System Analysis & design: Milestone 1 Online Job Portal Project

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System Description

**1.1 Introduction**

Job portal is an application which facilitate the connection between job providers and job seekers. Where job providers post their vacancies and review resumes. Job seekers can find and apply for their targeted job according to company, their location, or skills.

**1.2 Goal**

It enables jobseekers to post their resume, search for jobs, view personal job listings. It will provide various companies to place their vacancy profile on the site and also have an option to search candidate resumes. Apart from job-seekers and Companies (Job Provider) there will be an admin module to manage complete Portal as well as jobseeker and companies.

**1.3 Objective**

The objective of the project is to enable jobseekers to place their resumes and find appropriate jobs while companies to publish their vacancies and find good candidates.

System Service Request

Online Job Portal

**Requested by:** Doctor Rania **Date:** 25/2/2019

**Department:** Software Engineering **Location:** Faculty of Computer Science

**Contact:** Mobile Number: 01098358039, Email: doctorrania@gmail.com

**Type of Request**

New System

**Problem Statement**

Unemployment is a time bomb that threatens any society. Steady growth in the software, agricultural and medical, … ,etc. industries has enabled many startups and companies to grow, The demand for skilled individuals has never been greater, however reaching these open vacancies isn’t easy. Small Ambitious companies with no social influence find it hard to gather these talented individuals and those individuals find it just as hard to find these opportunities.

**Service Request**

I request a thorough analysis for the requirements with the intent to design and build an effective new online job portal that specifically meets the requirements. The system should support job seekers and job providers’ interactions, handle all posts and actions through the Admin and meet the requirements.

**IS LIAISON:** Team ID 3 (Mobile number :01098358039, Email: [team3@gmail.com](mailto:team3@gmail.com))

Interview Report

**3.1 Interview Outline/Form**

**Interviewer:**  **Interviewee:**

-Team ID: 3 -TA/ Dina Fawzy

**Location: Appointment Date:**

-Lab3 Start Time: 9:00AM

End Time: 9:30AM

**Objectives:**

Explore project’s scope and its related business.

Inquiring about the requirements from the user.

**Agenda: Approximate time**

Introduction. 1 min.

Background on project. 2 mins.

Project main goal and requirements 5 mins.

Questions. 12 mins.

Summary of major points. 5 mins.

Questions from interviewee. 2 mins.

Closing. 1 min.

**General observations:**

The interviewee arrived late and was in a hurry but knew exactly what she wanted.

**Questions:**

Q1) What are the admin's specialties?

Q2) How can the job seeker search for jobs?

Q3) Could anyone use the portal without signing in?

Q4) How would job provider and job seeker connect with each other?

Q5) How could the companies sign up to the portal?

A1) Admin user can manage, activate, deactivate, delete and edit job posts, users and companies accounts and observe all posts and CVs

A2) By Location, Profession or Job title

A3) No.

A4) Through Emails and phone calls

A5) They fill the Sign in as a company form and Admin must accept.

**3.2 System Requirements**

1. Sign up as Admin, Job Seeker or Job Provider
   1. Redirect to sign up page. (FR)
   2. User choose his type. (FR)
   3. Portal redirect to type’s sign up page. (FR)
   4. User enter his name/email/password. (FR)
   5. Validate inputs. (NFR)
   6. Add data to database. (FR)
   7. The user is redirected to a waiting page (NFR)
   8. Wait for admin to activate the account. (FR)
   9. Wait for the confirmation e-mail. (FR)
2. Sign in
   1. User Enters to sign in page. (FR)
   2. checks if the account is valid from database (FR)
   3. checks if admin activate the account from database (FR)
      1. if yes, redirect to home page. (FR)
      2. if no, redirect to waiting page. (FR)
3. Profile
   1. Job seeker.
      1. Upload and update profile image. (FR)
      2. Add/ edit or delete small bio. (FR)
      3. Add/ edit or delete phone number. (FR)
      4. View all his/her job application. (FR)
      5. Job seeker CV builder. (FR)
         1. Add/edit or delete skills. (FR)
         2. Add/edit or delete qualification. (FR)
         3. Add/edit or delete experience. (FR)
         4. Upload and update CV. (FR)
   2. Job Provider
      1. Upload and update logo image. (FR)
      2. Add/ edit or delete vision and mission (FR)
      3. Add/ edit or delete Vacancies (FR)
      4. Add/ edit or delete Success stories (FR)
      5. View all posts (FR)
      6. View all job applications (FR)
      7. Accept or deny job application (FR)
      8. When seeker apply for job, provider can see his (FR)
         1. Phone number.
         2. E-mail address.
4. Searching
   1. Job Seeker can filter his search with either name/skills or location (FR)
   2. Job provider can filter his search with either Name/ skills or location (FR)
5. Posting
   1. Job provider post new vacancies (FR)
   2. Job seeker add posts. (FR)
   3. Job seeker apply for posted vacancies. (FR)
6. Admin
   1. delete or edit company posts. (FR)
   2. activate/deactivate/delete/ edit company profile. (FR)
   3. activate/deactivate/delete/ edit user profile. (FR)
   4. delete or edit user posts. (FR)
   5. accept or deny company/user account. (FR)
   6. view the jobseeker’s applications for each job. (FR)
   7. Send email to job seeker and job provider. (FR)

**3.3 System Actors**

1. **Job Seeker**

Job seeker is a system user that can search for jobs, post his/her resume

1. **Job Provider**

Job Provider is a system user that can post vacancies, review candidates resumes

1. **Admin**

Admin is the system manager that approve/disapprove all interactions and posts within the system.

1. **Unregistered User**

Can’t view anything unless he signs ups/ signs in

Time Plan

**Duration By PERT**

|  |  |  |
| --- | --- | --- |
| Activity | Time Estimate  (In weeks)  O R P | Expected Time  (O + 4R + P)/6 |
| 1-Requirements collection | 1 2 4 | 2 |
| 2-Database Design | 1 2 3 | 2 |
| 3-System Design | 2 3 4 | 3 |
| 4-Design & requirement validation | 1 2 3 | 2 |
| 5-User Documentation | 3 5 7 | 5 |
| 6-Development & Programming | 4 6 9 | 6 |
| 7-Testing | 2 3 4 | 3 |
| 8-Installation | 1 2 3 | 2 |

**Dependencies**

|  |  |
| --- | --- |
| Activity | Dependency |
| 1-Requirements collection | \_ |
| 2-Database Design | 1 |
| 3-System Design | 1 |
| 4-Design & requirement validation | 2-3 |
| 5-User Documentation | 4 |
| 6-Development & Programming | 4 |
| 7-Testing | 6 |
| 8-Installation | 7 |

