Software Requirements Specification

for

*Foodies web app*

Version *1.0 approved*

Prepared by *Aml Nasser, Hager Hany, Marina Hatem, Nora Amr, Hager El Sayed*

*iTi Smart Village*

*12-4-2022*

Table of Contents

Table of Contents ii

Revision History ii

1. Introduction 1

1.1 Purpose 1

1.2 Document Conventions 1

1.3 Intended Audience and Reading Suggestions 1

1.4 Project Scope 1

1.5 References 1

2. Overall Description 2

2.1 Product Perspective 2

2.2 Product Features 2

2.3 Operating Environment 2

2.4 Design and Implementation Constraints 2

2.5 User Documentation 2

2.6 Assumptions and Dependencies 2

3. System Features [Functional Requirements] 3

3.1 System Feature 1 3

3.2 System Feature 2 (and so on) 3

4. External Interface Requirements 3

5. Nonfunctional Requirements 4

5.1 Performance Requirements 4

5.2 Safety Requirements 4

5.3 Security Requirements 4

5.4 Software Quality Attributes 4

6. Other Requirements 4

Appendix A: Glossary 4

Appendix B: Analysis Models 5

Appendix C: Issues List 5

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
|  |  |  |  |
|  |  |  |  |

# **Introduction**

## **Purpose**

*Foodies is a web app that allows customers to order from a nearby restaurant. The customers can get their order delivered, they can pick it up themselves. The restaurants receive the order on the restaurant app and prepare the meal.*

## **Document Conventions**

*We using a templet without change the font or headers ,changing the containt based on type of project*

## **Intended Audience and Reading Suggestions**

*Intended Audience :developers, project managers, marketing staff, users, testers, and documentation writers. this SRS contains Product Scope, User Needs, Assumptions and Dependencies, Functional & nonfunction Requirements, and System Features.*

*sequence for reading the document:*

*Purpose and project scope*

* *Project functionality (what should be done and what should not be done)*
* *System performance criteria.*
* *Implementation issues (risks) if any.*

## **Project Scope**

*The Scope of the project is as follows:-*

* *To build a system that the user can register for getting the nearby restaurant*
* *after choose the restaurant, the user can select items and set an order.*
* *Users can get offers and promotions based on more users using the app*

## **References**

*N/A*

# Overall Description

## **Product Perspective**

*this product is a follow-on number of restaurants, its new product. Web app file-based.*

## **Product Features**

**Users features**

* *Users create their accounts using The registration form fields are: Email, Password, UserID, Phone Number, Location.*
* *Users will be redirected to the home screen with all nearby restaurants after registering successfully.*
* *Users can search for specific restaurants.*
* *Users can select items and set an order*
* *Users can get offers and promos from nearby restaurants*

**Admin features**

* *ADD/DELETE/UPDATE user,restaurants, menus.*
* *Admin determin promotions and offers based on more user using the app*
* *add another admin*

## **Operating Environment**

* *Operating system: Windows.*
* *database: file-based*
* *platform: html ,css, js*

## **Design and Implementation Constraints**

* Web-based system/pc based
* Unique user-id
* Admin features needed

## **User Documentation**

Firstly users can register with *Email, Password, UserID, Phone Number, and Location.after this will redirect to the home page with all restaurants nearby user can make a search about a specific restaurant, after selecting the restaurant can show the menu items and set an order. Cash On Delivery is the only payment method.users can get offers and promotion fir users that using the app more.*

## **Assumptions and Dependencies**

***Assumptions***

* *Login page*

*Tracking order*

***Dependencies***

*Features of admin – features of users*

***features of users:***

***(start-start)***

*Feature Select item/restaurant – Feature register*

***features of admin:***

***(start-start)***

*Features promotion – Features menu – Add another admin*

# System Features [Functional Requirements]

**For Normal Users:**

## Register an Account

3.1.1 Description and Priority

The user registers to the Foodies Web App to have an account on which he can order food from his favorite restaurants.

*Priority: High.*

3.1.2 Stimulus/Response Sequences

-The user navigates to the Foodies Web App.

*-The user Clicks on “Create an Account” Button.*

*-The user fills the “Full Name” field.*

*-The user fills the “Password” field.*

*-The user fills the “Location” field.*

*-The user fills the “User Name” field.*

*-The user fills the “Phone Number” field.*

*-The user clicks on “Create the Account”.*

3.1.3 Functional Requirements

N/A

*Field Constraints:*

*-The “Full Name” field has to contain letters only.*

*-The “Password” field has to contain letters and numbers.*

*-The “User Name” field has to be unique. (Unlike the user names in the database file)*

*-The "Phone Number” field has to contain numbers only.*

## Sign In

3.2.1 Description and Priority

The user signs in to the Foodies Web App to his preregistered account.

*Priority: High.*

3.2.2 Stimulus/Response Sequences

-The user navigates to the Foodies Web App.

*-The user clicks on the “Sign in” Button.*

*-The user enters his username in the “User Name” field.*

*-The user enters his password in the “Password” field.*

*-The user clicks on “Sign in” Button.*

3.2.3 Functional Requirements

REQ-1: “Register an account” requirement. The user has to register an account first in order to be able to sign in.

*Field Constraints:*

-The “username” and “password” fields have to match the database.

## Update Profile

3.2.1 Description and Priority

The user can update the data he entered while he was creating his account.

*Priority: Low*

3.2.2 Stimulus/Response Sequences

-The user navigates to the Foodies Web App.

*-The user clicks on the “Sign in” Button.*

*-The user enters his username in the “User Name” field.*

*-The user enters his password in the “Password” field.*

*-The user clicks on “Sign in” Button.*

*-The user navigates to his “profile” page.*

*-The user updates “Full Name”/”user name”/ “Password”/ “Location”/ “Phone Number” fields.*

*-The user clicks on “Update” button.*

3.2.3 Functional Requirements

REQ-1: “Sign in” requirement. The user has to be able to sign in successfully in order to update his profile details.

*Field Constraints:*

-The “username” and “password” fields have to match the database in the sign in step.

-The new “username” has to be unique and unlike any username in the database file.

## Search for a restaurant

3.4.1 Description and Priority

The user can search for the restaurants he wants.

*Priority: High*

3.4.2 Stimulus/Response Sequences

-The user navigates to the Foodies Web App.

*-The user clicks on the “Sign in” Button.*

*-The user enters his username in the “User Name” field.*

*-The user enters his password in the “Password” field.*

*-The user clicks on “Sign in” button.*

*-The user clicks on the search bar.*

*-The user enters the name of the restaurant in the search bar.*

*-The user clicks on “search” button.*

3.4.3 Functional Requirements

REQ-1: “Sign in” requirement. The user has to be able to sign in successfully in order to search for the desired restaurant.

*Field Constraints:*

N/A

## Select a restaurant

3.5.1 Description and Priority

The user can select the restaurant he demands to view its menu.

*Priority: High*

3.5.2 Stimulus/Response Sequences

-The user navigates to the Foodies Web App.

*-The user clicks on the “Sign in” Button.*

*-The user enters his username in the “User Name” field.*

*-The user enters his password in the “Password” field.*

*-The user clicks on “Sign in” button.*

*-The user clicks on the desired restaurant.*

*-The user is able to view the restaurant’s menu.*

3.5.3 Functional Requirements

REQ-1: “Sign in” requirement. The user has to be able to sign in successfully in order to select the desired restaurant.

*Field Constraints:*

N/A

## Select meals

3.6.1 Description and Priority

After the user selected the restaurant he demands and viewed its menu he can select the meals from it.

*Priority: High*

3.6.2 Stimulus/Response Sequences

-The user navigates to the Foodies Web App.

*-The user clicks on the “Sign in” Button.*

*-The user enters his username in the “User Name” field.*

*-The user enters his password in the “Password” field.*

*-The user clicks on “Sign in” button.*

*-The user clicks on the desired restaurant.*

*-The user is able to view the restaurant’s menu.*

3.6.3 Functional Requirements

REQ-1: “Sign in” requirement. The user has to be able to sign in successfully in order to select the desired restaurant.

*REQ-2: “Select a restaurant” requirement. The user has to select a restaurant first in order to select the meals.*

*Field Constraints:*

N/A

## Confirm order

3.7.1 Description and Priority

After the user selected the meals he wants from the desired restaurant’s menu, he confirms the order to be delivered.

*Priority: High*

3.7.2 Stimulus/Response Sequences

-The user navigates to the Foodies Web App.

*-The user clicks on the “Sign in” Button.*

*-The user enters his username in the “User Name” field.*

*-The user enters his password in the “Password” field.*

*-The user clicks on “Sign in” button.*

*-The user clicks on the desired restaurant.*

*-The user is able to view the restaurant’s menu.*

*-The user selects the meals he wants.*

*-The user clicks on “Confirm Order” button.*

3.7.3 Functional Requirements

REQ-1: “Sign in” requirement. The user has to be able to sign in successfully in order to select the desired restaurant.

*REQ-2: “Select a restaurant” requirement. The user has to select a restaurant first in order to select the meals.*

*REQ-3: “Select Meals” requirement. The user has to select meals first in order to confirm his order.*

*Field Constraints:*

N/A

## Navigate to “Offers and Promotions” page.

3.8.1 Description and Priority

The user can navigate to the ‘offers and promotions’ page in order to view the promotions, offers and his earned points.

*Priority: Medium*

3.8.2 Stimulus/Response Sequences

-The user navigates to the Foodies Web App.

*-The user clicks on the “Sign in” Button.*

*-The user enters his username in the “User Name” field.*

*-The user enters his password in the “Password” field.*

*-The user clicks on “Sign in” button.*

*-The user clicks on his photo in the navigation bar.*

*-The user clicks on “Offers and Promotions” page.*

3.8.3 Functional Requirements

REQ-1: “Sign in” requirement. The user has to be able to sign in successfully in order to navigate to the offers page.

*Field Constraints:*

N/A

## Select an offer to apply

3.9.1 Description and Priority

After the user navigates to the ‘offers and promotions’ page and viewed the promotions, offers and his earned points, He chooses one of them to apply.

*Priority: Medium*

3.9.2 Stimulus/Response Sequences

-The user navigates to the Foodies Web App.

*-The user clicks on the “Sign in” Button.*

*-The user enters his username in the “User Name” field.*

*-The user enters his password in the “Password” field.*

*-The user clicks on “Sign in” button.*

*-The user clicks on his photo in the navigation bar.*

*-The user clicks on “Offers and Promotions” page.*

*-The user selects an offer to apply.*

*-The user clicks on “Apply” button.*

3.9.3 Functional Requirements

REQ-1: “Sign in” requirement. The user has to be able to sign in successfully in order to access the web application.

REQ-2: “Navigate to offers and promotions page” requirement. The user has to be able to navigate to this page in order to choose an offer to apply.

*Field Constraints:*

N/A

## Track Order

3.10.1 Description and Priority

After the user confirms his order, he is able to track the confirmed order.

*Priority: Low*

3.10.2 Stimulus/Response Sequences

-The user navigates to the Foodies Web App.

*-The user clicks on the “Sign in” Button.*

*-The user enters his username in the “User Name” field.*

*-The user enters his password in the “Password” field.*

*-The user clicks on “Sign in” button.*

*-The user clicks on the desired restaurant.*

*-The user is able to view the restaurant’s menu.*

*-The user selects the meals he wants.*

*-The user clicks on “Confirm Order” button.*

*-The user clicks on “Track my order” button.*

3.10.3 Functional Requirements

REQ-1: “Sign in” requirement. The user has to be able to sign in successfully in order to access the web application.

*REQ-2: “Select a restaurant” requirement. The user has to select a restaurant first in order to select the meals.*

*REQ-3: “Select Meals” requirement. The user has to select meals first in order to confirm his order.*

*REQ-4: “Confirm Order” requirement. The user has to confirm his order first in order to be able to track it.*

*Field Constraints:*

N/A

**For admins:**

## **Add Users**

3.11.1 Description and Priority

*Any admin can add new users to the foodies web app by filling the register page ,this user can use this app and set an order and get offers and promotion.*

*Priority:high*

3.11.2 Stimulus/Response Sequences

*;- Admin navigates to the foodies web app.*

*-the Admin clicks on the “create new account” button.*

*-the user fills the “full name”*

*-the user fills the “full name” field.*

*- the user fills the “password” field.*

*- the user fills the “location” field.*

*- the user fills the “username” field.*

*- the user fills the “phone number” field.*

*- the user clicks on “create the account”*

3.11.3 Functional Requirements

*Dependencies:N/A*

*Field Constraints:*

*-The “Full name” field has to contain letters only*

*-The “password” field has to contain letters and numbers*

*-The “user name” field has to be unique*

*-The “Full name” field has to contain numbers only*

## **Delete users**

3.12.1 Description and Priority

Any admin can delete users from the foodies web app,the user can not have access to using the foodies app.

Priority:high

3.12.2 Stimulus/Response Sequences

-Admin login successfully

*- navigates to the Home page.*

*-the Admin clicks on the “delete account” button.*

*- the Adimn fills the “username” field.*

*- the user clicks on “delete” button*

3.12.3 Functional Requirements

*Dependencies:*

*- user already exists*

*Field Constraints:*

*-The “user name” field has to be unique*

## **Add promotions**

3.13.1 Description and Priority

*The admin can add promotions to any restaurant in home page of foodies web app.*

*Priority:high*

3.13.2 Stimulus/Response Sequences

-Admin login successfully

*- Admin navigates to the Home page.*

*-select restaurant Who wants to add promotion to it*

*-the Admin clicks on the “Add Promotion” button.*

*- the Admin fills the “promotion details” field.*

*- the user clicks on “Add”*

3.13.3 Functional Requirements

*Dependencies:*

*-* restaurant *already exists to add promotions*

*Field Constraints:*

*N/A*

## **Delete promotions**

3.14.1 Description and Priority

*The admin can delete promotions from any restaurant in home page of foodies web app.*

*Priority:high*

3.14.2 Stimulus/Response Sequences

-Admin login successfully

*- Admin navigates to the Home page.*

*-select restaurant which wants to delete promotion from it*

*-the Admin clicks on the “delete Promotion” button.*

*- the Admin delete the “promotion details” field.*

*- the user clicks on “delete”*

3.14.3 Functional Requirements

*Dependencies:*

*-* restaurant *already exists to add promotions.*

*-* promotion details *exists to delete it.*

*Field Constraints:*

*N/A*

## **update promotions**

3.17.1 Description and Priority

*The admin can update promotions from any restaurant in home page of foodies web app.*

*Priority:high*

3.17.2 Stimulus/Response Sequences

-Admin login successfully

*- Admin navigates to the Home page.*

*-select a restaurant that wants to update promotion*

*-the Admin clicks on the “update Promotion” button.*

*- the Admin update the “promotion details” field.*

*- the user clicks on “update”*

3.17.3 Functional Requirements

*Dependencies:*

*-* restaurant *already exists to update promotions for him*

*Field Constraints:*

*-The “*restaurant *name” that the admin will enter it is unique.*

*-* the restaurant *has a promotion to update it.*

## **Add Admin**

3.18.1 Description and Priority

*The admin can add another admin in foodies web app*

*Priority:high*

3.18.2 Stimulus/Response Sequences

*-* Admin login successfully

*- Admin navigates to the foodies web app.*

*-the Admin clicks on the “Add another admin” button.*

*- the Admin fills the “user-id” field.*

*- the Admin fills the “password” field.*

*- the user clicks on “Add”*

3.18.3 Functional Requirements

*Dependencies:*

*- user already exists to update promotions for him*

*- user has a promotion to update it.*

*Field Constraints:*

*-The “user name” that the admin will enter it is unique.*

## **Add *Restaurant***

3.19.1 Description and Priority

*The admin can add restaurant in home page of foodies web app.*

*Priority:high*

3.19.2 Stimulus/Response Sequences

-Admin login successfully

*- Admin navigates to the Home page.*

*-the Admin clicks on the “Add Restaurant” button.*

*- the Admin fills the “restaurant name” field.*

*- the Admin upload the restaurant logo or picture*

*- the user clicks on “Add”*

3.19.3 Functional Requirements

*Dependencies:*

*N/A*

*Field Constraints:*

*-the* restaurant name is not exists

## **Delete *Restaurant***

3.20.1 Description and Priority

*The admin can delete restaurant from home page of foodies web app.*

*Priority:high*

3.20.2 Stimulus/Response Sequences

-Admin login successfully

*- Admin navigates to the Home page.*

*-select restaurant which wants to delete it*

*-the Admin clicks on the “delete” button.*

*- the user clicks on “delete”*

3.20.3 Functional Requirements

*Dependencies:*

*-* restaurant *already exists to delete the* restaurant*.*

*Field Constraints:*

*-all menu items will be deleted also*

## **Update *Restaurant***

3.21.1 Description and Priority

*The admin can update any restaurant info in home page of foodies web app.*

*Priority:high*

3.22.2 Stimulus/Response Sequences

- Admin login successfully

*- Admin navigates to the Home page.*

*-select a restaurant that wants to update it*

*-the Admin clicks on the “update” button.*

*- the Admin updates info of restaurant*

*- the user clicks on “update”*

3.23.3 Functional Requirements

*Dependencies:*

*-* restaurant *already exists to update it*

*Field Constraints:*

*-N/A*

## **Add *Item***

3.22.1 Description and Priority

*The admin can add items for specific restaurant in home page.*

*Priority:high*

3.22.2 Stimulus/Response Sequences

-Admin login successfully

*- Admin navigates to the Home page.*

*-the Admin select specific restaurant*

*-clicks on the “Add Item” button.*

*- the Admin fills the “item name” field.*

*- the Admin fills the “item price” field.*

*- the Admin uploads the logo or picture*

*- the user clicks on “Add”*

3.22.3 Functional Requirements

*Dependencies:*

*- N/A*

*Field Constraints:*

*-The item which the admin will add does not exist in the* restaurant

## **Delete *Items***

3.20.1 Description and Priority

*The admin can delete items from for specific restaurant*

*Priority:high*

3.20.2 Stimulus/Response Sequences

-Admin login successfully

*- Admin navigates to the Home page.*

*-the Admin selects specific restaurant*

*-select item which wants to delete it*

*-the Admin clicks on the “delete” button.*

*- the user clicks on “delete”*

3.20.3 Functional Requirements

*Dependencies:*

*-* item *already exists to delete it from the* restaurant*.*

*Field Constraints:*

*- N/A*

## **Update *Restaurant***

3.21.1 Description and Priority

*The admin can update the info of any items specific to a particular restaurant*

*Priority:high*

3.22.2 Stimulus/Response Sequences

*-Admin login successfully*

*- Admin navigates to the Home page.*

*-the Admin selects specific restaurant*

*-select item which wants to update it*

*-update the info of the item*

*-the Admin clicks on the “update” button.*

3.23.3 Functional Requirements

*Dependencies:*

*-* item *already exists to update it*

*Field Constraints:*

*-N/A*

# External Interface Requirements

## User Interface

*Supported Web Browsers: Chrome, Firefox and Microsoft Edge.*

## Hardware Interfaces

*N/A*

## Software Interfaces

*Database Management System: File Based.*

# Nonfunctional Requirements

## Performance Requirements

Under normal circumstances the web application takes about 2 seconds to respond and under different abnormal circumstances the web application will meet the performance standards in yielding correct output in about 5 seconds.

## Safety Requirements

N/A

## Security Requirements

-Authentication of the user and privacy of his order history is achieved by the “login Page”.

Resolving forgotten passwords are not handled in the project’s scope.

-Authorization of admin to Update/Delete/Add users, admins, restaurants and promotions.

No one aside from the admin is allowed to have those privileges.

## Software Quality Attributes

**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.

**Availability**: under normal circumstances the web application takes about 2 seconds to respond.

**Reliability**: under different circumstances the web application will meet the performance standards in yielding correct output in about 5 seconds.

# Other Requirements

N/A