**ServerLess Document Publishing Application**

**Software Requirement Specification**

**Documentation**

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# Introduction

The following subsections of the Software Requirements Specifications (SRS) document provide an overview of the entire SRS.

## Purpose

The Software Requirements Specification (SRS) will provide a detailed description of the requirements for the ServerLess Document Publishing Application(SDPA). This SRS will allow for a complete understanding of what is to be expected of the SDPA to be constructed. The clear understanding of the ServerLess Document Publishing Application and its’ functionality will allow for the correct Web Application to be developed for the end user and will be used for the development of the future stages of the project. This SRS will provide the foundation for the project. From this SRS, the ServerLess Document Publishing Application can be designed, constructed, and finally tested.

This SRS will be used by the Web Developer constructing the ServerLess Document Publishing Application and the end users. The Web Developer will use the SRS to fully understand the expectations of this ServerLess Document Publishing Application to construct the appropriate Web Application. The end users will be able to use this SRS as a “test” to see if the Web Developer will be constructing the system to their expectations. If it is not to their expectations the end users can specify how it is not to their liking and the Web Developer will change the SRS to fit the end users’ needs.

Feature-rich Resume Builder and News Letter is used for automating the process of Resume Writing. This would be facilitating the employees and Students to make and print their resumes in a proper format. In addition, it will be facilitating the higher management to search the employees and Students depending upon their skills sets and other attributes. Anotehr feature is News Letter is used for automating  newsletter to promote your business or product the content of a good marketing newsletter, apart from being attractive for the target audience, should always be factual and impartial, otherwise it would lose its credibility towards the customer.

## Scope

* we describe what features are in the scope of the software and what are not in thescope of the software to be developed.
  1. User should be able to Login and Log out.
  2. User should be able to select Resume.
  3. User should be able to select News Letter.
  4. User should be able to Add\Update\Delete\view details for Resume.
  5. User should be able to Add\Update\Delete\view for News Letter.
  6. User Should be able to Publish or Download Document.
  7. Admin Should be able to Login and Log out..
  8. Admin should be able to Add\Update\Delete\Display form structure for Resume.
  9. Admin should be able to Add\Update\Delete\Display form structure for News Letter.
  10. Admin should be able to Add\Update\Delete\Display Template for News Letter.
  11. Admin should be able to Add\Update\Delete\Display Template for Resume.
  12. Admin should be able to Download Document or Publish Document.

## 1.3 Definitions, Acronyms, and Abbreviations.

SRS : Software Requirements Specification

SDPA: ServerLess Document Publishing Application

UML: unified modeling language

REST:Representational state transfer

API: Application Programming Interface

MSA: Microservices Architecture

Subjective satisfaction : The overall satisfaction of the system

End users :The people who will be actually using the system

## 1.4 Overview

The SRS is organized into two main sections. The first is The Overall Description

and the second is the Specific Requirements. The Overall Description will describe the requirements of the ServerLess Document Publishing Application from a general high level perspective. The Specific Requirements section will describe in detail the requirements of the system.

# 2 The Overall Description

## 2.1 Product Perspective

The ServerLess Document Publishing Application is a web application to build Resume and NewsLetter .

**2.1.1 Hardware Interfaces**

The ServerLess Document Publishing Application will be placed on the web.

### Software Interfaces

All databases for the ServerLess Document Publishing Application will be configured using MongoDB. These databases include ResumeStructures tables and Users information. These can be modified by the end users.The Users information database will contain all the information of the Users such as User name, email, username, password.

## 2.2 Product Functions

This subsection of the SRS should provide a summary of the major functions that the software will perform. For example, an SRS for an Resume Structure program may use this part to get user information like Basic Details,Qualification Details,Work Experience,Project Details,Achievements Details,Skills Details, Honor Award, Languages, Hobbies and Profile Photo.

**2.3 User Characteristics**

There are two types of users that interact with the system: users and administrators. Each of these two types of users has different use of the system so each of them has their own requirements.

The users can only use the application to fill necessary details for Resume . This means that the user have to be able to fill details for resume, choose a Templates from Templates and then export to html,pdf.

The administrators also only interact with the web portal. They are managing the overall system so there is no incorrect information within it. The administrator can manage the information for each users like export multiple resume at time.

## 2.4 Assumptions and Dependencies

**3 Specific Requirements**

This section contains all the software requirements at a level of detail, that when combined with the system context diagram, use cases, and use case descriptions, is sufficient to enable designers to design a system to satisfy those requirements, and testers to test that the system satisfies those requirements.

**3.1 External Interfaces**

The ServerLess Document Publishing Application will use the standard input/output devices for a personal computer. This includes the following:

* Keyboard
* Mouse
* Monitor
* Printer

**3.1.1 User Interfaces**

**Screen Name Description**

|  |  |
| --- | --- |
| User Login Page | This Page is for User to Login\Logout into the system. |
| User Dashboard | The User dashboard provide the options for User to select Resume,News Letter. |
| Resume Page | Afer Selecting the Resume User should be able to Add\Update\Delete\View details for Resume. |
| News Letter Page | Afer Selecting the News Letter User should be able to Add\Update\Delete\View details for News Letter. |
| Publish Page | Thirough this page user Should be able to Publish or Download Document in PDF,WORD format |
| Admin Login Page | This Page is for Admin to Login\Logout into the system |
| Admin Dashboard | The Admin dashboard provide the options for Admin to select Resume,News Letter. |
| Modify Resume Form Structure Page | Through this page the Admin can Add\Update\Delete\Display form structure for Resume. |
| Modify NewsLetter Form Structure Page | Through this page the Admin can Add\Update\Delete\Display form structure for News Letterr. |
| Modify Resume Template Structure Page | Admin should be able to Add\Update\Delete\Display Template for News Letter. |
| Modify NewsLetter Template Structure Page | Admin should be able to Add\Update\Delete\Display Template for Resume. |
| Publish Page | Admin should be able to Download Document or Publish Document PDF,WORD format. |

**3.1.2 Software Interfaces**

**Development Side tool**

* Front End Tools: Angular CLI(5.0.2),Angualr Material
* Back End Tools : MongoDB,Robo 3T 1.1.1
* Documentation Tools: MicrosoftSoft Word 2013
* Web browser : Mozilla Firefox 2.0 or higher, Google Crome

**Client Side (Web Portal)**

* Web browser: Mozilla Firefox 2.0 or higher, Google Crome
* Operating System : Windows XP or Higher

**3.1.3 Hardware Interfaces**

* Pentium Processor
* 2.13 GHz or higher
* 2 GB RAM or higher
* 120 GB Hard Disk or higher
* CD-ROM or DVD-ROM Drive
* Ms Mouse Pointer
* Server Operating System can be Linux/Windows 2000/XP/7

**3.2 Functional Requirements:-**

* **User should be able to Login and Logout**

**Input:**  Username and password

**Process:**

* + The User shall be able to Login by providing the username and password .

**Output:** valid user redirected to Dashboard.invalid user get proper message.

* **User Dashboard**

**Process:**

* + The User Dashboard Provide two options Resume and NewsLetter.
  + The resume option shall be able to get the user information for the build resume.
  + The NewsLetter option shall be able to get the information for the build NewsLetter.
* **Resume Page**

**Input:**

* + - **Basic Details:**
      * First\_Name
      * Last\_Name
      * DOB
      * Email
      * Gender
      * Country
      * City
      * Address
      * Contact
      * Social Media
        + Website
        + twitter
        + Skype
        + Linked In
        + Facebook
        + Quora
    - **Qualification Details**
      * Degree Name
      * Institute Name
      * University
      * Statuse
      * Year of passing
      * Address
      * CGPA
    - **Work Experience**
      * Designation
      * Company Name
      * Starting date
      * ending date
      * Status
      * Country
      * city
      * Responsibility
      * Reference Contact
      * Reference Contact Designation
    - **Project Details**
      * Project Title
      * Technologies
      * Duration
      * Description
    - **Achievements Details**
      * Certificate name
      * Description
    - **Skills Details**
      * Categories
      * Technical Skills
        + Web Server
        + Languages/Technologies
        + Mobile Technology
        + Development Tools
        + Libraries & Framework
        + Repositories
        + Database
        + Operating Systems
        + Others
    - **Honor Award**
      * Award Name
      * Month
      * Year
      * Company/institute
      * Description
    - **Languages**
      * Language Name
      * Read
      * Write
      * Speak
    - **Hobbies**
      * Hobby Name
    - **Profile Photo**
      * Profile Pic-image

**Process:**

* + - * Allow user to fill up Basic Details
      * Allow user to fill up Qualification Details
      * Alllow user to fill up Work Experience Details.
      * Allow user to fill up Project Details.
      * Allow usre to fill up Achievements Details.
      * Allow user to fill up Skills Details.
      * Allow user to fill up Honor Award.
      * Allow user to fill Languages Details.
      * Allow user to fill Hobbies Details.
      * Allow user to upload Profile Photo.

**Output:**

* + - * User get proper message after submitting Details
* **NewsLetter Page**

**Input:**

* News Letter Details
* Select Department Name
* Name/title
* Picture
* Description
* Contact
* Social Media link

**Process:**

* + - * Allow user to fill up NewsLetter Details

**Output:**

* + - * User get proper message after submitting Details
* **Publish Page:**

**Input:**

* Template Name
* Export Date & Time

**Process:**

* User should be able to view template.
* User Should be able to download Document.
* User Should be able to Publish Document

**Output:** User get published or downloaded file.

* **Admin should be able to Login and Logout**

**Input:**  Username and password

**Process:**

* + The Admin shall be able to Login by providing the username and password .

**Output:** valid Admin redirected to Dashboard.invalid user get proper message.

* **AdminDashboard**

**Process:**

* + The Admin Dashboard Provide Lisrting of Users Resumes .
  + The Admin Dashboard Provide Lisrting of Resumes Structure.
  + The Admin Dashboard provide Listing of Users NewsLetter.
  + The Admin Dashboard provide Listing of NewsLetter Template.
  + The Admin Dashboard Provide Lisrting of Resumes Template.
  + The Admin Dashboard provide facilty of Publish and Dowaload Resume and NewsLetter.
* **Modify Resume Form Structure Page**

**Input:**

Structure Name

Details

**Process:**

* + Admin should be able to Add Structure for Resume.
  + Admin should be able to Update Structure for Resume.
  + Admin should be able to Delete Structure of Resume.
  + Admin should be able to View Structure of Resum.

**Output:** Admin get proper messaeg after modify Structure.

* **Modify News Letter Structure Page**

**Input:**

Structure Name

Details

**Process:**

* + Admin should be able to Add Structure for News Letter.
  + Admin should be able to Update Structure for News Letter.
  + Admin should be able to Delete Structure of News Letter.
  + Admin should be able to View Structure of News Letter.

**Output:** Admin get proper messaeg after modify Structure.

* **Modify Resume Template Page**

**Input:**

* Template Name
* Header
* Footer
* Background image
* Thumbnail
* Uploaded date
* Designed By

**Process:**

* + Admin should be able to Add Template for Resume.
  + Admin should be able to Update Template of Resume.
  + Admin should be able to Delete Template of Resume.
  + Admin should be able to view Template of Resume.

**Output:** Admin get proper messaeg after modify Structure.

* **Modify News Letter Template Page**

**Input:**

* Template Name
* Header
* Footer
* Background image
* Thumbnail
* Uploaded date
* Designed By

**Process:**

* + Admin should be able to Add Template News Letter .
  + Admin should be able to Update Template of News Letter .
  + Admin should be able to Delete Template for of News Letter.
  + Admin should be able to view Template for of News Letter.

**Output:** Admin get proper messaeg after modify Structure

* **Publish Page**

**Input:**

* Template Name -char-Require
* User Name-char-Require
* Export Date-date-Require
* Export by-char-Require

**Process:**

* + Admin should be able toPublish or Download multiple News Letter and Resumes .

**3.3 NON FUNCTIONAL REQUIREMENTS**

* The touch interface shall be easy to use and user friendly for the end user.
* The system shall support smooth communication between the tablets and the chef computer.
* The customer shall be able to as for manual assistance.
* The system shall be capable of restoring itself to its previous state in event of failure.
* The Tomcat server shall be capable of supporting no less than 200 connections from any combination of computers, tablets and displays.
* The server shall be capable of supporting an arbitrary number of active meals/orders that is no meals/orders shall be lost.
* The server shall be capable of supporting an arbitrary number of active customer payments that is no payments shall be lost.

### 3.3.1 Performance Requirements

Performance requirements define acceptable response times for system functionality.

* The load time for user interface screens shall take no longer than two seconds.
* The log in information shall be verified within five seconds.
* Queries shall return results within five seconds.

### 3.3.2 Design Constraints

The Hotel Management System shall be a stand-alone system running in a Windows environment. The system shall be developed using Java and an Access or MySql database.

### 3.3.3 Standards Compliance

There shall be consistency in variable names within the system. The graphical user interface shall have a consistent look and feel.

### 3.3.4 Reliability

Specify the factors required to establish the required reliability of the software system at time of delivery.

### 3.3.5 Availability

The system shall be available during normal restaurant operating hours.

### 3.3.6 Security

Customer Service Representatives and Managers will be able to log in to the Hotel Management System. Customer Service Representatives will have access to the Reservation/Booking and Food subsystems. Managers will have access to the Management subsystem as well as the Reservation/Booking and Food subsystems. Access to the various subsystems will be protected by a user log in screen that requires a user name and password.

### 3.3.7 Maintainability

The Restaurant Touch Ordering System is being developed in Java. Java is an object oriented programming language and shall be easy to maintain.

### 3.3.8 Portability

The Restaurant Touch Ordering System shall run in any environment.

# 4 Change Management Process

Changes to this document may be made after approval from the project manager and the client approval officer.

# 5 Document Approvals

**Name Date**

Rachana Patel 9th-February-2015

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