

**University of Information Technology and Sciences**

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**Submitted To**

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**1. Introduction**

**1.1 Purpose**

The purpose of this document is to outline the software requirements for the development of a web-based Job Portal. The Job Portal will serve as a platform for job seekers and employers to connect, facilitating the process of job searching and recruitment.

**1.2 Intended Audience and Reading Suggestions:**

#### Intended Audience

The primary audience for this Software Requirements Specification (SRS) document includes:

1. **Project Stakeholders**: Individuals or organizations with a vested interest in the successful delivery and functionality of the Online Job Portal. This includes:
   * **Project Sponsors**: Entities providing funding or resources for the project.
   * **Business Owners**: Those who will benefit from the portal's implementation and usage.
   * **Investors**: Potential or current investors looking for detailed project insights.
2. **Development Team**:
   * **Software Developers**: Responsible for coding and implementing the features described in this document.
   * **Quality Assurance (QA) Testers**: Tasked with validating that the system meets the outlined requirements.
   * **System Architects**: Designing the system’s overall structure and ensuring it aligns with the requirements.
3. **Project Management**:
   * **Project Managers**: Overseeing the development process, ensuring milestones are met, and resources are allocated efficiently.
   * **Product Owners**: Ensuring that the product vision and requirements are clearly defined and communicated.
4. **End Users**:
   * **Job Seekers**: Individuals searching for employment opportunities through the portal.
   * **Employers and Recruiters**: Entities posting job openings and seeking potential candidates.
5. **Support and Maintenance Teams**:
   * **Technical Support Staff**: Providing assistance and troubleshooting for the portal.
   * **System Administrators**: Managing and maintaining the portal’s infrastructure.

#### Reading Suggestions

To fully understand and benefit from this document, readers should:

1. **Familiarize Themselves with Basic Concepts**:
   * **Online Job Portals**: Basic understanding of job portal functionalities and industry standards.
   * **Software Development Life Cycle (SDLC)**: Awareness of typical phases and processes involved in software development.
2. **Review Related Documents**:
   * **Project Charter**: To understand the project’s scope, objectives, and key stakeholders.
   * **Business Requirements Document (BRD)**: For detailed business needs and objectives that drive the project.
   * **Use Case Specifications**: To see specific interactions between users and the system.
3. **Understand the Technical Environment**:
   * **System Architecture Diagrams**: To grasp the overall technical framework and components.
   * **Technology Stack**: Knowledge of the programming languages, frameworks, and tools used.
4. **Consult Glossary and Appendices**:
   * **Glossary of Terms**: For definitions of technical and business terminology used in the SRS.
   * **Appendices**: For additional resources, diagrams, or data relevant to the project.

This SRS document is intended to serve as a comprehensive guide for all parties involved in the development and deployment of the Online Job Portal, ensuring alignment and clarity throughout the project lifecycle.

**1.3 Project Scope**

The Job Portal will provide a user-friendly interface for job seekers to create profiles, search for job opportunities, and apply for positions. Employers will be able to post job listings, review applicant profiles, and manage the recruitment process. The system will also include administrative features to manage user accounts, monitor system activity, and generate reports.

**2. Overall Description**

**2.1 Product Perspective**

The Job Portal will operate as a standalone web application, interacting with a database to store user information, job listings, and application data. It will be accessible through popular web browsers and responsive to various devices.

**2.2 Product Features**

**2.2.1 Job Seeker Module**

- User Registration and Profile Creation

- Job Search and Filtering

- Application Submission

- Resume Upload

- Job Recommendations

**2.2.2 Employer Module**

- Company Registration and Profile Setup

- Job Posting

- Application Review

- Applicant Tracking

- Communication with Applicants

**2.2.3 Administrator Module**

- User Account Management

- System Monitoring

- Reporting and Analytics

- Content Moderation

**2.3 User Classes and Characteristics**

1. Job Seeker: Individuals actively seeking employment.

2. Employer: Companies or organizations looking to hire.

3. Administrator: System administrators responsible for overall system management.

**3. System Features**

**3.1 User Registration and Authentication**

**3.1.1 Description**

Users can register for an account, providing necessary information. Authentication will be required for accessing personalized features.

**3.1.2 Acceptance Criteria**

- Users can register with a valid email address.

- Authentication requires a secure username and password.

**3.2 Job Search and Filtering**

**3.2.1 Description**

Job seekers can search for relevant job listings based on various criteria such as location, industry, and job type.

**3.2.2 Acceptance Criteria**

- Users can filter job listings by location, industry, and job type.

- Search results are displayed in a user-friendly manner.

**3.3 Application Submission**

**3.3.1 Description**

Job seekers can apply for jobs by submitting their resumes and relevant information.

**3.3.2 Acceptance Criteria**

- Users can submit applications for multiple job listings.

- Submitted applications are stored for future reference.

**3.4 Job Posting**

**3.4.1 Description**

Employers can post job listings, including details such as job description, requirements, and application deadlines.

**3.4.2 Acceptance Criteria**

- Employers can create, edit, and delete job listings.

# - Job listings include essential details for job seekers.

**3.5 Application Review**

**3.5.1 Description**

Employers can review submitted applications and shortlist candidates for further consideration.

**3.5.2 Acceptance Criteria**

- Employers can view detailed applicant profiles.

- Shortlisting and rejection features are available.

**4. External Interface Requirements**

**4.1 User Interfaces**

The user interfaces will be intuitive, responsive, and accessible across various devices.

**4.2 Hardware Interfaces**

The system will be accessed through standard web browsers, requiring no specific hardware interfaces.

**4.3 Software Interfaces**

- The application will interact with a relational database for storing and retrieving data.

- Integration with third-party authentication services for secure user login.

**5. Non-functional Requirements**

**5.1 Performance**

- The system should respond to user actions within 2 seconds.

- The database should handle concurrent user interactions without performance degradation.

**5.2 Security**

- User authentication should use secure encryption protocols.

- Personal and sensitive information should be stored securely.

**5.3 Reliability and Availability**

- The system should be available 99.9% of the time.

- Regular backups of the database should be performed.

**6.1 Glossary**

- UI: User Interface

- API: Application Programming Interface

- HTML: Hyper Text Markup Language

- CSS: Cascading Style Sheets

- JavaScript: Programming language used for web development.

**6.2 References**

- ejob.com.bd

- bdjobs.com

- www.careerjet.com.bd