

Detail Design

Registration Screen

Ver 1.0

Created by	Trac Duc Anh Luong	Created date	11/03/2024
Updated by		Updated date	

Overview

Screen Layout

The screenshot shows a web browser window with the URL `personal-1gh7uatw.outsystemscloud.com/EcommerceWebsite/Register`. The page title is "Register". The form contains the following elements:

- 1: Profile picture placeholder with a "Change" link below it.
- 2: First Name input field (required).
- 3: Email input field (required).
- 4: Mobile Phone input field (required).
- 5: Password input field (required).
- 6: Eye icon to toggle password visibility.
- 7: Last Name input field (required).
- 8: Address input field (required).
- 9: Date of birth input field (required).
- 10: Confirm Password input field (required).
- 11: Eye icon to toggle confirm password visibility.
- 12: Link "Already have an account? Log in here".
- 13: Register button.
- 14: Clear button.

Figure 1: Default screen

No.	Item Name	Item Type	Input Length	Data Type	DB Table	Field
1	Picture	Input	-	Binary	UserAdditional	Picture
2	First Name	Input	50	Text	UserAdditional	FirstName
3	Email	Input	250	Email	User	Email
4	Mobile Phone	Input	20	Mobile Phone	User	MobilePhone
5	Password	Input	256	Password	User	Password
6	Show password	Icon	-	-	-	-
7	Last Name	Input	50	Text	UserAdditional	LastName
8	Address	Input	200	Text	UserAddress	Address
9	Date of birth	Input	-	Date	UserAdditional	BirthDate

10	Confirm Password	Input	256	Password	-	-
11	Show confirm password	Icon	-	-	-	-
12	Login	Link	-	-	-	-
13	Register	Button	-	-	-	-
14	Clear	Button	-	-	-	-

Figure 2: Screen items

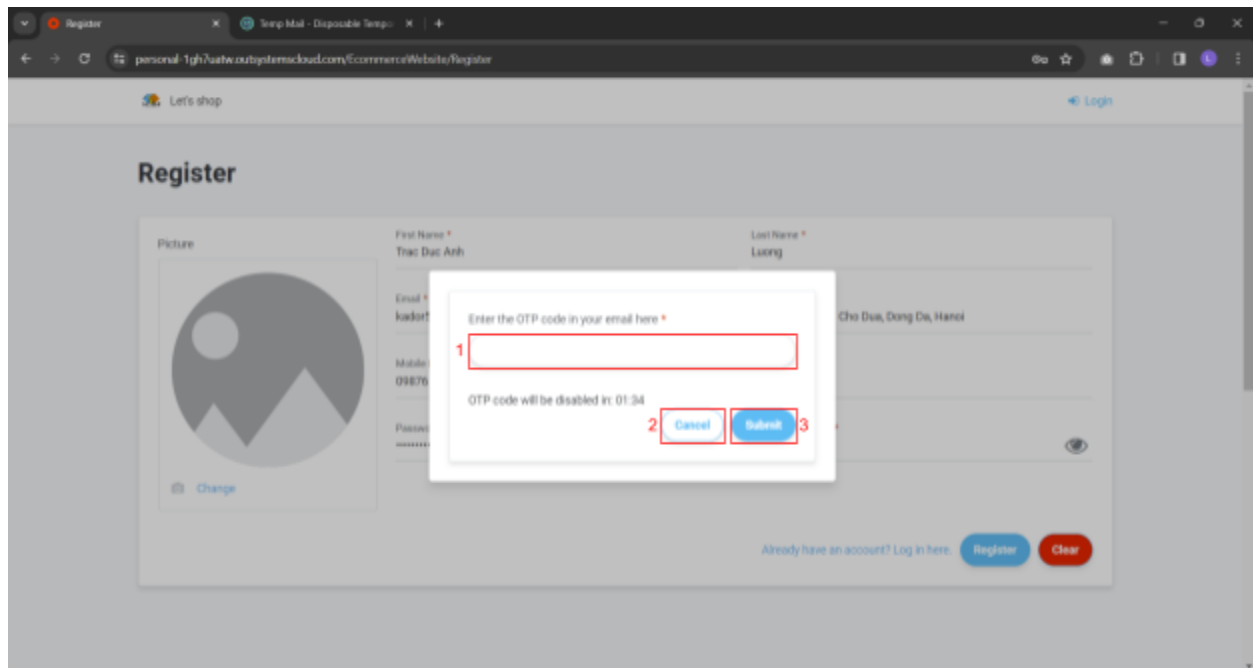


Figure 3: Enter OTP popup

No.	Item Name	Item Type	Input Length	Data Type	DB Table	Field
1	Email	Input	250	Email	User	Email
2	Cancel	Button	-	-	-	-
3	Submit	Button	-	-	-	-

Figure 4: Popup items

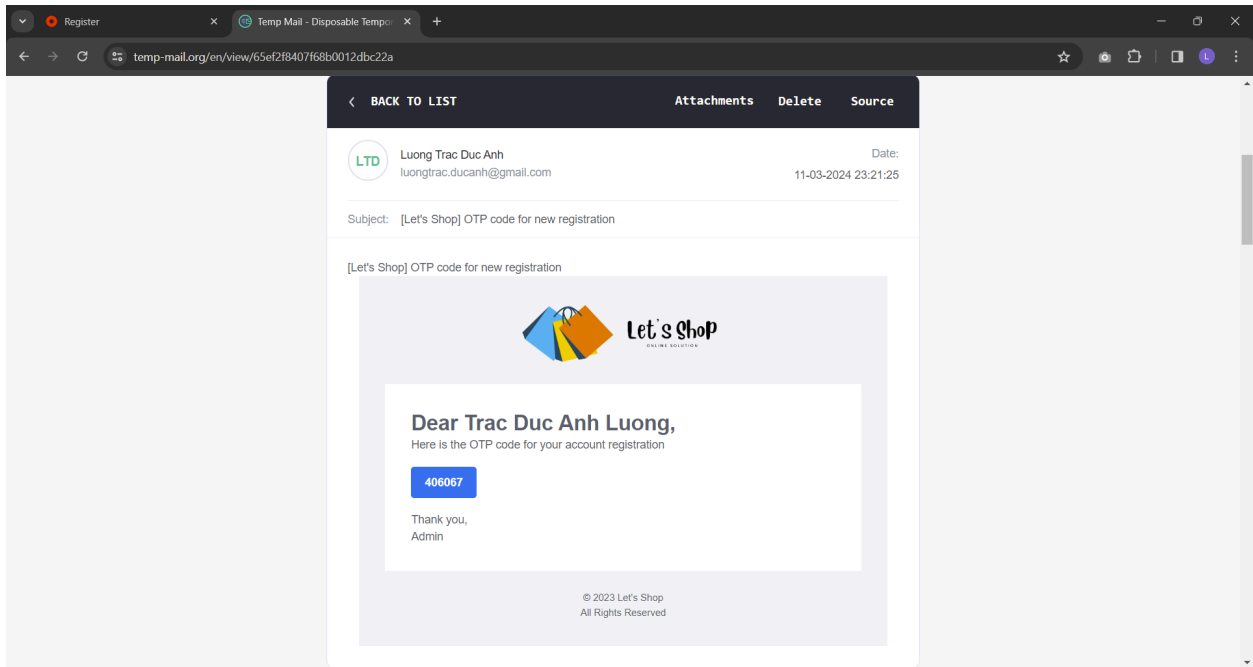


Figure 5: OTP sent

Processing Detail

1. Initial display

Item Name	Status
Email	Empty
Password	Empty
Remember me	Uncheck

Figure 5: Screen initial display

Item Name	Status
Email	Empty

Figure 6: Popup initial display

2. Processing flow

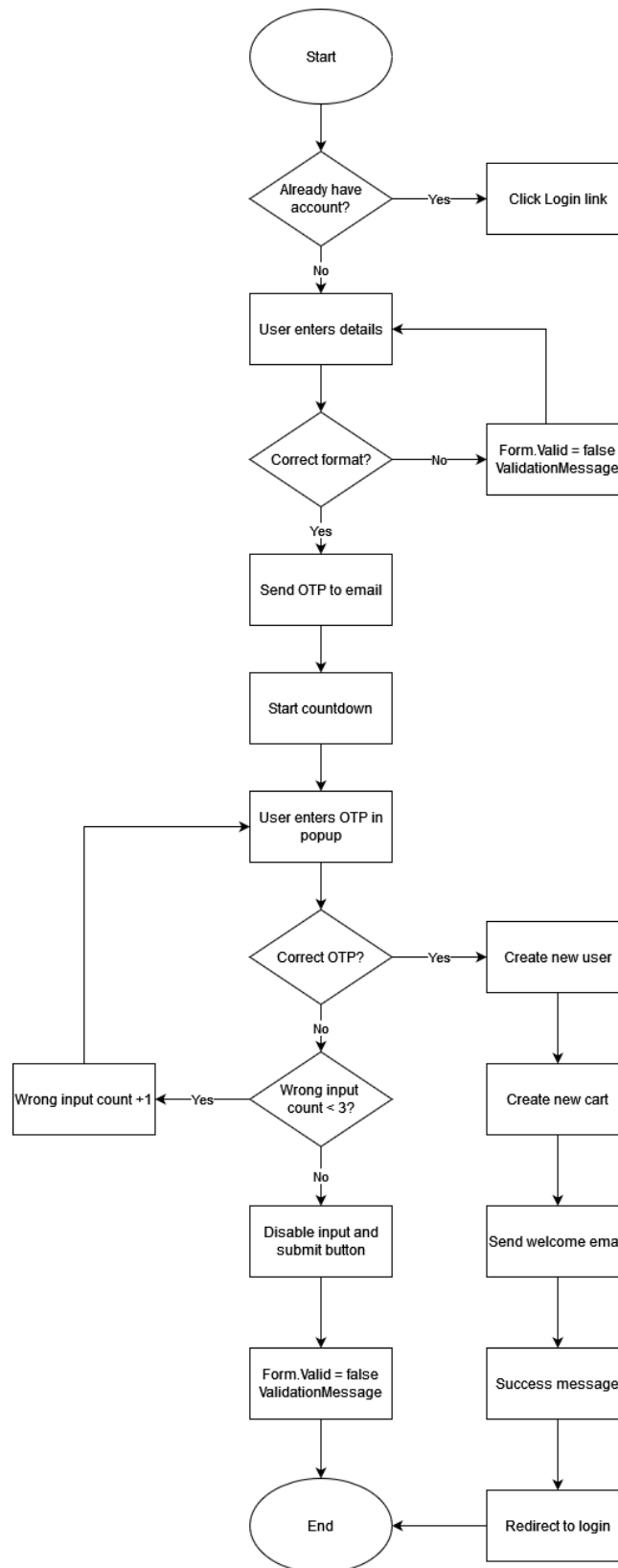


Figure 7: Processing flow

3. If the user already has an account, click the login link to redirect to the login screen.
4. The user enters all required fields marked with red asterisks.
5. When the user clicks “Register”, check all data filled in the form with the following rules:
 - a. Check if mail exists by querying the User table.
 - b. Validate phone number using a Vietnamese phone regex.
 - c. Validate password with required attributes:
 - i. Length ≥ 8
 - ii. 1 special character () required: `/[!@#$%^&*()_+\\-=\\[\\]{};':"\\|,.<>\\/?]+/`
 - iii. 1 uppercase character required
 - iv. 1 lowercase character required
 - v. 1 number required
 - d. Validate birthdate
 - i. The user is ≥ 18 years old
 - ii. Birthdate cannot be in the past
 - e. Confirm password must match
6. Based on the output of process 5.
 - a. If all validations passed, proceed the next step
 - b. If 1 or more requirement is not fulfilled, give the accordion validation message and highlight the incorrect input in red
 - i. "Email already exists"
 - ii. "Invalid phone number"
 - iii. "You have to be 18 or older to register"
 - iv. "Birthdate cannot be in the future"
 - v. "Password does not meet requirement"
 - vi. "Confirm password does not match"
7. Send the OTP and start 2-minute countdown
 - a. Insert the code to the OTP table using the function: `GeneratePassword(6, False)`
 - b. Send the OTP to user email
 - c. Popup to enter OTP with countdown timer
8. If OTP is correct, proceed to next step
 - a. If OTP is incorrect, increment the `WrongInputCount`
 - b. `WrongInputCount > 3` will disable the submit button and expires the OTP code
9. Create records in the User, UserAdditional, and Cart tables.