

Software Requirements Specification for

Exam Registration

Introduction :

Purpose :

- The Web Application is designed to help candidates complete exam registration.
- To save time for both candidates and administrator by streamlining registration and Management
- To Reduce manual work by automating the exam registration process.

Internal Audience :

- Candidates
- Administrators

Scope :

- Candidates registering for exam by submitting their personal (name , mail id . DOB) and academic details(dept,college,regno)
- Admins can manage exams verify Candidates and Maintain Records.

Definition :

An exam registration web application is a platform that allows Students to Sign up and helps the Administrator of everyone's registration.

Overall Description :

User Interface :

- Login / Sign up
- Home Page
- Registration Page
- Payment Page
- Confirmation Page

System Interface :

- Candidate Interface
- Admin Interface
- Database Interface
- External Interface

Software and Hardware Requirements :

Software Requirements :

- Any windows Operating System
- For front end technologies use HTML ,CSS,Javascript and other Libraries like React JS , Angular
- For Handling database using PHP and MySQL

Hardware Requirements :

- The application requires all device must have internet connection
- RAM Stroge - Minimum 4 GB to Maximum 16 GB

Constraints :

- Candidates can only register before the last date.
- Each Candidate must register with Unique Email or ID.

User Characteristics :

- Candidates have basic knowledge to access the web application.
- Admins need Computer Skills Attention to Details , Decision-Making , Data Management and Basic Communication Skills

System features and Requirements :

Functional Requirements:

- FR1 : user registration.
- FR2 : Login/Authentication.
- FR3 : Exam Selection.
- FR4 : Document upload.
- FR5 : Admin Approval.
- FR6 : Notification.
- FR7 : Data Management.

Use case:

- **Candidate I/P:**

- candidate Name.
- Date of Birth
- Email ID
- Phone number
- Exam selection
- Upload documents

- **Admin I/P's:**

- Exam details.
- Questions and Answers.
- Login Credentials.
- Result queries.

External Interface Requirements

- **user interface**
 - web based registration page
 - confirmation message
 - exam selection page
- **Hardware Interface**
 - server to host application
 - user device
 - Network connection
- **Software Interface**
 - Database
 - Authentication System
 - Email/SMS service for notification

Non-functional Requirement

- **Performance Requirements**
 - handle multiple user at a time
 - Quick registration process
- **Security Requirements**
 - Security login page
 - Encrypted data transmission
 - protected password
- **Reliability Requirements**
 - Data shouldn't be lost
 - Automatic backup

Database Requirements

- **Database type**
 - the System shall use a relational Database
 - The database shall store all registration securely
 - the database shall support multiple users at the same time
- **Data to be stored**
 - user ID
 - email
 - name
 - password

