Software Requirements Specification

for

Büyülü Bahçe

Version 1.0 approved

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Revision History

Name	Date	Reason For Changes	Version
Initial Version	20.03.22	System was designed.	1.0
Improvement Version	15.04.22	Lookup tables was added to database design.	1.1

Introduction

Purpose

This is a fower e-commerce site. It aims to allow users to easily order fowers and track their orders. There are system-related requirements in this document. This document contains the user requirements of Büyülü Bahçe. (buyulubahce.com)

Document Conventions

The font is Times.

There is a 6nk space between the title and the text.

There is a 4nk space between texts.

Headings are written in bold font.

Intended Audience and Reading Suggestions

This document is prepared for business owners who sell fowers on an e-commerce site and want to learn about "Büyülü Bahçe".
To learn the system attributes the 2rd section, non-functional requirements, should be checked.

For user stories, refer to 3rd section.

To learn the basic features of the system and how it works, the 4rd section, system feature, should be checked. This section contains functional requirements. For information about the database design refer to 5rd section.

For information about the mock up design refer to 6rd section.

Product Scope

This app allows users to:
-Login with the username and password.
-Select fower from category.
-Search fower.
-Filter fower.
-Add fower to cart.
-Enter payment and address information.
-Create an order.
-Track order.
This app allows to admin to:
-Login with the username and password.
-Add fowers.
-Update fowers.
-Delete fowers.
-Update the status of the order

References

https://jelvix.com/blog/software-requirements-specifcation

http://www.se.rit.edu/~cooperators/SoftwareArchitectureDocumentation.pdf

https://senior.ceng.metu.edu.tr/2016/fxit/SRS.pdf

https://krazytech.com/projects/sample-software-requirements-specifcationsrs-report-airlinedatabase

"IEEE Std 830-1998: IEEE Recommended Practice for Software Requirements Specifcations"

Non Functional Requirements

Responsivenes Requirements

Many users log in to the system at the same time. Response time of the system to users should be short.Page updates should be quick while users review fowers. The system must have fault tolerance. Users should not have any problems when they return when the internet connection is lost. If the system uses 3rd party applications or APIs, it should not lose performance while doing this.

Safety Requirements

Hazards will be identifed to prevent extraordinary failures such as disk crashes, failures of critical software functions. Backups of databases will be made and stored on an hourly basis. In cases where the database is damaged, the copy of the database backed up to the storage will be restored for the archive as a recovery method.

Usability Requirements

The time users spend on the site should be minimized in order to perform the actions they will take when they enter the system. System design should prevent the user from making mistakes.

Security Requirements

Users' personal data such as card information or address information should be kept safe. It is important for increasing the use of the system by users and for its reputation.

User Stories

- As Kerem, I want an easy-to-use interface when ordering fowers so that I can order fowers faster and follow up the order.

- As Hasan, I want to send a gift to my friend's workplace, So that I can celebrate her/his new job.

- As Selin, I love sending fowers to my loved ones on special occasions, I want to easily fnd fowers designed for special occasions and flter fower selections easily.

- As Nazife, I want to send fowers to my grandchildren without difculty by examining diferent fowers and writing notes in order to make my grandchildren who are far away happy.

Functional Specifcations

There are 3 diferent user types in the system. They are user, receiver and admin. They have diferent features. These will be explained in this section.

Login

4.1.1 Description and Priority

Users registered to the system with their email and password can log in to the system. This feature is high priority.

4.1.2 Stimulus/Response Sequences

Click Master Page "Login" button: Login data form will be displayed.

Click "Login" button: Register data will be validated, error messages will be displayed as labels or dialog boxes, successful login will forward the user to user main page.

4.1.3 Functional Requirements

REQ1 - The system should check the accuracy of the information entered by the user.

Selecting product from the category

4.2.1 Description and Priority

Users will be directed to the category they want to select on the master page or in the header of the site. The picture and description of the products will be displayed on the products in the selected category. This feature is high priority.

4.2.2 Stimulus/Response Sequences

Click Master Page "The Category's Name and Picture" button: Products related to the selected category will be displayed.

Click Master Page Header "The Category's Name" button: Products related to the selected category will be displayed.

4.2.3 Functional Requirements

REQ2-The system should classify the fowers by a category.

REQ3-The system should show the categories as names and pictures on the master page.

REQ4-The system should show the categories in the header.

REQ5-The system should direct the user to when the user selects a category, the page with the products in the category user selected.

Selecting product from the best sellers

4.3.1 Description and Priority

Users will be able to see the best-selling products on the home page. This feature is low priority.

4.3.2 Stimulus/Response Sequences

Click "Each Best Seller Product" image: The product detail/buy page of the selected product will be displayed.

4.3.3 Functional Requirements

REQ6- The system should list their best-selling products.

Searching product

4.4.1 Description and Priority

Users will be directed to the page with the relevant products by typing the category or fower name in detail about the product they want to search from the master page.

4.4.2 Stimulus/Response Sequences

Click "Search Bar" and Write Category or Product Name: Products will be listed according to the typed category or product name.

4.4.3 Functional Requirements

REQ7-The system should have the user perform a search by product or category name.

REQ8- The system should show the most relevant products according to the category or product entered by the user.

Filtering product

4.5.1 Description and Priority

Users will be directed to the page with the relevant products by selecting the category or fower name of the product they want to flter from the home page.

4.5.2 Stimulus/Response Sequences

Click "Filter" drop down: Products will be listed according to the product type.

4.5.3 Functional Requirements

REQ9- The system should enable the user to flter by product type.

REQ10- The system should display the appropriate results according to the product type entered by the user.

Adding Product to Cart

4.6.1 Description and Priority

Users will add the product to their cart by typing the delivery date of the product and the note they want to add to the product on the detail page of the product.

4.6.2 Stimulus/Response Sequences

Click "Due date": Select the date to send the product.

Click "Card Message" feld: Write the note to add to the product.

Click "Add to Cart" button: Products will be added to the cart.

4.6.3 Functional Requirements

REQ11-The system should allow the user to go to the detail page of the product.

REQ12-The system should allow the user to select the date on which he wishes to ship the product.

REQ13-The system should allow the user to add a message to the product.

REQ14-The system should allow the user to add the product to their cart.

Creating Product Order/Buying Product

4.7.1 Description and Priority

Users will be directed to the payment page of the product after checking the product in their cart on the cart page. They will purchase the product after entering the buyer information and the card information on the payment page.

4.7.2 Stimulus/Response Sequences

Click spin box: Increase or decrease the product quantity.

Click "Trash Button": Delete the product in the cart.

Click "Pencil Button": Edit products in the cart.

Click text felds: Enter information of the product.

Click "Buy Button": Products will be purchased.

4.7.3 Functional Requirements

REQ15-The system should allow the user to view the items in their cart.

REQ16-The system should allow the user to change the number of items in his cart.

REQ17-The system should allow the user to edit their cart.

REQ18-System should allow user to delete items in cart.

REQ19-The system should allow the user to purchase the items in the cart.

REQ20-System should allow user to add recipient information.

REQ21-The system should allow the user to enter the card information to pay for the product.

Track Order

4.8.1 Description and Priority

The user follows the status of her/his order. This feature is medium priority.

4.8.2 Stimulus/Response Sequences

Click "Track Order" button: write "Order No" and "Email".

Click "Show Status" button: the user sees the status of his/her order.

4.8.3 Functional Requirements

REQ22-The system should allow the user to see the order status with "Order No" and "Email".

Admin Login

4.9.1 Description and Priority

Admin logs into the system with a specifc user name and password and provides access to pages specifc to the admin only. This feature is high priority.

4.9.2 Stimulus/Response Sequences

Click Master Page "Login" button: Login data form will be displayed. Admin flls in the e-mail and password felds.

Click "Login" button: Register data will be validated, error messages will be displayed as labels or dialog boxes, successful login will forward the admin page.

4.9.3 Functional Requirements

REQ23- The system should check the accuracy of the information entered by the admin.

Adding Flowers

4.10.1 Description and Priority

Admin adds a new fower by entering the required properties of the fower into the system. This feature is high priority.

4.10.2 Stimulus/Response Sequences

Click "Add Flower" button: The Flower Add Window opens. Flower Name, Price, Flower Images, Categories, Description, Stock information is flled.

Click "Add" button: If the information is flled in completely and correctly, feedback is received that the fower insertion process was successful. If it is wrong, the places that need to be corrected are indicated.

4.10.3 Functional Requirements

REQ24- The system should allow the admin to enter fower information and add fowers.

Update Flowers

4.11.1 Description and Priority

Admin, updates the fower's properties by entering the properties of the fower registered in the database that need to be updated into the system. This feature is high priority.

4.11.2 Stimulus/Response Sequences

Click "Update" button: Flower Update Window opens. Admin updates required felds from Flower Name, Price, Flower Pictures, Categories, Description, Stock information.

Click "Update" button: If the updated fower information is complete and error-free, the system updates the information of the changed fower. If it is wrong, the places that need to be corrected are indicated.

4.11.3 Functional Requirements

REQ25- The system should allow the admin to enter fower information and update fower

Delete Flowers

4.12.1 Description and Priority

Admin, securely deletes an existing fower from the database record and information about the fower is deleted. This feature is high priority.

4.12.2 Stimulus/Response Sequences

Click "Delete" button: A warning will appear on the screen to confrm the deletion again.

Click "OK" button: The fower to be deleted is safely deleted from the system.

Click "Cancel" button: The deletion process is cancelled. Selected fower is not deleted from the system.

4.12.3 Functional Requirements

REQ26- The system should allow the admin to delete the fower admin selected.

REQ27- The system should not perform the deletion when the admin is not sure about the deletion.

Update Order Status

4.13.1 Description and Priority

Admin updates the status of the orders so that users can check the stage of their order. This feature is high priority.
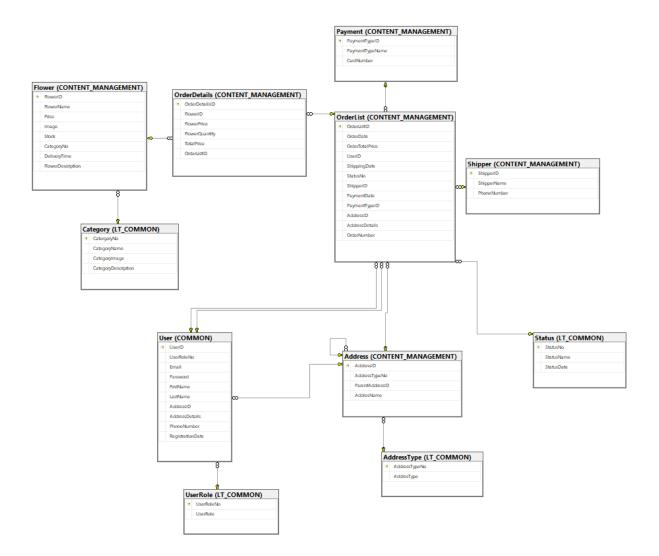
4.13.2 Stimulus/Response Sequences

Click "Update Status" button: The Update Management Window opens. Admin chooses the status of the order at which stage it is.

Click "Save" button: The status update made by the admin is recorded by the system.

4.13.3 Functional Requirements

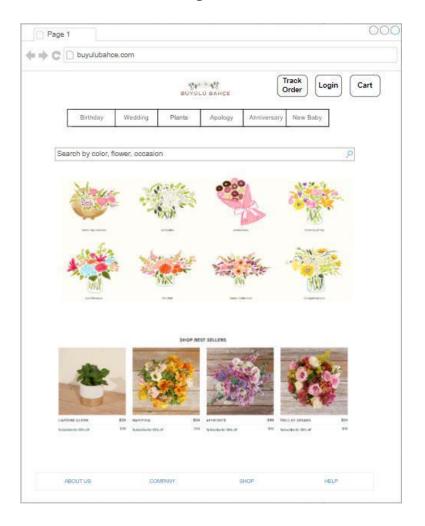REQ26- The system should allow the order status update made by the admin.
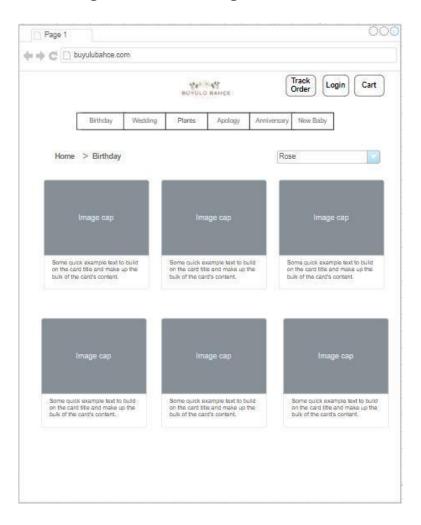
5. Database Design

Payment (CONTENT_MANAGEMENT)
- PaymentTypeID
- PaymentTypeName
- CardNumber

Flower (CONTENT_MANAGEMENT)
- FlowerID
- FlowerName
- Price
- Image
- Stock
- CategoryNo
- DeliveryTime
- FlowerDescription

OrderDetails (CONTENT_MANAGEMENT)
- OrderDetailsID
- FlowerID
- FlowerPrice
- FlowerQuantity
- TotalPrice
- OrderListID

OrderList (CONTENT_MANAGEMENT)
- OrderListID
- OrderDate
- OrderTotalPrice
- UserID
- ShippingDate
- StatusNo
- ShipperID
- PaymentDate
- PaymentTypeID
- AddressID
- AddressDetails
- OrderNumber

Shipper (CONTENT_MANAGEMENT)
- ShipperID
- ShipperName
- PhoneNumber

Category (LT_COMMON)
- CategoryNo
- CategoryName
- CategoryImage
- CategoryDescription

User (COMMON)
- UserID
- UserRoleNo
- Email
- Password
- FirstName
- LastName
- AddressID
- AddressDetails
- PhoneNumber
- RegistrationDate

Address (CONTENT_MANAGEMENT)
- AddressID
- AddressTypeNo
- ParentAddressID
- AddressName

Status (LT_COMMON)
- StatusNo
- StatusName
- StatusDate

AddressType (LT_COMMON)
- AddressTypeNo
- AddressType

UserRole (LT_COMMON)
- UserRoleNo
- UserRole
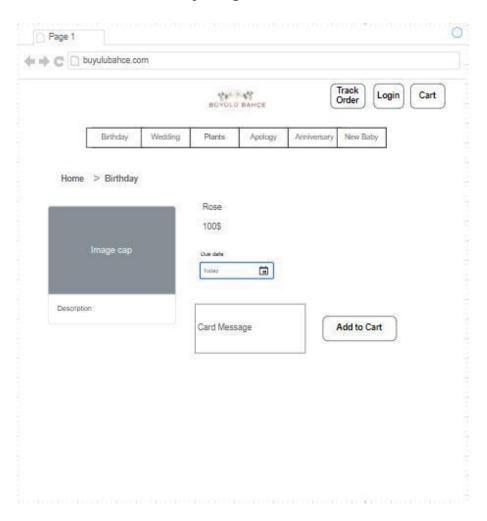
6.Mock Up

6.1 Login

6.2 Master Detail Page

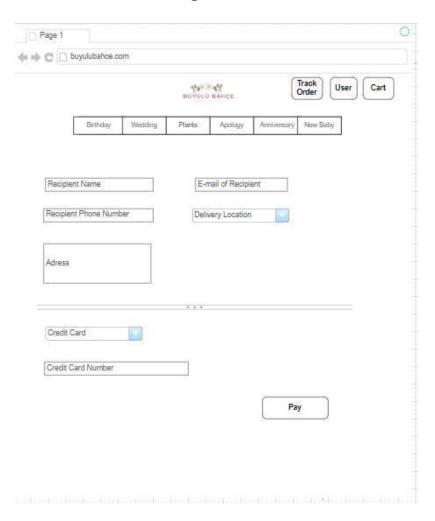## 6.3 Categories Detail Page

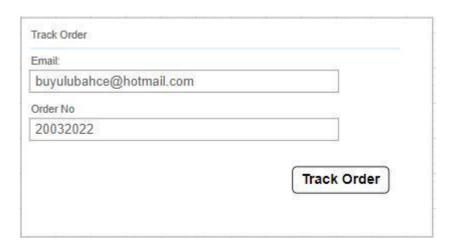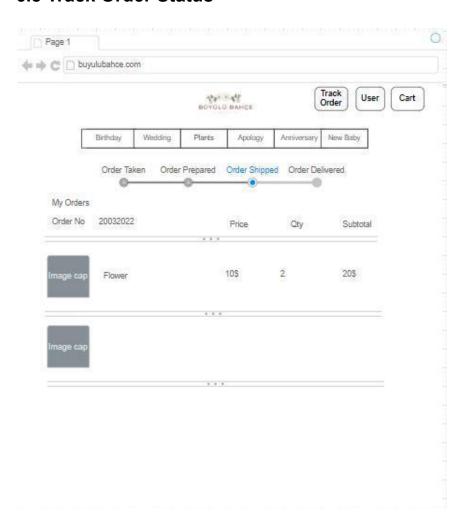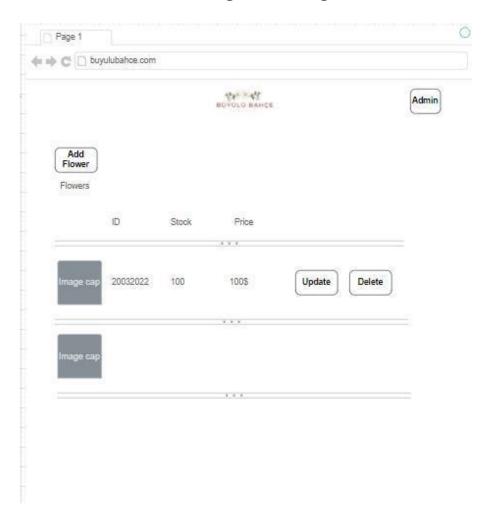## 6.4 Flower Detail/Buy Page

6.5 Cart Page

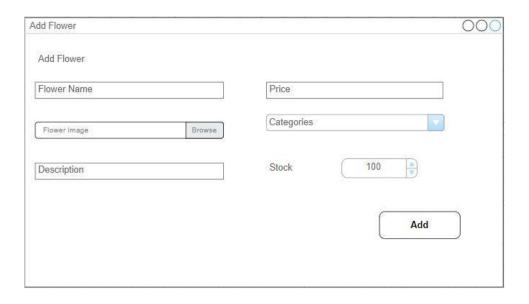# 6.6 Order Details Page

6.7 Track Order Page

6.8 Track Order Status
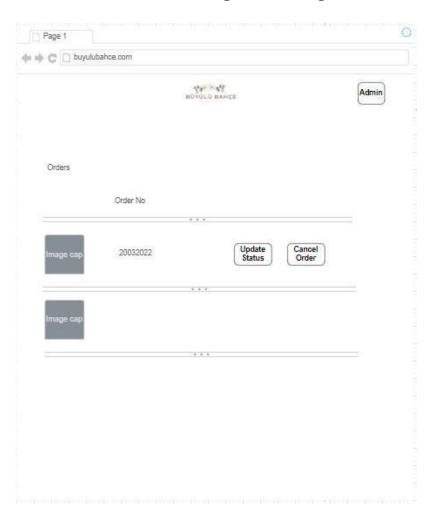
6.9 Admin Flower Management Page

6.10 Add Flower Window

6.11 Update Flower Window

6.12 Admin Order Management Page

6.13 Update Management Window

Update Order ○○◯

Order No   20032022

Status   ○ Order Taken
                ○ Order Prepared
                ● Order Shipped
                ○ Order Deliveried

                        Save