Online Grocery-Shopping Web Application

Use-Case Model

Version 1.0

Revision History

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| --- | --- | --- | --- |
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| 16/03/2023 | 1.0 | first use-case model document | Antonescu Maria-Cristina |
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# Use-Cases Identification

Use case 1: Register as a new user

Level: Summary level

Primary actor: Regular user

Main success scenario:

User navigates to the registration page and clicks the "register" button.

User enters their personal information, such as name, email address, and password.

System validates the information and creates a new user account.

System redirects the user to the homepage.

Extensions:

If the user enters invalid information, the system displays an error message and prompts the user to correct the information.

If the user's email address is already registered, the system displays an error message and prompts the user to log in instead.

Use case 2: Add a new product to the system

Level: Sub-function

Primary actor: Admin

Main success scenario:

Admin navigates to the product management page and clicks the "add new product" button.

Admin enters the product details, such as name, description, price, and image.

System validates the information and adds the new product to the system.

System displays a confirmation message to the admin.

Extensions:

If the admin enters incomplete or invalid information, the system displays an error message and prompts the admin to correct the information.

If the admin tries to add a product that already exists in the system, the system displays an error message and prompts the admin to update the existing product instead.

Use case 3: Place an order

Level: User-goal level

Primary actor: Regular user

Main success scenario:

User logs in to their account and navigates to the shopping page.

User selects the desired products and adds them to the shopping cart.

User proceeds to checkout and enters the delivery address and payment information.

System validates the information and confirms the order.

System sends a confirmation email to the user.

Extensions:

If the user tries to place an order with an invalid address or payment information, the system displays an error message and prompts the user to correct the information.

If any of the selected products are out of stock, the system displays a notification message and prompts the user to remove the out-of-stock items from the cart.

# UML Use-Case Diagrams

