Software Review Specification(SRS)

version 1.0

Toastmasters Web Application

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1. **Introduction**

1.1 Purpose of this Document

The purpose of this SRS document is to provide a detailed overview of our web application, its parameters and goals.This document describes the project's largest audience and it's user interface, hardware and software requirements. It defines how client,team and audience see the product and its functionality.

1.2 Scope of the Project

The scope is to made a web application for the Thapar Toastmasters Club. In this,a member of the club will be able to login into the system and see his/her progress and remarks of the meetings. A non-member will be able to see the details of next meeting, minutes of meeting of every meeting and also the contact details.Any Student of Thapar can post the article to Admin which then will be verified by Admin and posted to Website.Admin will be able to add/delete the member's account and change the details of members.

1.3 Definitions

Definitions

Table 1 gives explanations of most commonly used terms in SRS Document.

Table-1 Definitions for most commonly used terms

S.no.	Term	Definitions
1	Web Application	Refers to Toastmasters Website

S.no.	Term	Definitions
2	Admin	Refers to one who got the total access to the website.Only President and Webmaster will be considered as admin.
3	Blog	Website's Article Page

1.4 Overview

The remaining sections of this document provide a general description, including characteristics of the users of this project, the product's hardware, and the functional and data requirements of the product. General description of the project is discussed in section 2 of this document. Section 2 gives the functional requirements, data requirements and constraints and assumptions made while designing the multi-utility system. It also gives the user viewpoint of product use. Section 3 gives the specific requirements of the product. Section 3.0 also discusses the external interface requirements and gives detailed description of functional requirements.

2.0 Overall Description

2.1 Product Perspective

The Product is made for the members of Toastmasters Club, so that they can keep track of the meetings and record the outcomes of the meetings.

2.2 Product Functions

The Web Application must be able to perform the following operations:

- **Identify the Member**-Member will login by providing the registered email-id and password.
- **Identify the Admin**-Only President and Web-Master will be treated as Admin's.
- **Post the Articles**-Any student of Thapar can post article written by him/her to Blog page of the Website.
- **Maintain the member records**-Details of roles taken and the improvement points will be submitted by member's.
- **Maintain the meeting details**-Secretary of the club can upload the minutes of meetings.
- **Upload Word of the Day**-Admin will also be able to upload the word of the day.

2.3 User Classes and Characteristics

Different Type of Users will be:

- **Non-Members**-Only able to visit the website and read articles,minutes of meeting and word-of-the-day.Also able to post the articles using their FB account.
- **Members**-Able to login into their accounts and able to jolt down what they have learnt in the meeting.
- **Admin-**Able to add/delete member's account.Post the 'Word-of-the-day' and verify the articles posted by Users.
- **Secretary**-Able to post Minutes of Meeting and Roles taken by members in the meeting.
- **VP Education**-Able to post Meeting Details(Venue,Time,Theme,Date).

2.4 Operating Environment

The User need an internet connection and a device(mobile/laptop/tablet).

2.5 Design and Implementation Constraints

The technologies to be used are:-

- **Front-End**-HTML,CSS,JS,Material Design(framework for css),jQuery (Library of JS)
- **Back-End**-MySQL or CloudSQL(if able to use Google App Engine)
- **Server Side Script**-PHP
- **Development Software**-Google App Engine or xampp/mamp/lamp.
- **API's**-Facebook Like/Share API,Google Login API, Facebook Comments API.

3.0 System Features

3.1 Word of the Day

3.1.1 Description and Priority
The admin will post a word daily with its meaning and will provide two sentences.

Priority-Medium

3.1.2 Stimulus/Response Sequence
Users can comment on the word using their FB account.

3.1.3 Functional Requirements
Facebook API will be used for the comment module.

3.2 Blog

3.2.1 Description and Priority
The Users(Members/Non-members) can post their articles to the website's blog including their name and designation.

Priority-Medium

3.2.2 Stimulus/Response Sequence
Firstly,Admin will verify the article then it will be posted to the Blog.Users can comment on the articles using their FB account.

3.2.3 Functional Requirements
Facebook API will be used for the comment module.

3.3 Login for Members

3.3.1 Description and Priority
The Members can login to their account using an username and password.
President of the Club and Webmaster will have different login usernames and passwords.

Priority-High

3.3.2 Stimulus/Response Sequence
The Users will be logged into their respective accounts and will be given access to the feature 3.4.
The admin will have additional access to the features 3.5 and 3.6.

3.3.3 Functional Requirements
Security will be the main concern here.Therefore,Salts and Hashing will be used.

3.4 Diary

3.4.1 Description and Priority
The Members can record what they have learnt in the meetings.

Priority-Medium

3.4.2 Stimulus/Response Sequence
The data of every meeting will be saved into database.

3.4.3 Functional Requirements
Diary is only accessed by members.Not even admin can access it.

3.5 Add/Delete Member Accounts

3.5.1 Description and Priority
Admin can add/delete the member's account.Member details include his/her name,phone,email,roll_no,password.

Priority-High

3.5.2 Stimulus/Response Sequence
An email will be sent to the member's mail which will include the member ID,username(email),password.

3.5.3 Functional Requirements
Mail server will be needed to send the mail.

3.6 Update Meeting Details

3.6.1 Description and Priority

VP Education,Secretary and Admin can Update meeting Details.Details include Date,Time,Venue,Theme of meeting, Toastmaster of the day,Speakers(name, project, topic,Evaluator),Timer,Ah Counter,Listener,General Evaluator,Table Topic Master.

Details will be added before the happening of the meeting.

Priority-High

3.6.2 Stimulus/Response Sequence

Next Meeting details will be shown on the Index page.

4.0 Other Non-Functional Requirements

4.1 Security Requirements

Security of the system is the main concern as the personal data of the member's will be saved.Therefore, data will be encrypted before every data transfer to the server.

4.2 Software Quality Attributes

As the Users will not be aware of technicalities of the Web Application, proper error messages should be displayed to the Users.The Code should be reusable,maintainable and flexible. The website should be fast and responsive in nature i.e. It should open properly in any type of device.