description	-The system must allow the Admin to edit general information
Pre-conditions	-admin must login to the website -admin click organization -admin click general information
Basic flow	-admin click edit icon -admin enter organization name -admin enter other fields -admin click save
Alternative flow	-Duplicate organization name -blank organization name
Post-Condition	-general admin edited successfully

Name	Add location
UC_ID	UC1.26 RQ1.26
Actor	Admin
Description	-The system must allow the Admin to add location
Pre-conditions	-admin must login to the website -admin click organization -admin click location
Basic flow	-admin click add -admin enter name -admin select country -admin enter other fields -admin click save

Alternative flow	-missing required fields -save fails
Post-Condition	-location added successfully

Name	Edit location
UC_ID	UC1.27 RQ1.27
Actor	Admin
Description	-The system must allow the Admin to edit location
Pre-conditions	-admin must login to the website -admin click organization -admin click location
Basic flow	-admin click edit icon -admin enter name -admin select country -admin enter other fields -admin click save
Alternative flow	- required fields blank -save fails
Post-Condition	-location edited successfully

Name	Delete location
UC_ID	UC1.28 RQ1.28
Actor	Admin
Description	-The system must allow the Admin to delete location
Pre-conditions	-admin must login to the website -admin click organization -admin click location
Basic flow	-admin click delete icon -admin click 'yes delete'

Alternative flow	-clock cancel
Post-Condition	-location deleted successfully

Name	Search location
UC_ID	UC1.29 RQ1.29
Actor	Admin
Description	-The system must allow the Admin to search location
Pre-conditions	-admin must login to the website -admin click organization -admin click location
Basic flow	-admin enter name -admin enter city -admin select country -admin click search
Alternative flow	-enter criteria that no results matches
Post-Condition	-search result related to search input

Name	Reset location
UC_ID	UC1.30 RQ1.30
Actor	Admin
Description	-The system must allow the Admin to reset location
Pre-conditions	-admin must login to the website -admin click organization -admin click location
Basic flow	-admin enter name -admin enter city -admin select country -admin click reset
Alternative flow	-no data entry

Post-Condition	-information rested successfully
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Name	Add Employee
UC_ID	UC1.31 RQ1.31
Actor	Admin
Description	-The system must allow the Admin to add Employee
Pre-conditions	-admin must login to the website -admin Click PIM -admin click add Employee
Basic flow	-admin enter employee full name -admin enter employee id -admin create login details -admin enter username -asmin check status(enabled,disabled) -admin enter password -admin enter confirm password -admin click save
Alternative flow	-missing required fields -save fails
Post-Condition	-Employee added successfully

Name	Delete Employee
UC_ID	UC1.32 RQ1.32
Actor	Admin
Description	-The system must allow the Admin to delete Employee
Pre-conditions	-admin must login to the website -admin Click PIM -admin click Employee List
Basic flow	-admin click delete icon -admin click 'yes delete'

Alternative flow	-click cancel
Post-Condition	-employee deleted successfully

Name	Logout
UC_ID	UC1.33 RQ1.33
Actor	Admin
Description	-The system must allow the Admin to logout
Pre-conditions	-admin must login to the website
Basic flow	-admin click on his/her profile picture -admin select logout
Alternative flow	—
Post-Condition	-Admin logout successfully

