**SRS DOCUMENT FOR REGISTERATION FORM**

**1. Introduction**

**1.1 Purpose**

The purpose of this document is to provide a detailed description of the requirements for the development of a Registration Form for a web application.

**1.2 Scope**

The Registration Form will be a crucial component of the web application, allowing users to create accounts and access various features. The form should collect necessary information securely and efficiently.

**1.3 Definitions, Acronyms, and Abbreviations**

* SRS: Software Requirements Specification
* UI: User Interface

**2. Overall Description**

**2.1 Product Perspective**

The Registration Form will be part of a larger web application. It should integrate seamlessly with the overall user interface and database.

**2.2 Product Features**

The Registration Form should include the following features:

* Basic user information collection (e.g., name, email, password).
* Validation for email format and password strength.
* Captcha or other anti-bot measures.
* Terms and Conditions agreement checkbox.
* Secure data transmission and storage.

**2.3 User Classes and Characteristics**

There will be two main user classes:

* Guests**:** Users who are not registered and wish to create an account.
* Admins: Users with administrative privileges overseeing user registrations.

**3. System Features**

**3.1 User Registration**

The form should include fields for:

* Full Name
* Email Address
* Password
* Confirm Password
* Captcha

**3.2 Validation**

* Ensure email is in a valid format.
* Password must meet minimum complexity requirements.
* Password and Confirm Password fields must match.

**3.3 Security**

* Use HTTPS for secure data transmission.
* Encrypt and securely store user passwords.
* Implement measures to prevent common security threats, such as SQL injection.

**3.4 Terms and Conditions**

Include a checkbox for users to agree to the Terms and Conditions before proceeding with registration.

**3.5 Error Handling**

Provide clear error messages for users if they input incorrect information, and guide them on how to rectify the issues.

**4. External Interface Requirements**

**4.1 User Interfaces**

The UI should be user-friendly, responsive, and compatible with various devices and browsers.

**4.2 Hardware Interfaces**

The Registration Form should be accessible from any device with internet connectivity.

**4.3 Software Interfaces**

Integrate with a backend server for user data storage and retrieval.

**5. Non-functional Requirements**

**5.1 Performance**

The Registration Form should load within 3 seconds, and data processing should be efficient even during peak usage.

**5.2 Reliability**

The system should be available 99.9% of the time.

**5.3 Scalability**

The system should be able to handle a growing number of registrations without a significant decrease in performance.

**6. Other Requirements**

**6.1 Legal and Compliance**

Ensure that the Registration Form complies with relevant data protection and privacy regulations.

**6.2 Documentation**

Provide comprehensive user and developer documentation for the Registration Form.

**7. Appendices**

**Appendix A**: Mockups of the Registration Form

Appendix A includes visual representations (mockups) of the Registration Form to provide stakeholders with a clear understanding of the form's layout, design, and user interaction. Mockups serve as a visual reference for developers, designers, and other project stakeholders.