Foodies Web App

Software Requirements Specification

V1.3

24/2/2023

## 

# Revision History

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Version** | **Description** | **Author** | **Date** | **Reviewed by** | **Review Date** | **Comment** |
| V 1.1 | Initial version | Nader | 20/2 | Abdullah | 21/2 | change app main architecture |
| V1.2 | Add user function requirements | Menna | 22/2 | Mahmoud | 23/2 | Increase user features and add admin functions |
| V1.3 | Add admin functions | Mahmoud | 24/2 | Sahib | 24/2 | Add technical requirements for admin functions |

Contents

[Revision History 2](#_Toc129352338)

[**1. Introduction** 4](#_Toc129352339)

[**1.1 Purpose** 4](#_Toc129352340)

[**1.2 Scope** 4](#_Toc129352341)

[**1.2.2 Non-functional Features** 5](#_Toc129352342)

[ Security & response time 5](#_Toc129352343)

[**2. User Interface Specifications** 5](#_Toc129352344)

[**3. Technical Requirements** 6](#_Toc129352345)

[**3.2 Non-functional Requirements** 12](#_Toc129352346)

[**3.2.1 Performance Requirements** 12](#_Toc129352347)

[**3.2.2 Security Requirements** 12](#_Toc129352348)

[**3.2.3 Software Quality attributes** 12](#_Toc129352349)

[**4. Change Management Process** 12](#_Toc129352350)

# 

# **1. Introduction**

In today’s age of fast food and take-out, many restaurants have chosen to focus on quick preparation and speedy delivery of orders rather than offering a rich dining experience. Until very recently, all of these delivery orders were placed over the phone, but there are many disadvantages to this system, including the inconvenience of the User needing to have a physical copy of the menu, lack of a visual confirmation that the order was placed correctly, and the necessity for the restaurant to have an employee answering the phone and taking orders.

Foodies is a web app that will provide a good source of the nearby restaurants so the users can discover and order their food, Also the restaurant owner can promote their menus and different services*.*

# **1.1 Purpose**

The Purpose of this document is to outline the requirements for the Foodies web app to be developed for the User. This document will be used by all stakeholders including developers and testers*.*

# **1.2 Scope**

**1.2.1 Functional features:**

|  |  |
| --- | --- |
| ***Admin*** | ***User*** |
| Admin can delete user | User create account using the registration form |
| Admin can add, delete restaurant | User can login successfully if he has account already |
| Admin can add, delete menu items | Users will be redirected to the home screen and search for nearby restaurant |
| Admin can add, delete offers | Users can select specific restaurant and select or edit items from order |
| **Admin can login successfully if he has account already** | User can pay his order by cash option and confirm order |
|  | User can edit his own data |

# **1.2.2 Non-functional Features**

## Security & response time

* Usability, Availability & Reliability

**1.2.3 Deliverables:**

Development and testing work products that are relevant to the User

# 1.3 Definitions, Acronyms, and Abbreviations

|  |  |
| --- | --- |
| **Abbreviation** | **Word** |
| US | User |
| A | Admin |
| TR | Technical requirement |

# 1.4 Features naming convention

The name is divided into 3 sections:

1. the first is referring to the document name.
2. the middle is referring to the role “EX: user, Admin, etc”.
3. the last is referring to the sequence of the feature.

# **2. User Interface Specifications**

Our UI design supports Web Browsers and should be able to achieve the following:

* Match between system and the real world
* [User control](https://www.interaction-design.org/literature/topics/user-control) and freedom
* [Consistency and standards](https://www.interaction-design.org/literature/topics/consistency-and-standards)
* Error prevention
* Flexibility and efficiency of use
* [Aesthetic](https://www.interaction-design.org/literature/topics/aesthetics) and [minimalist design](https://www.interaction-design.org/literature/topics/minimalist-design)
* Help users recognize, diagnose errors by error messages

# **3. Technical Requirements**

**3.1 Functional**

This will be the largest and most important section of the SRS, Each requirement in this section should be (Correct, Traceable, Unambiguous, Testable, complete).This section describes specific features of the software project. The requirements are specified in the user story format and listed below.

**3.1.1 User Features**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Page** | **USER STORY ID** | **As a** | **I want to** | **so that I can** |
| Sign-up | SRS-US-01 | User | Create my account using email and a strong password. | Login to the system |
| Login | SRS-US-02 | User | Login to the website using my email and password | Access to the website and use it’s features |
| Forget Password | SRS-US-03 | User | Change my password if I forget it | Access to the website using the new password |
| Home Page | SRS-US-04 | User | Select my city and quarter to find all nearby restaurants | Reach all my near by restaurants |
| Home Page | SRS-US-05 | User | Be able to use search box in home page | Find specific restaurant |
| Menu | SRS-US-06 | User | Choose items and qty from menu | Place my order |
| confirmatin | SRS-US-07 | User | Confirm order items and use my points for discount | Confirm my order |
| Thanks | SRS-US-08 | User | Make sure the order is submitted from the system and delivery is on his way | Know delivery time |
| Navigation Bar | SRS-US-09 | User | I want the site to has nav bar | Reach my account data and points easily |
| My account | SRS-US-10 | User | I want to edit my account data | I can use my new credentials |
|  |  |  |  |  |

**SRS-US-01 (Sign up page)**

**T1** Email - Email is required

**T2** Email - Email must not be blank

**T3**  Email - Email format is valid

**T4** Email - Email could be (commercial - organisational)

**T5** Password - Password is required

**T6** Password - Must not be blank

**T7** Password - Enter at-least one numeric value

**T8** Password - Enter at-least one uppercase letter

**T9**  Password - Enter at-least one special character

**T10** Password - Enter at-least 8 characters

**T11** Password - must be hidden (appears as black dots)

**T12** Password - user can show his hidden password through (show password button)

**T13** Confirm Password - Confirm Password must not be blank

**T14** Confirm Password - Passwords do match

**T15**  Confirm password - must be hidden (appears as black dots)

**T16** Confirm Password - user can show his hidden password through (show password button)

**T17**  confirm password - User can’t paste any data in this field

**T18** Unique ID - ID is required

**T19** Unique ID- ID must not be blank

**T20** Unique ID - First character cannot have space

**T21** Unique ID - Special characters are not allowed

**T22** Unique ID - Enter 8 alphanumeric

**T23** Telephone Number - Mobile no must not be blank

**T24** Telephone Number - Special character are not allowed

**T25** Telephone Number - Character are not allowed

**T26** sign up button must be clickable

-------------------------------------------------------------------------------------------------------------------------------------

**SRS-US-02 (Login Page)**

**T27** Email - Email is required

**T28** Email - Email must not be blank

**T29** Email - Email must be valid (registered)

**T30** Password - Password is required

**T31** Password - Must not be blank

**T32** Password - Must be matched with its registered Email

**T33** Password - must be hidden (appears as black dots)

**T34**  Password - user can show his hidden password through (show password button)

**T35** login button must be clickable

**T36** Forget Password - user can access to forget password page through (forget password button) below login field

-----------------------------------------------------------------------------------------------------------------------------------------

**SRS-US-03 (Forget Password Page)**

**T37** Email – Enter Registered Email

**T38** New Password - New Password must not be blank

**T39** New Password - Enter at-least one numeric value

**T40**  New Password - Enter at-least one special character

**T41** Confirm Password - Confirm Password must not be blank

**T42** New Passowd and confirm Password must Match

------------------------------------------------------------------------------------------------------------------------------

**SRS-US-04 (Select Address-Home Page)**

**T43** Drop Down List – Select your neighbourhood at Cairo

**T44** Drop down List – Select your Area

**T45** nearby Restaurant button must be clickable and show restaurant list below

---------------------------------------------------------------------------------------------------------------------------------------------

**SRS-US-05 (Search Box-Home Page)**

**T46** Search box - Box Displayed in top right corner above restaurant list

**T47** Search box - Field must be clickable

**T48** Search box - Field Accept input data

**T49** Search box - The (X) button must clear inserted data

**T50** Search box - Special character are not allowed

**T51** Search box - when the user clicks on search icon the system should show the restaurant written

**T52** Search box - if the user entered wrong data in search box the system should pop up an error message (no results are found) (Validation)

**T53** Select Button – Must be clickable and redirect user to the selected restaurant menu page

-------------------------------------------------------------------------------------------------------------------------------------------

**SRS-US-06 (Restaurant Menu Page)**

**T54** Restaurant name - Restaurant name is displayed in the header

**T55** Restaurant logo - Restaurant name is displayed in the header

**T56** Offers – Offers section must appear at the top of the restaurant page

**T57** Offers item name – offer item must contain a descriptive name

**T58** Offers item description – offer item must contain a description

**T59** Offers item unit price – offer item must contain the unit item price in Egyptian Pounds

**T60** Offers item quantity – offer item must contain a numeric text box with plus and minus button

**T61** Offers item quantity – the quantity text box with plus and minus button can’t accept alphabetic value

**T62** Offers item quantity – the quantity text box with plus and minus button accept numbers from range 1–100

**T63** Menu Items – Menu Items section must appear below the Offers section

**T64** Menu item name – menu item must contain a descriptive name

**T65** Menu item description – menu item must contain a description

**T66** Menu item unit price – menu item must contain the unit item price in Egyptian Pounds

**T67** Menu item quantity – menu item must contain a numeric text box with plus and minus button

**T68** Menu item quantity – the quantity text box with plus and minus button can’t accept alphabetic value

**T69** Menu item quantity – the quantity text box with plus and minus button accept numbers from range 1 – 100

**T70** Place order button – the button must be clickable

**T71** Place order button – the button will redirect the user to the order summary page

----------------------------------------------------------------------------------------------------------------------------------------------

**SRS-US-07 (Confirmation Page)**

**T72** Ordered Items names – Each ordered item must have its name

**T73** Ordered Items quantities – Each ordered item must have its ordered quantity

**T74** Ordered Items unit prices – Each ordered item must have its unit price

**T75** Ordered Items prices – Each ordered item must have the its total price (unit item price \* quantity of this ordered item)

**T76** Order total prices – The total price of the order must be shown below the orders items

**T77** Order delivery address – The order delivery address is consisting of the city and area which the user choose in home page drop-down lists written, and an empty text box for the user to enter his specific address.

**T78** Order delivery address text box – The order delivery address text box can accept alphanumerical value

**T79** Confirm order button – The button must be clickable

**T80** Confirm order button – The button will redirect the user to the thank you page

----------------------------------------------------------------------------------------------------------------------------------------------

**SRS-US-08 (Thanks Page)**

**T81** page must show thanks phrase for the customer and confirm that order has been submitted and will be prepared and delivered within specific time

----------------------------------------------------------------------------------------------------------------------------------------------

**SRS-US-09 (Navigation Bar)**

**T82** Navigation bar must appear in all pages of the web site (validation).

**T83** Navigation bar must contain web logo icon and navigate to the “home” page.

**T84** Navigation bar must contain “my account” button and navigate to the “my account” page.

**T85** Navigation bar must contain “loyalty points” button and navigate to the “loyalty point” page.

**T86** Navigation bar must contain “logout” button to exit the web site.

----------------------------------------------------------------------------------------------------------------------------------------------

**SRS-US-10 (My Account -Nav Bar)**

**T87** ID text box must contain – the current user ID

**T88** ID text box must be dimmed

**T89** Edit ID button must be clickable

**T90** ID text box will be changed to be enabled when user click on Edit ID button

**T91** New ID must follow the same mentioned constrains on ID field

**T92** Email text box must contain – the current user Email

**T93** Email text box must be dimmed

**T94** Edit Email button must be clickable

**T95** Email text box will be changed to be enabled when user click on Edit Email button

**T96** New Email must follow the same mentioned constrains on Email field

**T97** phone text box must contain – the current user phone

**T98** phone text box must be dimmed

**T99** Edit phone button must be clickable

**T100** phone text box will be changed to be enabled when user click on Edit phone button

**T101** New phone must follow the same mentioned constrains on phone field

**3.1.2 Admin Features**

|  |  |  |  |
| --- | --- | --- | --- |
| **USER STORY ID** | **As a** | **I want to** | **so that I can** |
| SRS-A-01 | Admin | Add restaurant name and info | Add new restaurant |
| SRS-A-02 | Admin | Add item name and item price | Add new menu items |
| SRS-A-03 | Admin | Click delete restaurant button | Delete specific restaurant |
| SRS-A-04 | Admin | Click delete menu item button | Delete specific menu item |
| SRS-A-05 | Admin | Click add offer button and select restaurant and write offer percentage in text field then press ok | Add offer to any restaurant |
| SRS-A-06 | Admin | Click delete offer button | Delete offer from restaurant |
| SRS-A-07 | Admin | Click delete user button then go to users list, search for user name then delete it | Delete user |

**SRS-A-01 (Add Restaurant page)**

**T102** Restaurant Name – Field must not be blank

**T103** Restaurant Name – Field must not accept special characters

**T104** Restaurant Name – Field must not accept Numbers

**T105** Upload Logo – “choose file” button must be clickable

**T106** Upload Logo – Field must accept “jpg”,”png”,”jpeg” image formats only

**T107** Upload Logo – (validation massage: please choose acceptable file” jpg, png, jpeg”)

**T108** Add button – Must be clickable

**SRS-A-02 (Add Menu Item page)**

**T109** Select a restaurant – Drop down list must shows list of the restaurants

**T110** Select a restaurant – must not be blank

**T111** Item name – Field must not be blank

**T112** Item name – Field must not accept special characters

**T113** Item name – Field must not accept Numbers

**T114** Item photo – Field must accept “jpg”,”png”,”jpeg” image formats only

**T115** Item photo – (validation massage: please choose acceptable file” jpg, png, jpeg”)

**T116** Item price – Field must not be blank

**T117** Item price – Field must not accept special characters

**T118** Item price – Field must accept Numbers only

**T119** Add item button – Must be clickable

**SRS-A-03 (Delete Restaurant page)**

**T120** Select Restaurant – Drop down list must shows the list of restaurants

**T121** Select Restaurant – Field must not be blank

**T122** Delete button – Must be clickable

**SRS-A-04 (Delete Menu Item page)**

**T123** Restaurant Name – Drop down list must shows the list of restaurants

**T124** Restaurant Name – Field must not be blank

**T125** Menu Item – Drop down list must shows the list of item of the selected restaurant

**T126** Menu Item – Field must not be blank

**T127** Delete button – Must be clickable

**SRS-A-05 (Add Offer page)**

**T128** Restaurant – Drop down list must shows the list of restaurants

**T129** Restaurant – Field must not be blank

**T130** Offer Name – Field must accept characters

**T131** Offer Name – Field must accept numbers

**T132** Offer Name – Field must not accept special characters

**T133** Offer Description – Field must accept characters

**T134** Offer Description – Field must accept numbers

**T135** Offer Description – Field must not accept special characters

**T136** Add button – Must be clickable

**SRS-A-06 (Delete Offer page)**

**T137** Offer Name – Field must accept characters

**T138** Offer Name – Field must accept numbers

**T139** Offer Name – Field must not accept special characters

**T140** Offer Name – Field must not be blank

**T141** Delete button – Must be clickable

**SRS-A-07 (Delete User page)**

**T142** User ID – Field must not accept characters

**T143** User ID – Field must accept numbers

**T144** User ID – Field must not accept special characters

**T145** User ID – Field must not be blank

**T146** Delete button – Must be clickable

# **3.2 Non-functional Requirements**

## **3.2.1 Performance Requirements**

**Tn-1** The website’s load time should not be more than 5 seconds to respond

## **3.2.2 Security Requirements**

**Tn-2** Authenticate that the user and privacy of his order history is achieved by the “login Page”.

**Tn-3 Authenticate** that the admin has to Update/Delete/Add users, admins, restaurants, menus and promotions.

**Tn-4 Authenticate** thatno one from the users is allowed to have admin privileges.

## **3.2.3 Software Quality attributes**

**Tn-5 Usability:** Ease of use and user-friendly Interface the user can find it easy to deal with, having the same experience as other ordering websites.

**Tn-6 Availability**: users can search for nearby restaurants on the website at any time during the day.

**Tn-7 Reliability**: customers can access their accounts without failure.