Software Requirements Specification (SRS)

E COMMERCE MOBILE APP

09 – 2022

VERSION 1.0

Prepared By Nour Mohamed Elsherbini

KE COMPANY

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1. Revisions History

Date	Version number	Reason of Change
02/09/2022	0.1	Initial Version

2. Approvals

Role	Name	Signature	Date
Team Leader	Khaled Elbauomy		
Technical Leader	Omar Mohamed		

3. Introduction

3.1 Purpose

A reference to be referred to after agreement regarding the elements of the project, to display all the details and provide all facilities for development team.

3.2 Intended Audience

This document is designed to serve several main elements, such as Development Team, Quality Use Case, and Upcoming Business Analysts.

3.3 Project Overview

- Business core: e – commerce
- Actors: End user (Mobile App) & Admin (Dashboard)
- One vendor
- No delegates
- No shipping companies
- Widgets: Wallet & Vouchers & Visual Search >

3.3 Project Scope

In Scope Functionality

- Platforms
- Mobile application
- Dashboards

- Languages
- Arabic
- English
- Ability to create/delete product from cart
- Search by product name and product photo
- Allows purchase from the app wallet
- Allows shipping from Alexandria, Cairo and Mansoura

Out of Scope Functionality

- One vendor
- No delegates
- No shipping companies

3.4 User Classes

- User
  - Set his location after sign in with his account "extend use case"
  - Change app language
  - View categories
  - View products
  - Marketing
  - Check out & purchase after view cart "including use case"
  - Enter promo codes after payment process "including use case"

    - Manage wallet
    - Manage visual search "act & react"

- Admin
    - Administration and add new admin "including use case"
    - Set product items
    - Contact with user
    - Manage users and add new users "including use case"
    - Edit static pages
    - Fix payments
    - Manage roles and responsibilities
    - Shipping fees

3.5 Design and Implementation Constraints

<platforms, programming languages and design constrains>

3.6 Stakeholders

Name	Role	Contacts
Omar Mohamed	TECHNICAL LEADER	omarmohamed@gmail.com
Ahmed Zein	CEO	ahmedzein@gmail.com
Helal Nagah	UI DESIGNER	Helal21@yahoo.com
Yousef Hassan	DEVELOPER	Yousefhassan33@gmail.com
Khaled Elbauomy	TEAM LEADER	Khaledelbauomy50@gmail.com

4. Functional Requirements

4.1 Use Cases

<table>
<tr><td>Use Case ID</td><td colspan="4">UC-1</td></tr>
<tr><td>Use Case Name</td><td colspan="4">User Sign in</td></tr>
<tr><td>Description</td><td colspan="4">User can Sign in to his account on the system.</td></tr>
<tr><td>Primary Actors</td><td colspan="4">End user</td></tr>
<tr><td>Pre-Conditions</td><td colspan="4">1- Open App</td></tr>
<tr><td>Main Flow</td><td colspan="4">1- User enter his Email address
2- User enter his password
3- Click (Login)</td></tr>
<tr><td rowspan="5">Components</td><td>Name</td><td>Type</td><td>Constrains</td><td>Validations</td></tr>
<tr><td>Email address</td><td>Text Input</td><td>- Accept letters, numbers and special characters.</td><td>Mandatory
Alert message:” please enter your email address correctly”</td></tr>
<tr><td>Password</td><td>Text Input</td><td>- Encrypted (user can show it)
- Accept letters, numbers and special characters</td><td>Mandatory
Alert message:” please enter password correctly”</td></tr>
<tr><td>Sign</td><td>Button</td><td></td><td></td></tr>
<tr><td>Social media</td><td>Icons</td><td></td><td></td></tr>
<tr><td>Post Condition</td><td colspan="4">App open user account</td></tr>
<tr><td>Alternative 1 <User have no account></td><td colspan="4">App shows alert message:
“There is no account with entered data, please enter valid data or sign up and try again”</td></tr>
<tr><td>Alternative 2 <User use social media account to login></td><td colspan="4">App route to social media account to get verification about the user identity and login him to his account</td></tr>
</table>

Use Case ID	UC-2			
Use Case Name	User Set his location			
Description	User can select his city, district, and language.			
Primary Actors	End user			
Pre-Conditions	1- Open App 2- Sign in on the system			
Main Flow	1- User enter his city 2- User enter his district 3- User enter his Language 4- Click (let's go)			
Components	**Name**	**Type**	**Constrains**	**Validations**
	City	Combo box	- Consist of the available cities.	
	District	Combo box	- Consist of the available districts.	
	Language	Combo box	- Consist of the available Languages.	
	Let's go	Button		message:” we 'll be all over Egypt soon"
	Remember my choice	Check box		
Post Condition	App open user interface			

Use Case ID	UC-3			
Use Case Name	Home			
Description	User can see his details and start interact with system.			
Primary Actors	End user			
Pre-Conditions	1- Open App 2- Sign in on the system 3- Set his location			
Main Flow	1- User chooses his gender 2- Click (men) or (woman)			
	Name	**Type**	**Constrains**	**Validations**
	search	Text Input	- Accept letters, numbers.	Mandatory Alert message:" please enter letters and numbers only"
	Details	Hyperlink		
	Cart	Icon		
	Gender	Hyperlink		
	Contact	Hyperlink		
	Visual search	Icon		
	About us	Hyperlink		
	Home	Icon		
Post Condition	App open main categories.			
Alternative 1 < user doesn't choose his gender >	Show men's categories by default			

Use Case ID	UC-4			
Use Case Name	Main Categories			
Description	User can choose his gender and see available categories.			
Primary Actors	End user			
Pre-Conditions	1- Open App 2- Sign in on the system 3- Set his location 4- Choose his gender			
Main Flow	5- User chooses the section he needs 6- Click (See All)			
Components	**Name**	**Type**	**Constrains**	**Validations**
	Sort order	Combo box		
	Load more Products	Button		
	Categories	Buttons		
	Categories	Icon		
Post Condition	App open Product details			
Alternative 1 < User choose to load more products >	App shows more items			
Alternative 2 < User choose to sort products >	The products will be arranged according to the customer's desire			

Use Case ID	UC-5			
Use Case Name	Product Details			
Description	User can see information about products.			
Primary Actors	End user			
Pre-Conditions	1- Open App 2- Sign in on the system 3- Set his location 4- Choose his gender 5- Click on product image			
Main Flow	1- User chooses the size he needs 2- Click (qty) 4- User chooses the quantity he needs 5- Click (add to cart)			
	Name	**Type**	**Constrains**	**Validations**
	Size	Buttons		
	Social media	Icons		
	Size guide	Hyperlink		
	qty	Button		
	Add to cart	Button		
	Reviews	icon		
	Useful & unuseful	icons		
Post Condition	App open user cart			
Alternative 1 < User doesn't choose qty >	The program will choose "1" quantity as default			
Alternative 2 < user doesn't choose size >	App shows alert message: “please choose a particular size”			

Use Case ID	UC-6			
Use Case Name	User Cart			
Description	User can see his cart.			
Primary Actors	End user			
Pre-Conditions	1- Open App 2- Sign in on the system 3- Set his location 4- Choose his gender 5- Click on product image 6- Click (add to cart)			
Main Flow	1- Click (checkout)			
Components	**Name**	**Type**	**Constrains**	**Validations**
	Remove	Button		System removes this item from cart
	Increase & decrease qty	Icons		
	Saved for later	Button		System saves this item for later
	Checkout	Button		
Post Condition	App open user checkout "Delivery"			

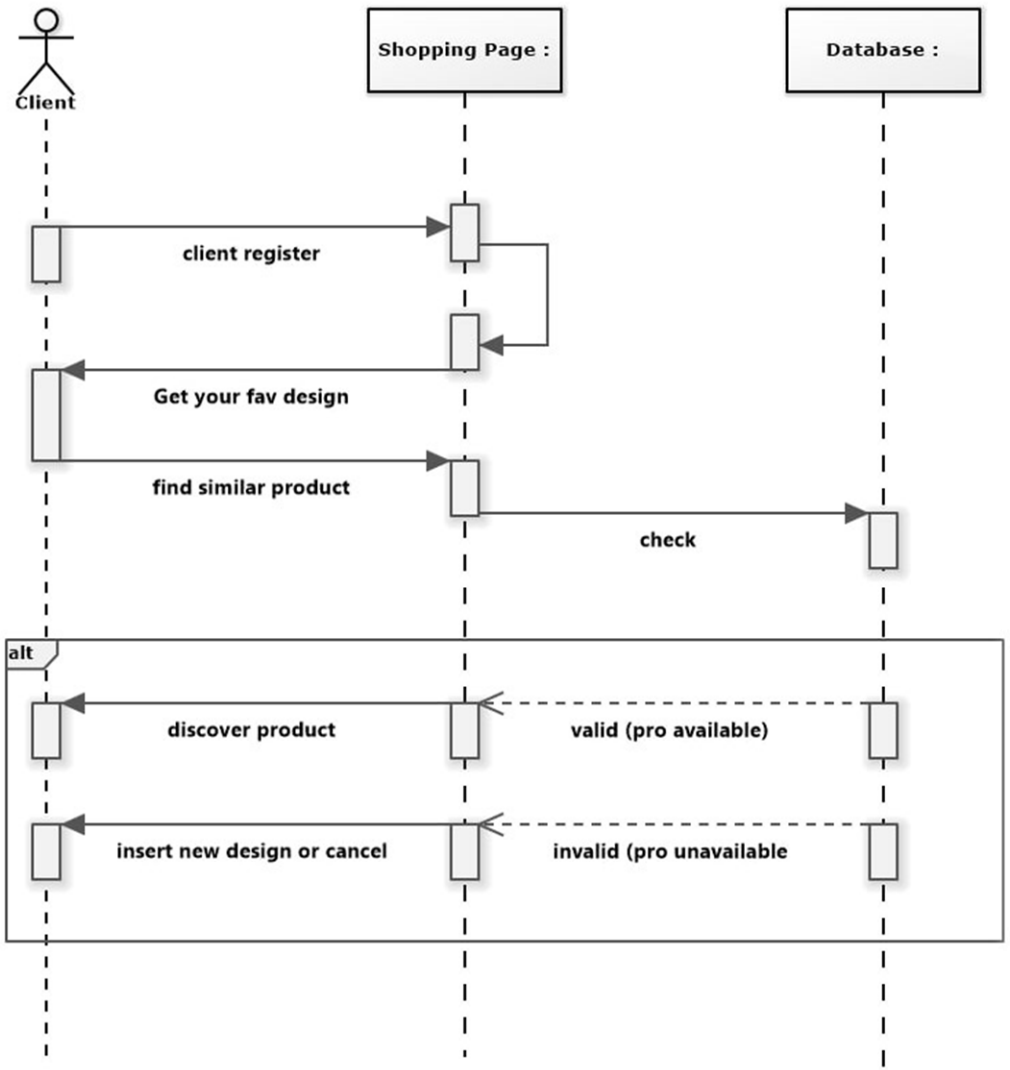
Use Case ID	UC-7			
Use Case Name	Checkout "Delivery"			
Description	User can set his shipping address.			
Primary Actors	End user			
Pre-Conditions	1- Open App 2- Sign in on the system 3- Set his location 4- Choose his gender 5- Click on product image 6- Click (add to cart) 7- Click (checkout)			
Main Flow	6- User enter his shipping address 7- User select a delivery method 8- Click (Next)			
	Name	**Type**	**Constrains**	**Validations**
	Address details	Text Input	- Accept letters, numbers and special characters.	Mandatory Alert message:" please enter your shipping address"
	Delivery methods	Radio button		Mandatory Alert message:" please choose your delivery method"
	Next	Button		
	Change	Hyperlink		
	privacy & policy	Hyperlink		
Post Condition	App open payment process			
Alternative 1 <User click privacy & policy>	App shows static pages with information about privacy			

<table>
<tr><td>Use Case ID</td><td colspan="4">UC-8</td></tr>
<tr><td>Use Case Name</td><td colspan="4">Payment</td></tr>
<tr><td>Description</td><td colspan="4">User can pay for products.</td></tr>
<tr><td>Primary Actors</td><td colspan="4">End user</td></tr>
<tr><td>Secondary Actors</td><td colspan="4">Payment gateway</td></tr>
<tr><td>Pre-Conditions</td><td colspan="4">1- Open App
2- Sign in on the system
3- Set his location
4- Choose his gender
5- Click on product image
6- Click (add to cart)
7- Click (checkout)
8- User enter his shipping address
9- User select a delivery method
10- Click (Next)</td></tr>
<tr><td>Main Flow</td><td colspan="4">1- User select a payment method
2- User enter promocode
3- Click (Submit)</td></tr>
<tr><td rowspan="5">Components</td><td>Name</td><td>Type</td><td>Constrains</td><td>Validations</td></tr>
<tr><td>Payment methods</td><td>Radio button</td><td>- Accept letters, numbers and special characters.</td><td>Mandatory
Alert message:” please choose your payment method”</td></tr>
<tr><td>voucher</td><td>Text Input</td><td>- Accept letters, numbers and special characters.</td><td></td></tr>
<tr><td>Valid</td><td>Icon</td><td></td><td></td></tr>
<tr><td>Submit</td><td>Button</td><td></td><td></td></tr>
<tr><td>Post Condition</td><td colspan="4">1- App open a payment gateway
2- App open the summary</td></tr>
<tr><td>Alternative 1 <Payment not valid or balance =0 ></td><td colspan="4">App shows alert message: “please enter a valid payment”</td></tr>
</table>

Use Case ID	UC-9			
Use Case Name	Summary			
Description	User can see the summary of his order.			
Primary Actors	End user			
Pre-Conditions	1- Open App 2- Sign in on the system 3- Set his location 4- Choose his gender 5- Click on product image 6- Click (add to cart) 7- Click (checkout) 8- User enter his shipping address 9- User select a delivery method 10- Click (Next) 11- User select a payment method 12- Click (Submit)			
Main Flow	1- Click (Confirm order)			
Components	**Name**	**Type**	**Constrains**	**Validations**
	Change	Hyperlinks		
	Confirm order	Button		
	close	Button		
Post Condition	App return to user interface			
Alternative 1 <User >	App shows yes or no message: “You are about to cancel the purchase, are you sure?”			

Use Case ID	UC-10			
Use Case Name	Orders			
Description	User can see his orders.			
Primary Actors	End user			
Pre-Conditions	1- Open App 2- Sign in on the system 3- Set his location 4- Create his orders 5- Click on "account" icon 6- Click (orders)			
Main Flow	9- User choose open orders or closed orders 10- User click on "see details" 11- Click on "close" icon			
Components	**Name**	**Type**	**Constrains**	**Validations**
	See details	hyperlink		
	Close	Icon		
	Open orders	Button		
	Closed orders	Button		
Post Condition	App open user interface			

Use Case ID	UC-11			
Use Case Name	Visual search			
Description	User can Seach with his design.			
Primary Actors	End user			
Secondary actors	Gallery gateway			
Pre-Conditions	1- Open App 2- Sign in on the system 3- Set his location 4- Click on 'camera icon"			
Main Flow	1- Take a photo or upload a picture 2- Take a "new image" or "back "			
Components	**Name**	**Type**	**Constrains**	**Validations**
	Take a photo	Button		
	Upload a pic	Button		
	Sort	Combo box		
	New image	Button		
Post Condition	App find similar product to his design			

Attachment	

Client
Shopping Page :
Database :
client register
Get your fav design
find similar product
check
alt
discover product
valid (pro available)
insert new design or cancel
invalid (pro unavailable

Use Case ID	UC-12			
Use Case Name	Wallet			
Description	User can purchase with his wallet.			
Primary Actors	End user			
Secondary actors	Payment gateway			
Pre-Conditions	1- Open App 2- Sign in on the system 3- Set his location 4- Choose his gender 5- Create his orders 6- Click on "account" icon 7- Click (wallet)			
Main Flow	1- Add funds			
Components	**Name**	**Type**	**Constrains**	**Validations**
	Add funds	Button		
	Change	Hyperlink		
	Auto- refill	Combo box		
Post Condition	App Shows available balance			
Alternative 1 <Payment not valid or balance =0 >	App shows alert message: “please enter a valid payment”			

Use Case ID	UC-13			
Use Case Name	User account			
Description	User can manage his account			
Primary Actors	End user			
Secondary actors	Payment gateway			
Pre-Conditions	1- Open App 2- Sign in on the system 3- Set his location 4- Click on "account" icon			
	Name	**Type**	**Constrains**	**Validations**
	Orders	Button		
	Inbox	Button		
	Vouchers	Button		
	Ratings & reviews	Button		
	Saved items	Button		
	Wallet	Button		
	Details	Button		
	Change address	Button		
	Change password	Button		
	Logout	Button		App shows yes or no message: "are you sure? "
Post Condition	App Shows his account & settings			

Dashboards

Use Case ID	UC-14			
Use Case Name	Dashboard home			
Description	Admin can manage his system.			
Primary Actors	Admin			
Pre-Conditions	1- Open dashboard			
Main Flow	1- Admin manage orders 2- Read reports			
Components	**Name**	**Type**	**Constrains**	**Validations**
	Total orders	Button		
	Total customers	Button		
	Total currency	Button		
	Total items sold	Button		
Post Condition	Admin move from cruds to edit or remove roles			

Use Case ID	UC-15			
Use Case Name	Administration			
Description	Admin can manage admins.			
Primary Actors	Admin			
Pre-Conditions	1- Open dashboard			
Main Flow	2- Admin manage admins 3- Add new admin			
	Name	**Type**	**Constrains**	**Validations**
	Id	spreadsheet		
	Name	spreadsheet		
	Image	spreadsheet		
	Phone	spreadsheet		
	Email	spreadsheet		
	Operation	Icons		
	Add new admin	Button		
Post Condition	Admin move to add new admin			

Use Case ID	UC-16			
Use Case Name	Add new admin			
Description	Admin can add new admin			
Primary Actors	Admin			
Secondary actor	Image gateway			
Pre-Conditions	1- Open dashboard			
Main Flow	1- Enter his name 2- Enter his email 3- Enter his phone 4- Enter his password 5- Upload image 6- Click (save)			
	Name	**Type**	**Constrains**	**Validations**
	Password	Text input	Accept letters, numbers and special characters	Mandatory Alert message:" please enter password correctly"
	Name	Text input	Accept letters	Mandatory Alert message:" please enter Name correctly
	Image	Hyperlink		
	Phone	Text input	Accept numbers	Mandatory Alert message:" please enter phone correctly
	Email	Text input	Accept letters, numbers and special characters.	Mandatory Alert message:" please enter your email address correctly"
	Save	Button		
Post Condition	The administrator saves his data			

Use Case ID	UC-17			
Use Case Name	Roles & permissions			
Description	Admin can manage roles			
Primary Actors	Admin			
Pre-Conditions	1- Open dashboard			
Main Flow	1- Enter role name 2- Click "save'			
	Name	**Type**	**Constrains**	**Validations**
	Role name	Text input	Accept letters, numbers and special characters	Mandatory Alert message:" please enter role name "
	View role	Check box		
	Add role	Check box		
	Edit role	Check box		
	Delete role	Check box		
	Save	Button		
Post Condition	The administrator saves his permissions			

Use Case ID	UC-18			
Use Case Name	users			
Description	Admin can manage users			
Primary Actors	Admin			
Pre-Conditions	1- Open dashboard			
Main Flow	1- Enter user name 2- Enter use email 3- Enter user phone 4- Enter user password 5- Upload user image 6- Click "save"			
	Name	**Type**	**Constrains**	**Validations**
	name	Text input	Accept letters	Mandatory Alert message:” please enter user name "
	Email	Text input	Accept letters, numbers and special characters	Mandatory Alert message:” please enter your email address correctly”
	Phone	Text input	Accept numbers	Mandatory Alert message:” please enter user phone "
	password	Text input	Accept letters, numbers and special characters	- Mandatory - Alert message:” please enter password correctly
	Image	Hyperlink		
	Save	Button		
Post Condition	The administrator saves his data			

Use Case ID	UC-19			
Use Case Name	Categories			
Description	Admin can manage categories			
Primary Actors	Admin			
Pre-Conditions	1- Open dashboard			
Main Flow	1- Enter category name 2- Enter amount 3- Enter ranking in the list 4- Upload category image 5- Inter sub category name 6- Click "save"			
	Name	**Type**	**Constrains**	**Validations**
	name	Text input	Accept letters	Mandatory Alert message:” please enter category name "
	Amount	Text input	Accept numbers	Mandatory Alert message:” please enter amount”
	Ranking in the list	Text input	Accept numbers	Mandatory Alert message:” please enter rank "
	Sub no.	Check box		
	Save	Button		
	Image	Hyperlink		
Post Condition	The administrator saves his category			

Use Case ID	UC-20			
Use Case Name	Items			
Description	Admin can manage items			
Primary Actors	Admin			
Pre-Conditions	1- Open dashboard			
Main Flow	1- Enter item name 2- Upload item image 3- Enter amount 4- Choose the category & sub category 5- Choose item options 6- Click "save			
	Name	**Type**	**Constrains**	**Validations**
	Item name	Text input	Accept letters	Mandatory Alert message:” please enter item name "
	Amount	Text input	Accept numbers	Mandatory Alert message:” please enter amount”
	Options	Check box		
	Category	Check box		
	Sub category	Check box		
	Save	Button		
	Image	Hyperlink		
Post Condition	The administrator saves his item			

Use Case ID	UC-21			
Use Case Name	Payments			
Description	Admin can fix payments			
Primary Actors	Admin			
Pre-Conditions	1- Open dashboard			
Main Flow	1- Enter invoice number 2- Enter user name 3- Enter user phone 4- Choose status & value 5- Choose payment options 6- Click "save			
	Name	**Type**	**Constrains**	**Validations**
	user name	Text input	Accept letters	Mandatory Alert message:” please enter user name"
	Invoice no.	Text input	Accept numbers	Mandatory Alert message:” please enter amount”
	Phone	Text input	Accept numbers	Mandatory Alert message:” please enter phone”
	status	Check box		
	Value	Text input	Accept numbers	
	Save	Button		
	Return by	Check box		
Post Condition	The administrator saves his new payment			

<table>
<tr><td>Use Case ID</td><td colspan="4">UC-22</td></tr>
<tr><td>Use Case Name</td><td colspan="4">Promocodes</td></tr>
<tr><td>Description</td><td colspan="4">Admin can manage promo codes</td></tr>
<tr><td>Primary Actors</td><td colspan="4">Admin</td></tr>
<tr><td>Pre-Conditions</td><td colspan="4">1- Open dashboard</td></tr>
<tr><td>Main Flow</td><td colspan="4">1- Enter code
2- Enter discount percentage
3- Enter start date & expiry date
4- Choose items
5- Choose users
6- Click "save</td></tr>
<tr><td></td><td>Name</td><td>Type</td><td>Constrains</td><td>Validations</td></tr>
<tr><td></td><td>Code</td><td>Text input</td><td>Accept letters, numbers and special characters</td><td>Mandatory
Alert message:” please enter code”</td></tr>
<tr><td></td><td>Discount percentage</td><td>Text input</td><td>Accept numbers</td><td>Mandatory
Alert message:” please enter percentage”</td></tr>
<tr><td></td><td>Items</td><td>Check box</td><td></td><td></td></tr>
<tr><td></td><td>Product no.</td><td>Text input</td><td>Accept numbers</td><td>Mandatory
Alert message:” please enter product no.”</td></tr>
<tr><td></td><td>Save</td><td>Button</td><td></td><td></td></tr>
<tr><td></td><td>Users</td><td>Check box</td><td></td><td></td></tr>
<tr><td>Post Condition</td><td colspan="4">The administrator saves his new code</td></tr>
</table>

Use Case ID	UC-23			
Use Case Name	Shipping fees			
Description	Admin can manage shipping fees			
Primary Actors	Admin			
Pre-Conditions	1- Open dashboard			
Main Flow	1- Admin edit or remove shipping fees 2- Click "save"			
	Name	**Type**	**Constrains**	**Validations**
	city	spreadsheet		
	District	spreadsheet		
	Cost	spreadsheet		
	Operations	Icons		
	Save	Button		
Post Condition	The administrator saves his new code			

Use Case ID	UC-24			
Use Case Name	Static pages			
Description	Admin can manage static pages			
Primary Actors	Admin			
Pre-Conditions	1- Open dashboard			
Main Flow	1- Admin edit the script 2- Click "save"			
	Name	**Type**	**Constrains**	**Validations**
	Page name	Spreadsheet		
	Id	Spreadsheet		
	operations	Icons		
	Edit bar	Icons		
Post Condition	The administrator saves new static pages			

5. Non-Functional Requirements

ID	Requirements
NFR-001	User can view his wallet
NFR-002	User can add funds to his wallet
NFR-003	User can auto-refill his wallet
NFR-004	User can use advanced visual search