STP

Powerful Women

First web application

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**Software Requirements Specification (SRS)**

**Introduction**

The Women web application is a website that allows visitors to view and submit information about notable women. The website stores information about women in a database and allows visitors to rate and review them. In addition, visitors can contact the website's administrators through a form. This document describes the software requirements for the Women web application.

**Functional Requirements**

* **FR-1**: The website must display information about all women stored in the database.
* **FR-2**: The website must allow visitors to add a new woman to the database by submitting a form.
* **FR-3**: The website must allow visitors to rate and review women stored in the database.
* **FR-4**: The website must allow visitors to contact the website's administrators through a form.
* **FR-5**: The website must allow visitors to delete women from the database.

**Non-functional Requirements**

* **NFR-1**: The website must be able to handle a moderate amount of traffic.
* **NFR-2**: The website must be secure and protect user data.
* **NFR-3**: The website must be responsive and display properly on various devices.
* **NFR-4**: The website must have a user-friendly interface.

**Database Requirements**

* The website must use a SQLite database named "women.db".
* The database must have three tables: Women, Reviews, and Contact.
* The Women table must have the following fields:
  + id (primary key)
  + rate (integer, required)
  + name (string, required)
  + position (string, optional)
  + company (string, required)
  + country (string, required)
  + birth\_date (string, required)
  + about (string, required)
  + filename (string, optional)
* The Reviews table must have the following fields:
  + id (primary key)
  + woman\_id (integer, required)
  + name (string, required)
  + review\_text (string, required)
* The Contact table must have the following fields:
  + id (primary key)
  + name (string, required)
  + email (string, required)
  + message (string, required)

**Constraints and Assumptions**

* Uploaded image files must have a file extension of "png", "jpg", "jpeg", "gif", or "jfif" and must not exceed 16 MB in size.
* The application assumes that visitors will provide valid and accurate information when adding women to the database or submitting contact information.

**Software Test Plan (STP)**

**Introduction**

The purpose of this document is to provide a test plan for the Women web application. The test plan outlines the testing process for verifying that the software requirements are met and that the website is functioning correctly.

**Test Approach**

The testing approach for the Women web application will be a combination of manual and automated testing. Manual testing will be used to verify that the website's user interface is user-friendly and that all functionality is working as expected. Automated testing will be used to ensure that the website is responsive and that all links and forms are functioning correctly.

**Test Environment**

The Women web application will be tested in a local development environment using the following software and tools:

* Python 3.9
* Flask 2.1.0
* SQLite 3
* Selenium WebDriver 3.141.0
* Google Chrome 96.0.4664.45

**Test Cases**

Functional Requirements

* **FR-1**: The website must display information about all women stored in the