Functional Requirements Specification (FRS) Document for ISTQB India Website

**1. Introduction**

1.1 Purpose

The purpose of this Functional Requirements Specification (FRS) document is to outline the functional requirements for the ISTQB India website. This document will provide a comprehensive guide for developers, designers, and stakeholders to understand the necessary features and functionalities needed for the website.

1.2 Scope

The scope of this document includes all functionalities of the ISTQB India website, including user interfaces, navigation, content management, user registration, examination information, and other relevant features.

1.3 Definitions, Acronyms, and Abbreviations

* ISTQB: International Software Testing Qualifications Board
* FRS: Functional Requirements Specification
* UI: User Interface
* CMS: Content Management System

1.4 Overview

This document is organized into sections detailing the functional requirements for different components of the ISTQB India website, including the home page, navigation, user accounts, examination information, and more.

**2. Overall Description**

2.1 Product Perspective

The ISTQB India website serves as an informational and registration portal for individuals seeking certification in software testing. The website must provide a professional and user-friendly interface to facilitate navigation, information access, and examination registration.

2.2 Product Functions

The website will offer the following key functions:

* Informational pages about ISTQB certifications and examinations
* User registration and account management
* Examination registration and scheduling
* News and updates related to software testing
* Resources and study materials for candidates

2.3 User Characteristics

The primary users of the website include:

* Aspiring software testers seeking certification
* Certified professionals looking to update their credentials
* Organizations and companies interested in ISTQB certifications for their employees

2.4 Constraints

The website must comply with security and privacy standards, ensuring user data protection. It should be accessible across various devices and browsers, and scalable to accommodate increasing user traffic.

**3. Specific Requirements**

3.1 User Interfaces

3.1.1 Home Page

The home page must be designed to provide a clear introduction to ISTQB certifications, highlighting key features and benefits. It should include:

* A header with the ISTQB logo, navigation menu, search bar, and contact information.
* A carousel or slideshow showcasing important updates, upcoming exams, and featured news.
* Sections for latest news, upcoming exams, and featured resources.
* A footer with links to important pages such as About Us, Contact Us, Privacy Policy, and Terms & Conditions.

A screenshot of a website

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A screenshot of a computer software

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3.1.2 Navigation

The website should have a consistent and intuitive navigation structure, including:

* Main menu with links to Home, About ISTQB, Certifications, Exam Information, Resources, News, Contact, and User Account.
* Drop-down menus for sub-categories under each main menu item.
* Breadcrumb navigation on all pages for easy backtracking.

A screenshot of a website

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3.2 Examination Information

3.2.1 Certification Information

The website should provide detailed information on all available ISTQB certifications, including:

* Overview of each certification level (Foundation, Advanced, Expert).
* Prerequisites and eligibility criteria.
* Examination syllabus and format.
* Study materials and recommended resources.

3.2.2 Exam Registration

Users should be able to register for exams with the following steps:

* Selecting the desired certification exam.
* Viewing available dates and locations.
* Completing the registration form with necessary details.
* Online payment integration for registration fees.
* Confirmation of registration and email notifications.

3.3 Content Management

The website should include a robust CMS for managing content such as news, articles, and updates:

* Admin interface for creating, editing, and deleting content.
* Support for multimedia content including images and videos.
* Categorization and tagging of content for easy retrieval.
* Scheduling of content publication.

3.4 Security Requirements

The website must implement security measures to protect user data and ensure secure transactions:

* SSL encryption for data transmission.
* Secure user authentication and password storage.
* Regular security audits and updates.

**4. Non-Functional Requirements**

4.1 Performance

* The website should load within 3 seconds on average.
* It should be able to handle up to 500 concurrent users without performance degradation.

4.2 Reliability

* The website must have an uptime of 99.9%.
* Regular backups should be taken to prevent data loss.

4.3 Scalability

* The website architecture should support scalability to accommodate future growth in user base and content.

4.4 Usability

* The website interface should be intuitive and easy to navigate.
* It should provide clear feedback to users on actions performed (e.g., form submissions, successful registrations).

4.5 Maintainability

* The website code should be well-documented and follow best practices to facilitate maintenance and updates.