

SRS Document for Labour Management System

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1 Introduction

1.1 Product Overview

Warehouse managers constantly try to optimize the amount of staff they employ and ensure that employees are productive. If warehouse managers have too many employees, and not enough work, then they have to pay employees to wait for work. If too much work exists and not enough employees are available, customer orders are not shipped on time, or warehouse accuracy suffers. Labor Management enables warehouse managers to track the amount of time each user takes to complete a set of tasks, their work hours, their non-work hours, etc. This system is very useful for all kinds of workers from technical to non technical background and also for companies who bring their most of the employees from outsourcing organizations.

2 Software Product Requirements

Note: This Project is intended to be used from three perspectives which are:

- 1. Employee side:** The employees or workers of all kind that are going to apply for a job.
- 2. Company side:** The various organizations who are going to use our site for getting workers or employees.
- 3. Developers side:** The requirements that are required by us as a part of developing and maintaining the system.

2.1 Functional Requirements

2.1.1 Functional Requirements:Employee Side

- **Employment of Free Lancers:** This allows various kinds of workers, labourers, and professionals to apply for an Job on daily, monthly, yearly contract basis.

- **Recruitment Portal:**This portal can be used by each one of the employee who want to apply for a job and can go through a series of processes to get employed.
- **Employee Report:**This allows the employed worker to see his/her daily report of his/her working timings, salary, and other beneficiary schemes.
- **Point System:**Each of the Employee has his/her our points table in which points are awarded for good work and deducted for foul work. Various perks and Employee of the Month award is awarded to the the employee with highest number of points in his/her section.

2.1.2 Functional Requirements:Company Side

- **Management of Employees:**The Company that has hired employees from our system can see all the employees that have been appointed to them and can see and analyze all the data related to them.
- **Evaluation of Employees:**The Company can see the work report of each and every employee that have been appointed to them. It includes a detailed report on a monthly basis including the amount of work done by them, the profit produced by each of them, and many more things.
- **Availability of Employees:**The Company can see the amount of employees that are available currently so that they can apply for vacancies according to it.

2.1.3 Functional Requirements:Developer's Side

- **Platform Requirements:**The whole system is implemented and maintained through a fully functional website which needs to be designed and updated efficiently.
- **Administration and Internal Management:**The management of all the employees who work for the developing and betterment of the website as well as the servers needs to be handled by us.
- **Databases and Storage Systems:**The system deals with a huge amount of data of employees and various companies, thus the whole storage and management of all this data must be implemented with the use of an effective distributed database system.

2.2 Other Non-Functional Requirements

2.2.1 Performance Requirements

- The website should be accessible all the time and the server should not be down for longer duration's either due to maintenance or other reasons.
- The website should be capable of handling thousands of users at any given moment of time and the database should efficiently handle the data.
- The website should be capable of running across all devices without any glitches in its interface.

2.2.2 Special Requirements

- All the companies who choose to use our software must be acquainted with bio-metric scanners so that the employee data can be recorded.
- We must keep our software up to date with all the new government policies and make sure that all those benefits are provided to the employees accordingly.
- A good set of computers as well a good working network connection needs to be installed at the sites where the employees are working so that their data can be recorded effectively.

3 External Interface Requirements

3.1 Hardware Interface

The system's main motive is to reduce the amount of errors that are caused due to humans, so a bio-metric scanners is required to identify each and every employee uniquely. Also the work site needs to be installed with at least one computer and the bio-metric scanners must be joined to that computer so that all the required information can be directly updated to us through our website.

3.2 Software Interface

The Software Interfaces defines the versions and updates of various software technologies which are as follows:

- **Bootstrap 4:** It is required for making the website responsive.
link: `<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JX" crossorigin="anonymous">`
link:
1. `<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UEENzM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>`
2. `<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>`
3. `<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYT" crossorigin="anonymous"></script>`
- **jQuery:** The following jQuery CDN is required for the developing the website:
`<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>`

3.3 Communication Protocols

- **1.** File Transfer Protocol
- **2.** Hyper Text transfer Protocol

3.4 User Interfaces

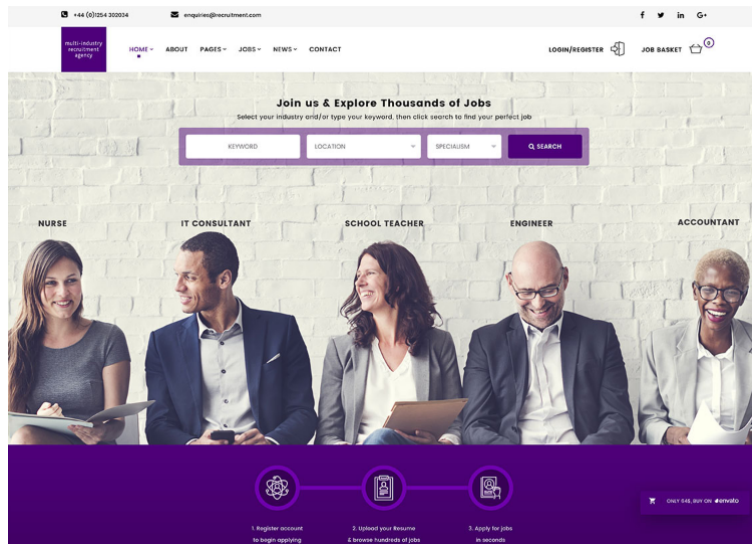


Figure 1: Home Page

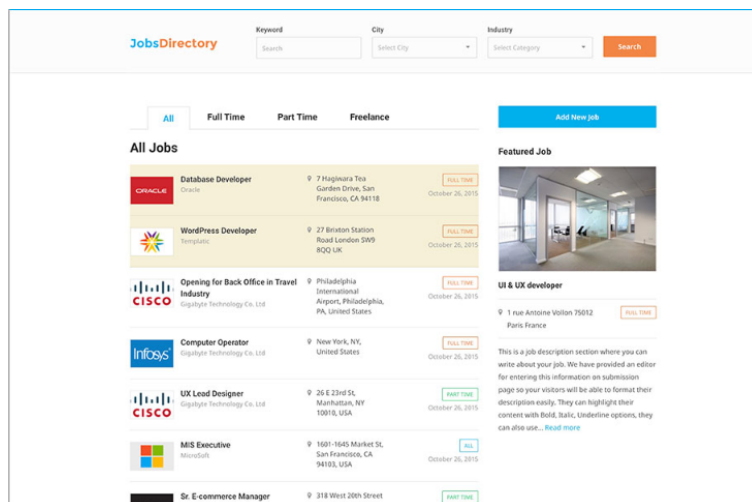


Figure 2: Job Directory

Employee Registration

Employee Registration Details

Dashboard

Leave

Salary

Report

Help

Personal Details

Contact details

Experience Details

Salary Details

Leave Details

General Details

First Name : *

MANAN

Last Name : *

DESAI

Email : *

manan@gmail.com

Date Of Birth : *

22-06-1984

User Role : *

Employee

Branch : *

new Branch

Qualification :

Job Title :

Manager/Team Leader :

Gender :

☒ Male
☐ Female

Login ID :

manan@gmail.com

Joining Date : *

19-01-2016

Identity No :

58889

Department : *

IT

Job Profile : *

Asp Net Developer

Position : *

Team Leader

Grade :

A

Total Experience :

Last Day Of Job :

Personal Information

Figure 3: Registration

Sign in

Username

Password

Sign in

Create Account

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Figure 4: Sign Up