



Project and Professionalism (6CS007)

Milestone 3

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Artefact Design

1. Functional Decomposition Diagram (FDD)

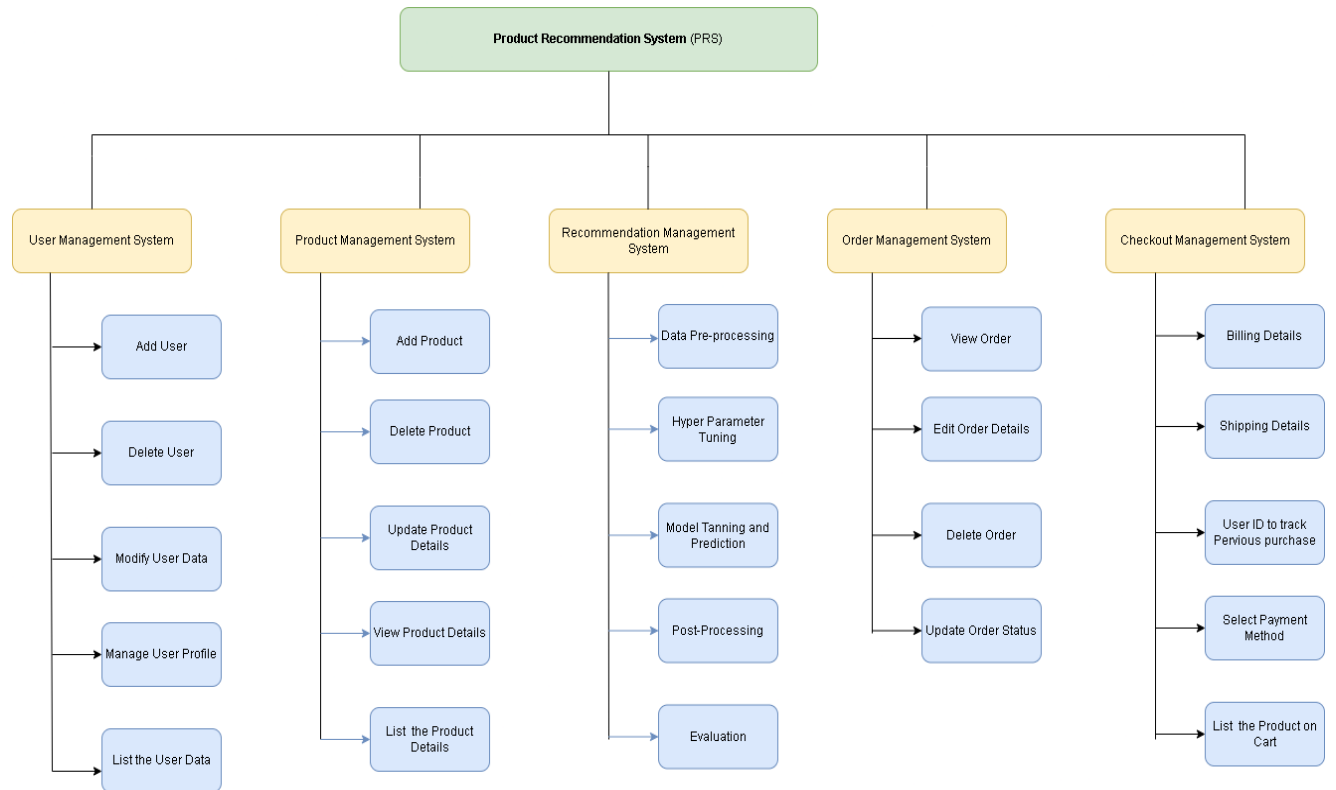


Figure 1 Functional Decomposition Diagram

2. SRS Table

2.1.User Management System (UM)

Req.Code	Req.Desc	MoSCoW Prioritization
UM-F-1.0	Users should be able to register themselves in the system	Must Have
UM-NF-1.1	User's information should be encrypted while transmitting to the server.	Must Have
UM-NF-1.2	User's registration password must be above eight length and must contain alphabet and number.	Must Have
UM-NF-1.3	If user's email and username already exists in the database, an error message should be displayed.	Must Have
UM-NF-1.5	New user should not be able to login with the existing user's information.	Must Have
UM-F-1.6	Admin should have option to delete a user profile.	Must Have
UM-NF-1.7	There should be delete option in every user's information list through which user can delete user from the website.	Must Have
UM-F-.17	Admin should have option to ban a user profile.	Must Have
UM-NF-1.8	There should be ban option in every user's information list through which user can ban user from the website.	Must Have
UM-F-1.9	All the users should be able to login and off the website.	Must Have
UM-F-2.0	All the users should be able to reset/ change their password.	Must Have

2.2.Product Management System (PM)

Req.Code	Req.Desc	Use Case	MoSCoW Prioritization
PM-F-1.0	All the products and category should be displayed to the user.	View Product	Must Have
PM-NF-1.1	Product should be displayed in home page of the website		Should Have
PM-NF-1.2	All the products should be displayed in systematic order.		Should Have
PM-NF-1.3	Special products that have been recommended by model should be displayed in the homepage.		Could Have
PM-NF-1.4	All the category should be managed and displayed in a systematic way.		Must Have
PM-F.1.5	Search bar should be fully functional.	Search Product	Must Have
PM-NF-1.6	User should be able to search for products with the name of the product.		Must Have
PM-NF-1.7	User should be able to find particular product through search bar if it is available.		Must Have
PM-F-1.8	Admin should able to add new product to the website	Create Product	Must Have
PM-NF-2.0	Admin should have add option to add a new product. When clicked, new page should be displayed through admin can add a new product.		Must Have
PM-NF-2.1	Admin should be able to add product's images, description, price and other information while adding new product to the website.		Must Have

PM-F-2.2	Admin should be able to update product.	Update Product	Must Have
PM-NF-2.3	Admin should have update option to update a product. When clicked, new page should be displayed through admin can update a product.		Could Have
PM-NF-2.4	Admin should be able to update product's images, description, price and other information while adding new product to the website.		Could Have
PM-F-2.5	Admin should be able to delete a product.	Delete Product	Must Have
PM-NF-2.6	Admin should have delete option to update a product. When clicked admin should be able to delete a product.		Must Have
PM-NF-2.7	Delete product should not be visible in both database and website.		Must Have

2.3.Order Management System (OM)

Req.Code	Req.Desc	Use Case	MoSCoW Prioritization
OM-F-1.1	All the product selected by the user must appear on the cart page with total amount and quantity of product		Must Have
OM-F-1.2	The product on the cart page will be able to remove form the page when the user change their mind		Should Have
OM-F-1.3	The cart must provide details of the product purchased		Could Have

OM-NF-2.1	The user must have at least an item for the checkout		Must Have
OM-NF-2.2	The product order cannot exceed the order quantity more than the available quantity.		Could Have

3. Class Diagram

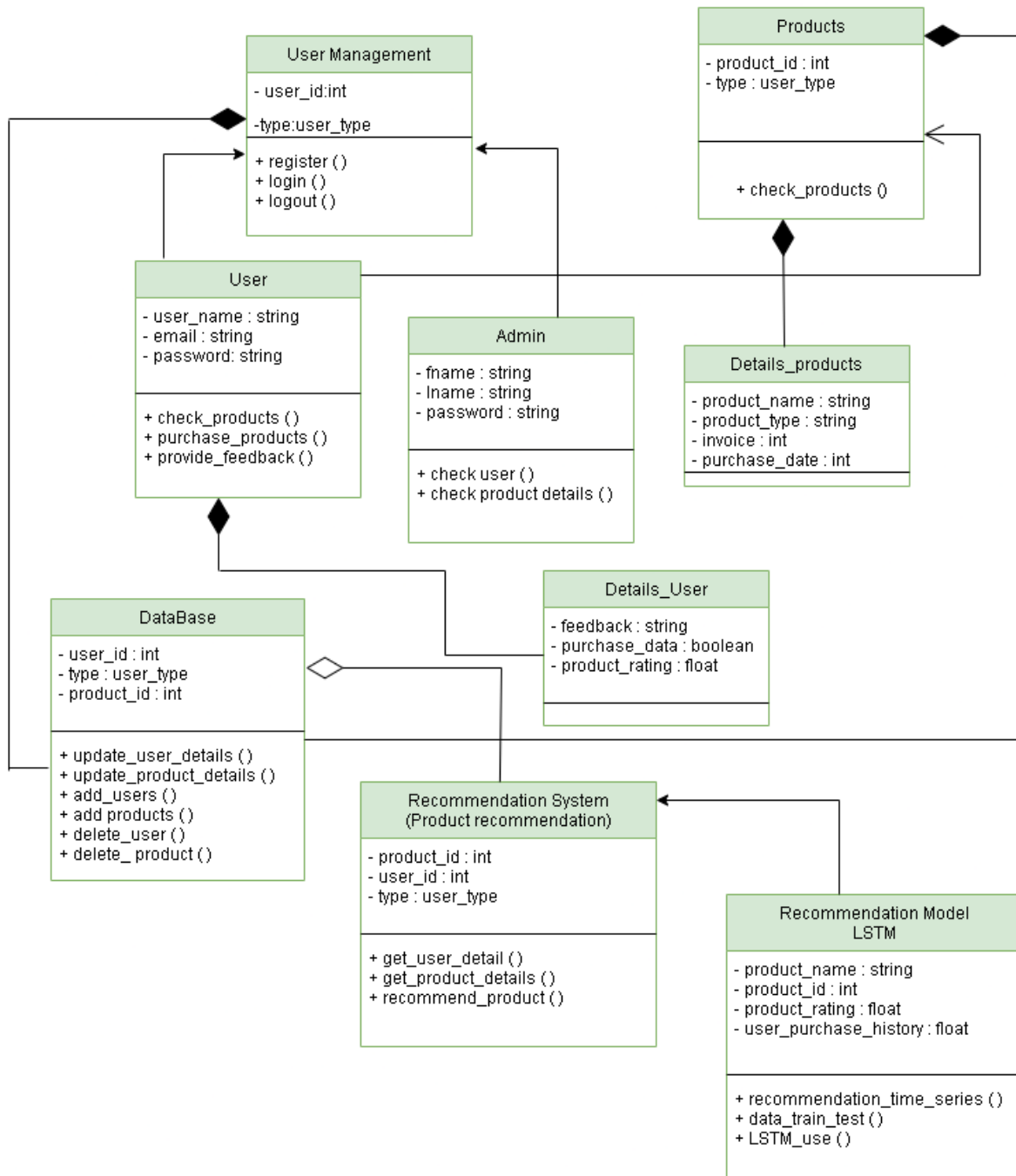


Figure 2 System class diagram

4. Entity Relationship Diagram

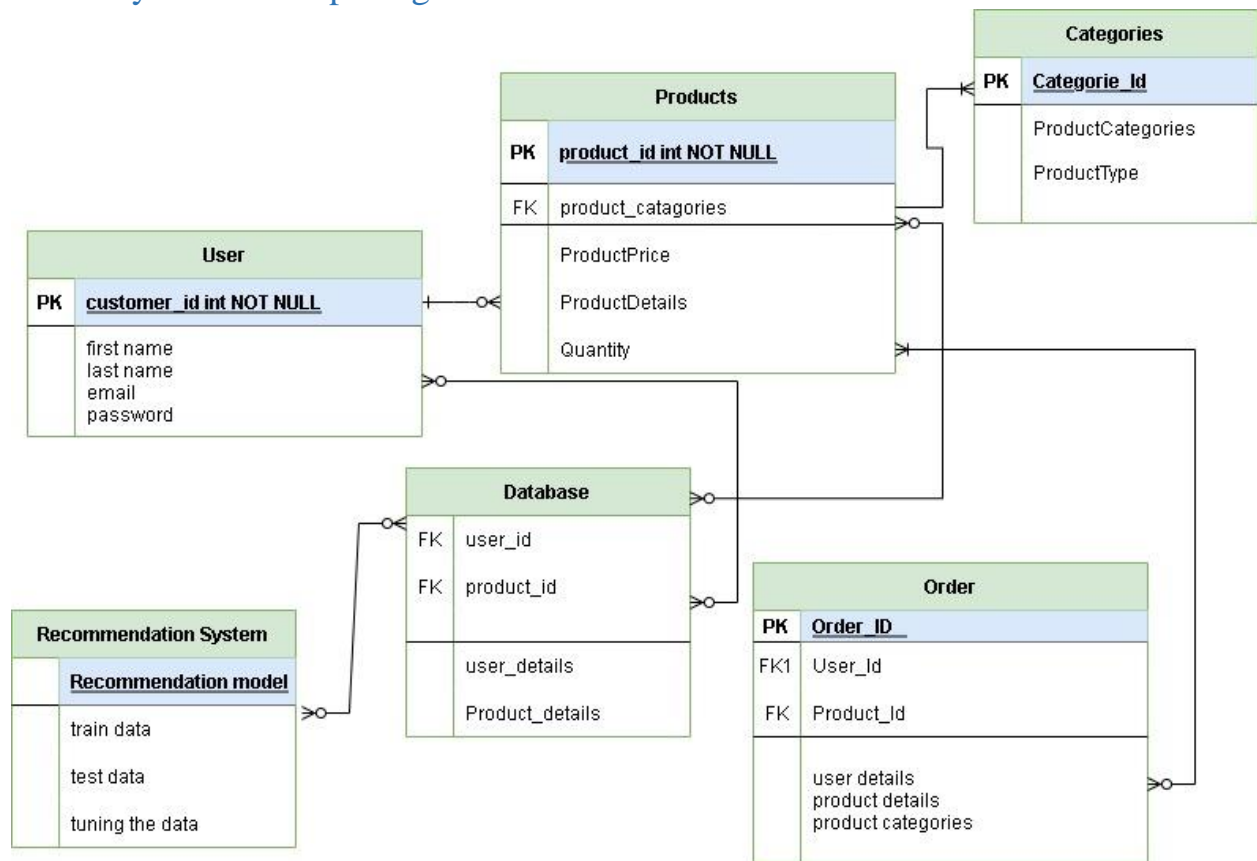


Figure 3 Entity Relation Diagram

5. Use Case Diagram

5.1. User Management (UM)

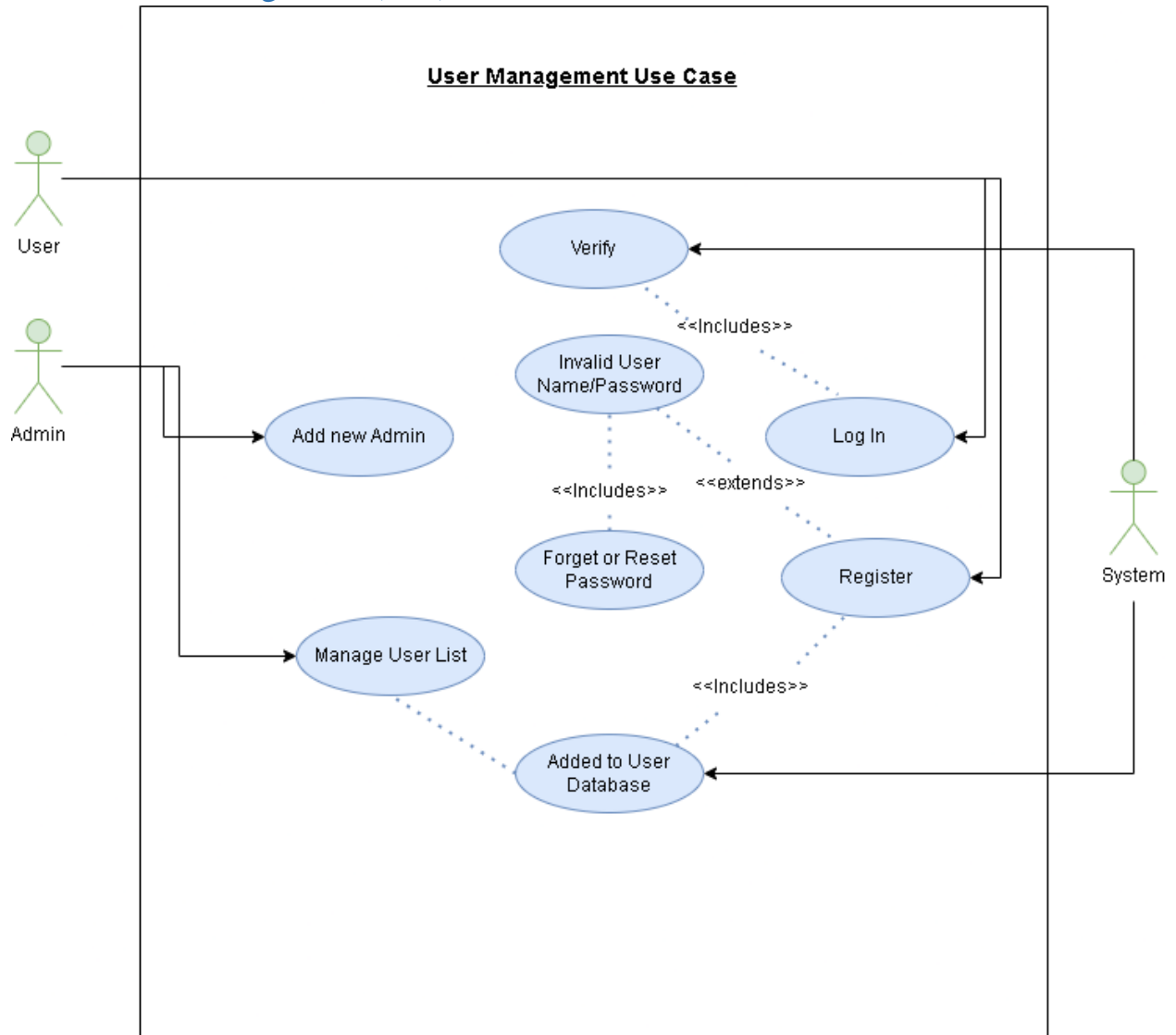


Figure 4 User Management Use Case

5.2.Product Management (PM)

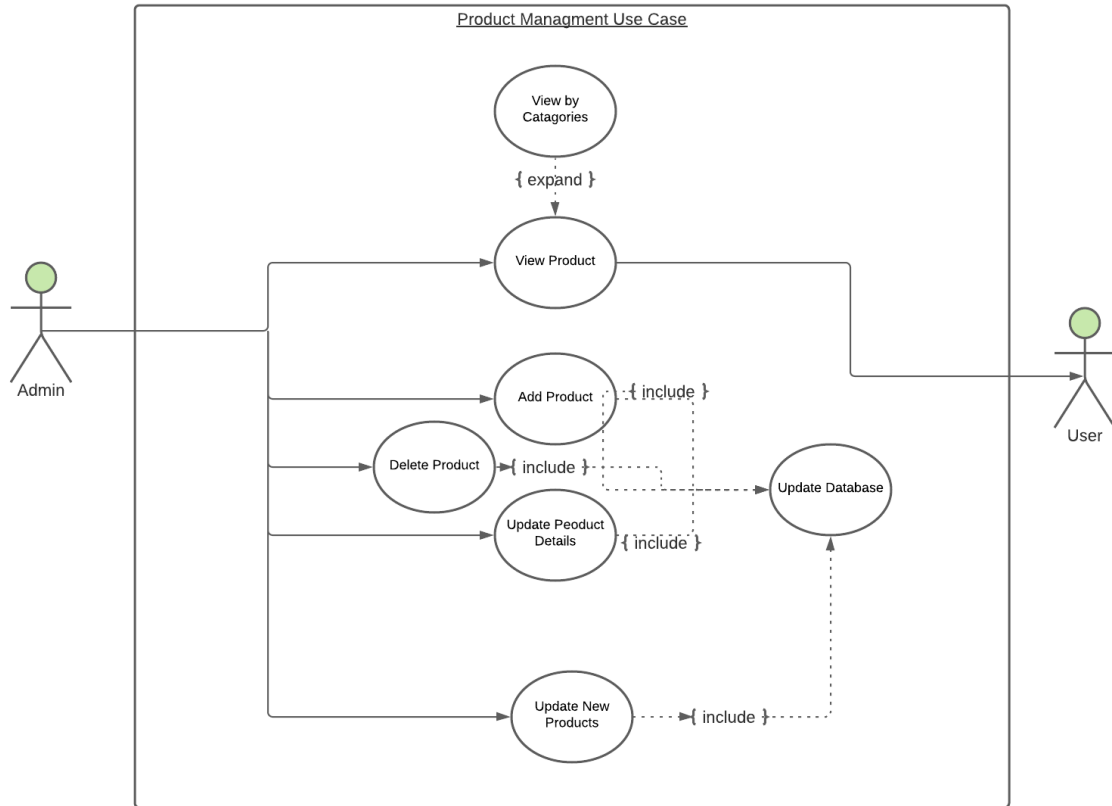


Figure 5 Product Management Use Case

5.3.Order Management (OM)

Order Management Use Case

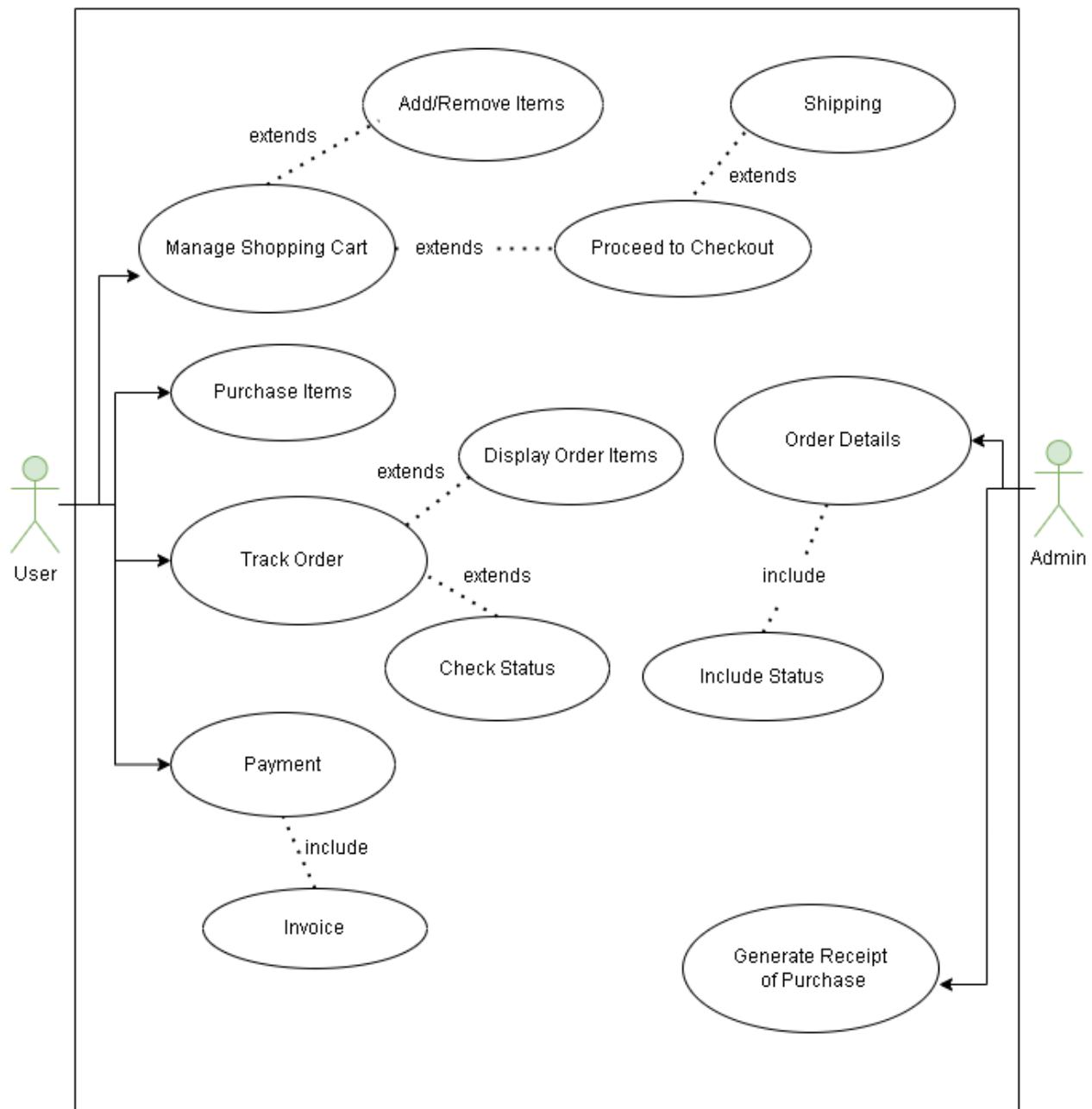


Figure 6 Order Management Use case

5.4.Recommendation Management (RM)

Recommendation System Use Case

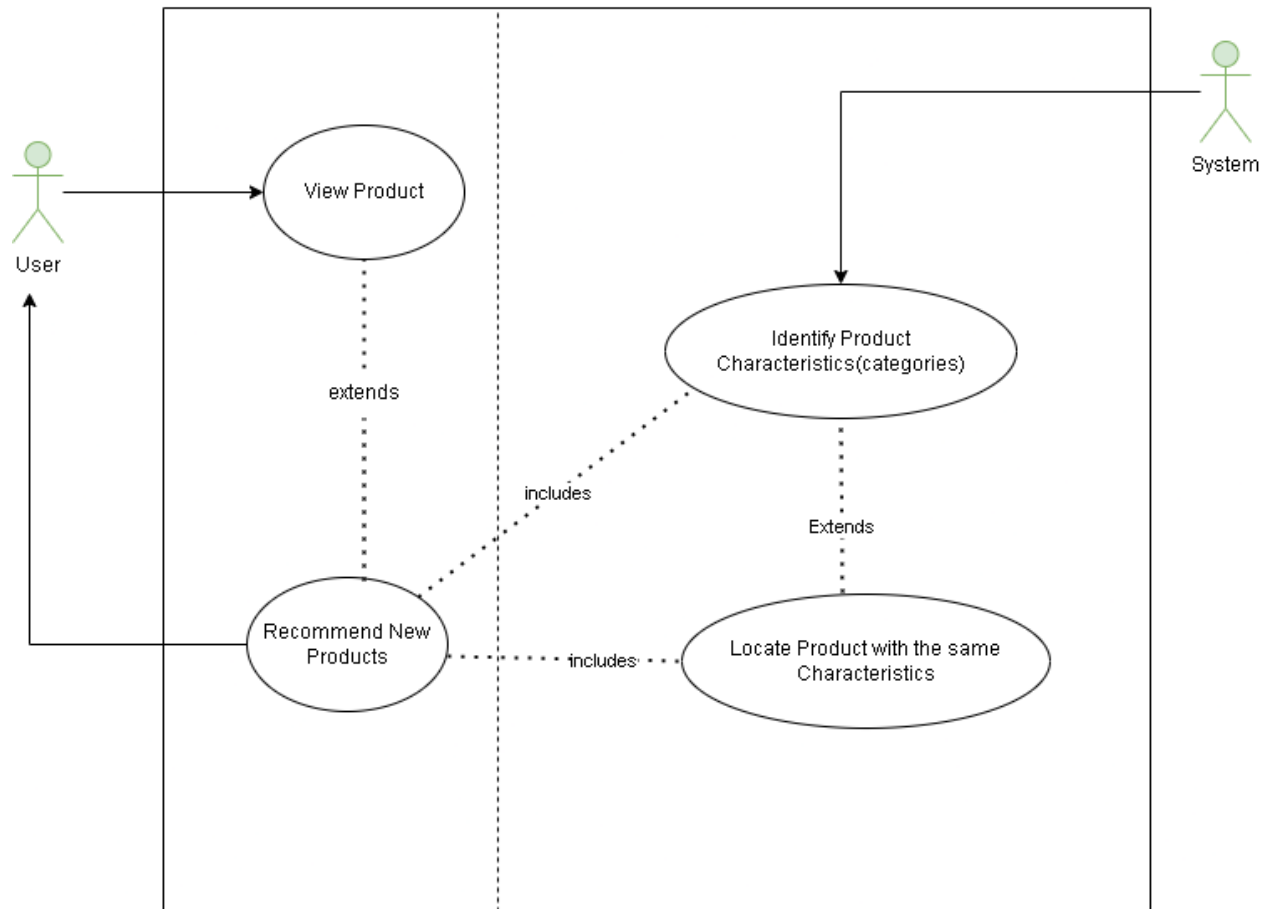


Figure 7 Recommendation Management Use case

6. System Functionality with Activity and Sequence diagram

6.1.Registration system

6.1.1. Sequence Diagram

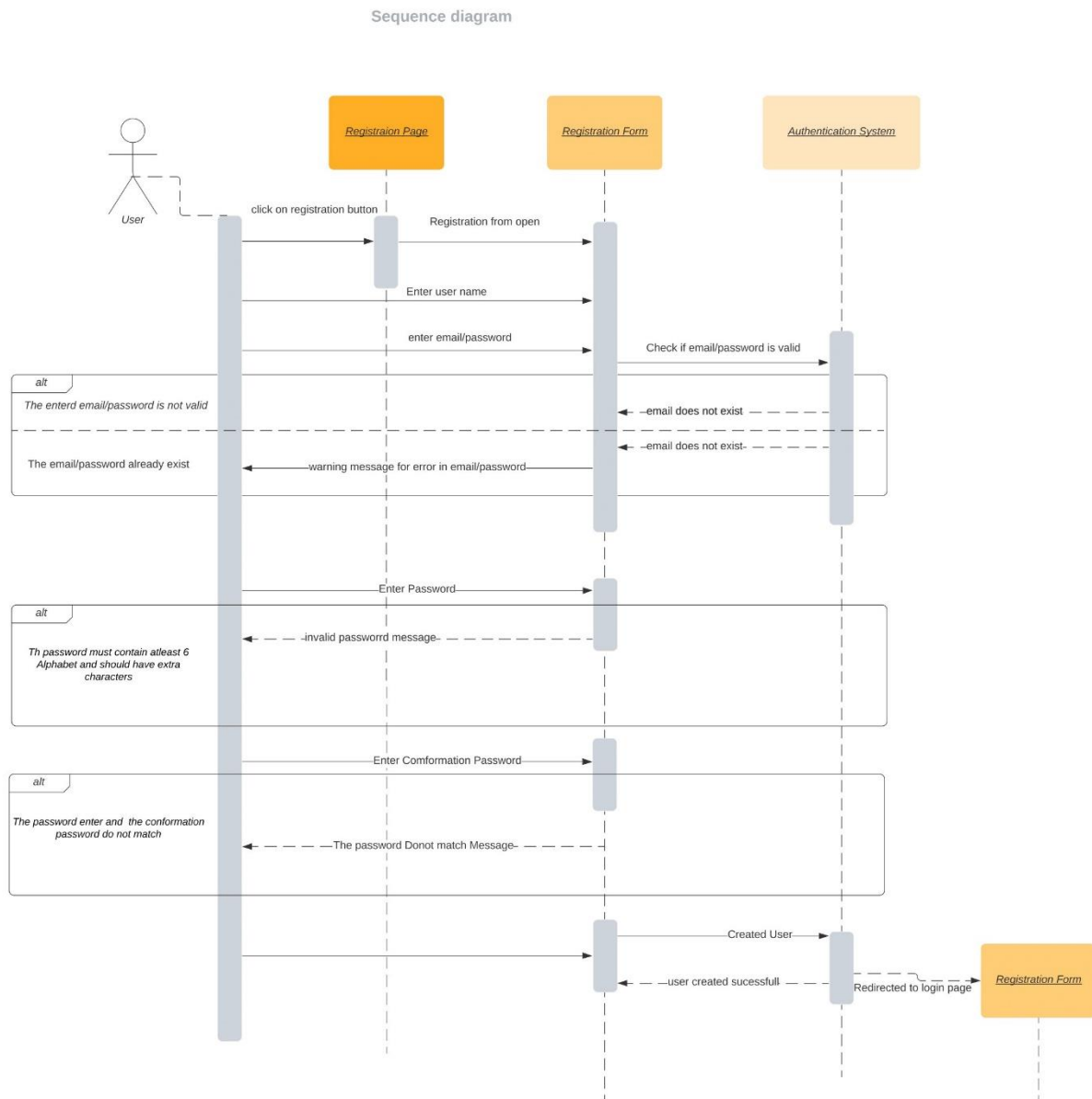


Figure 8 Registration Sequence

6.1.2. Activity Diagram

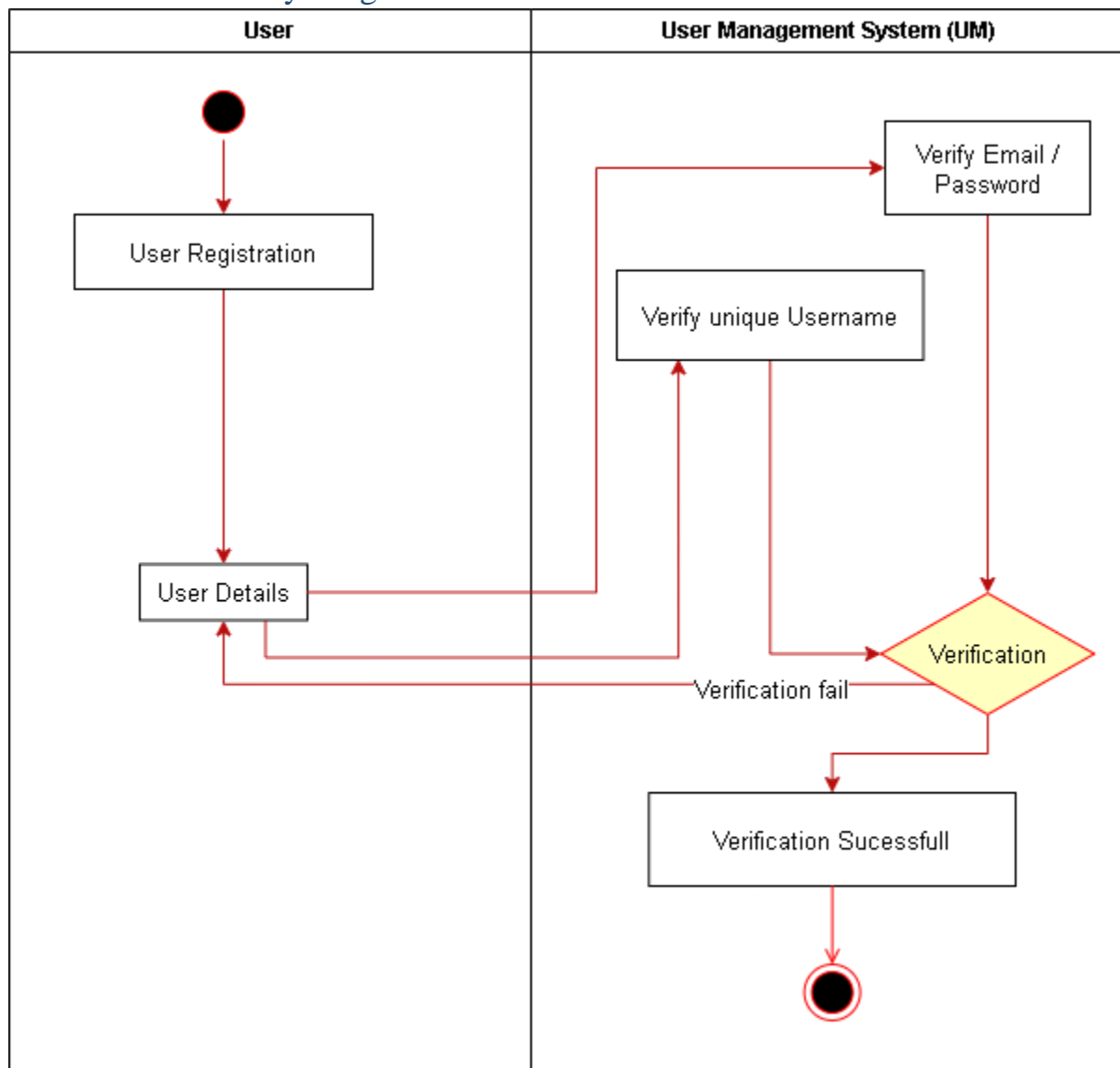


Figure 9 Registration Activity

6.2.Login

6.2.1. Sequence Diagram

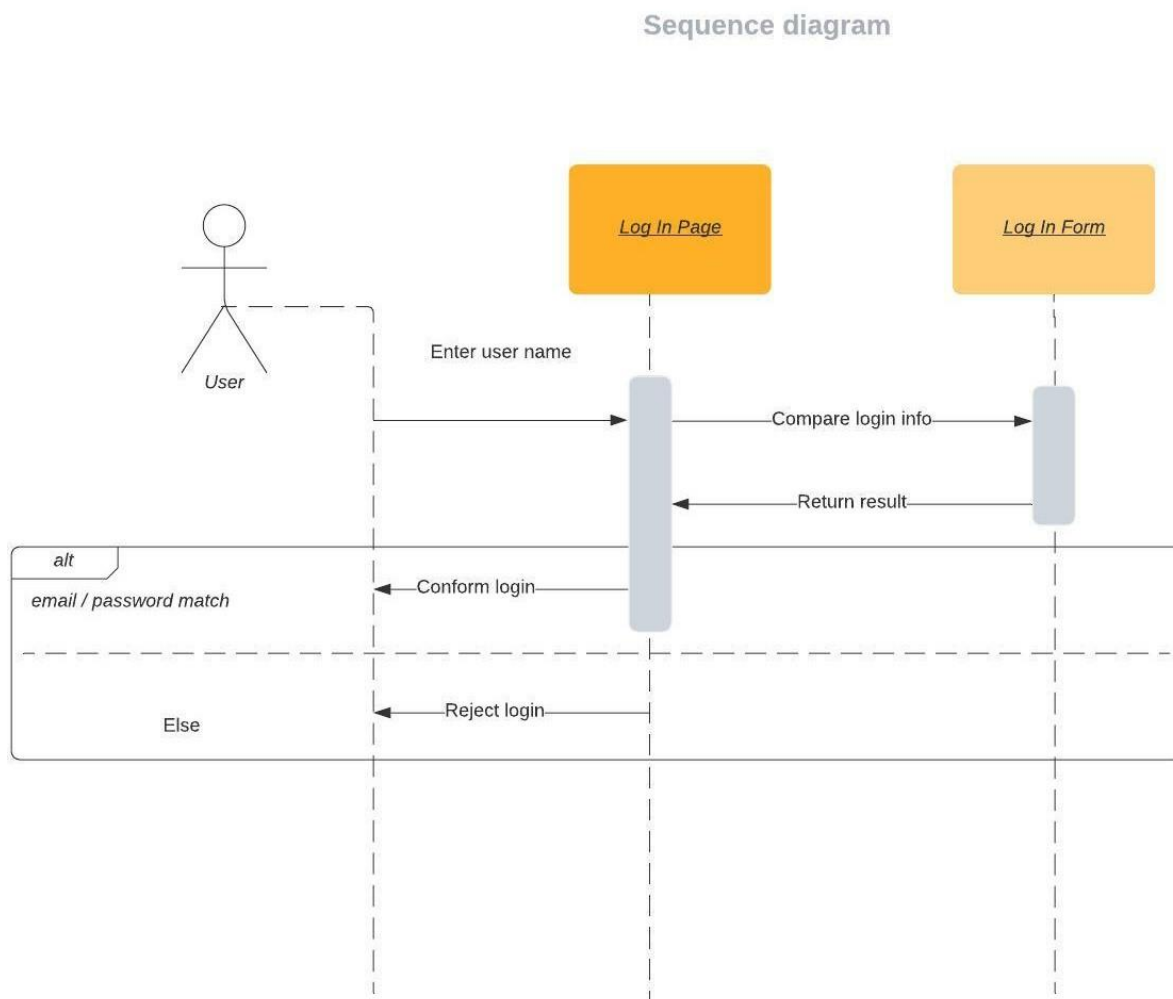


Figure 10 Log in sequence diagram

6.2.2. Activity Diagram

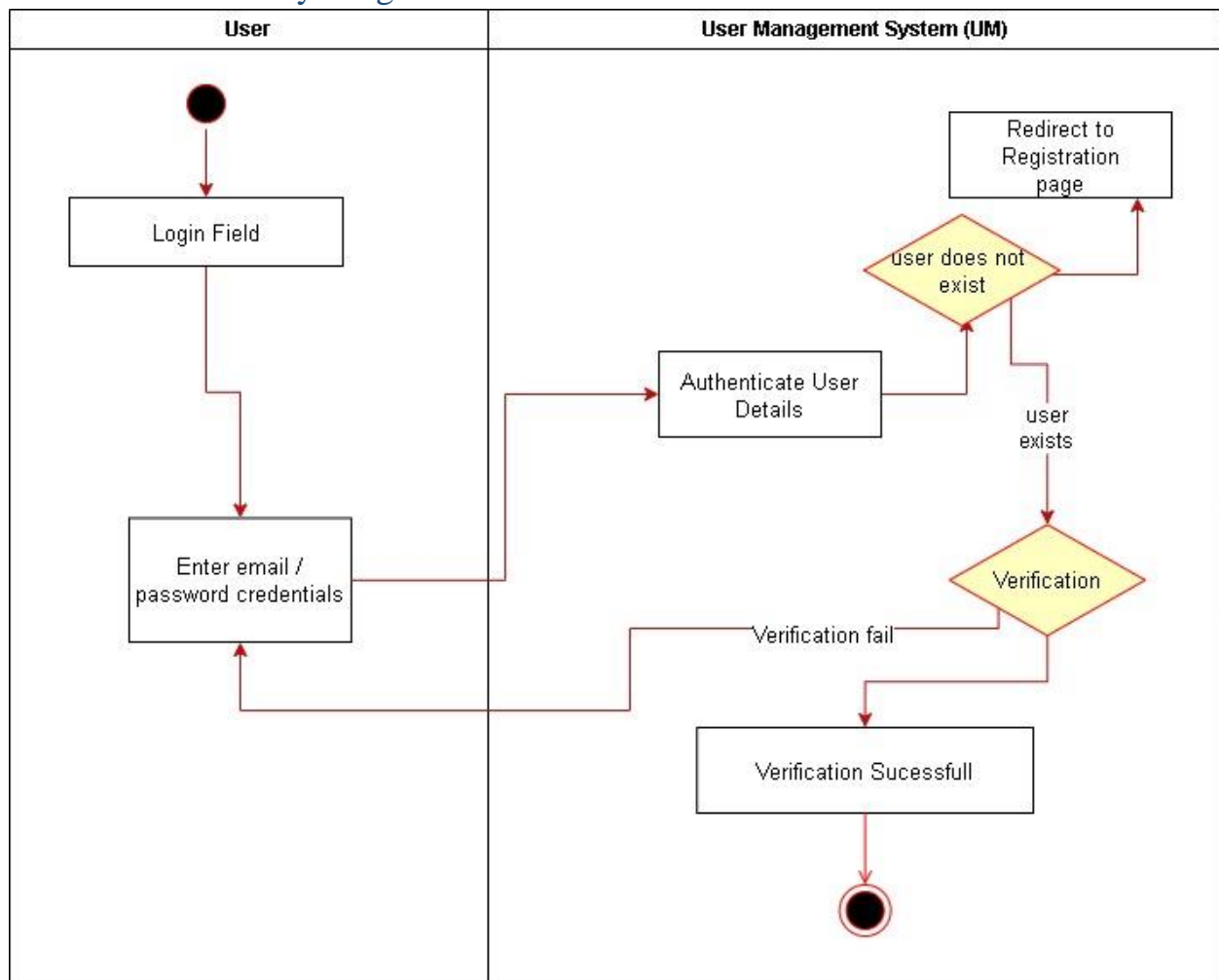


Figure 11 Log in Activity Diagram

6.3.Adding Product

6.3.1. Sequence Diagram

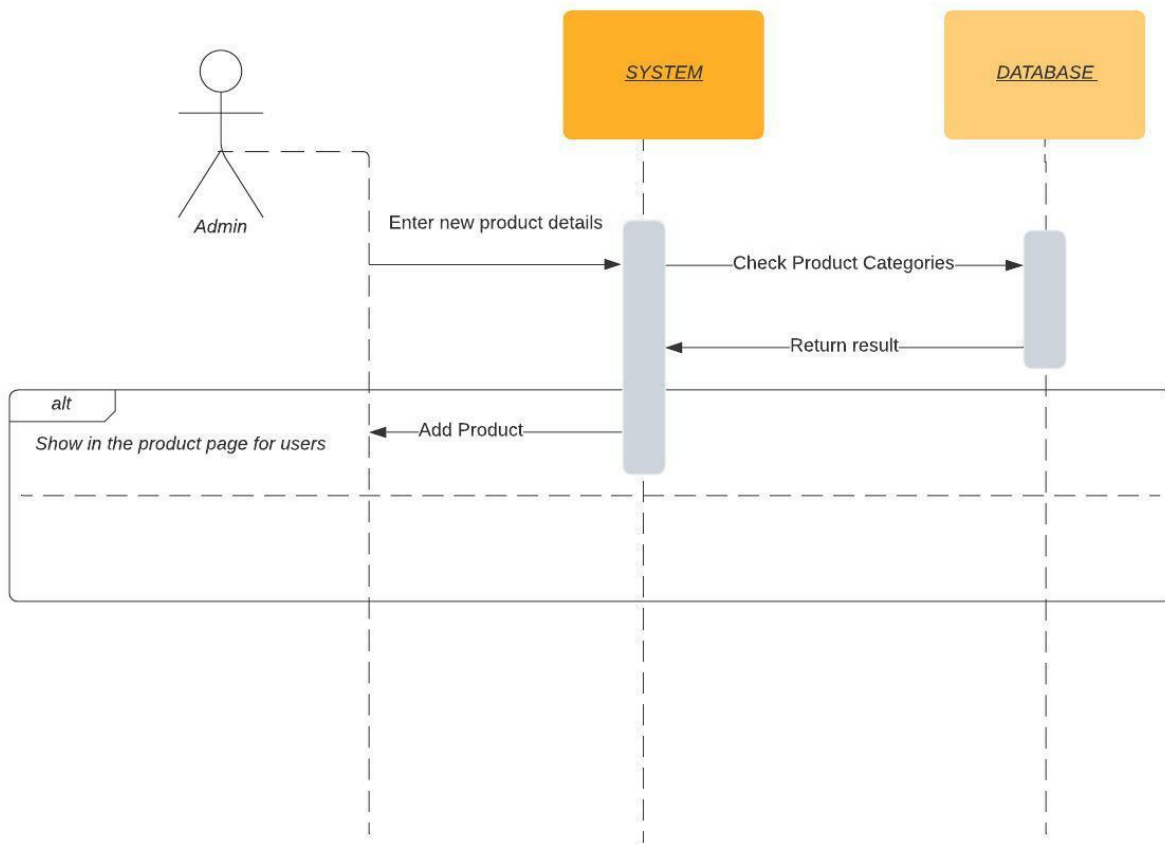


Figure 12 Adding Product Sequence Diagram

6.3.2. Activity Diagram

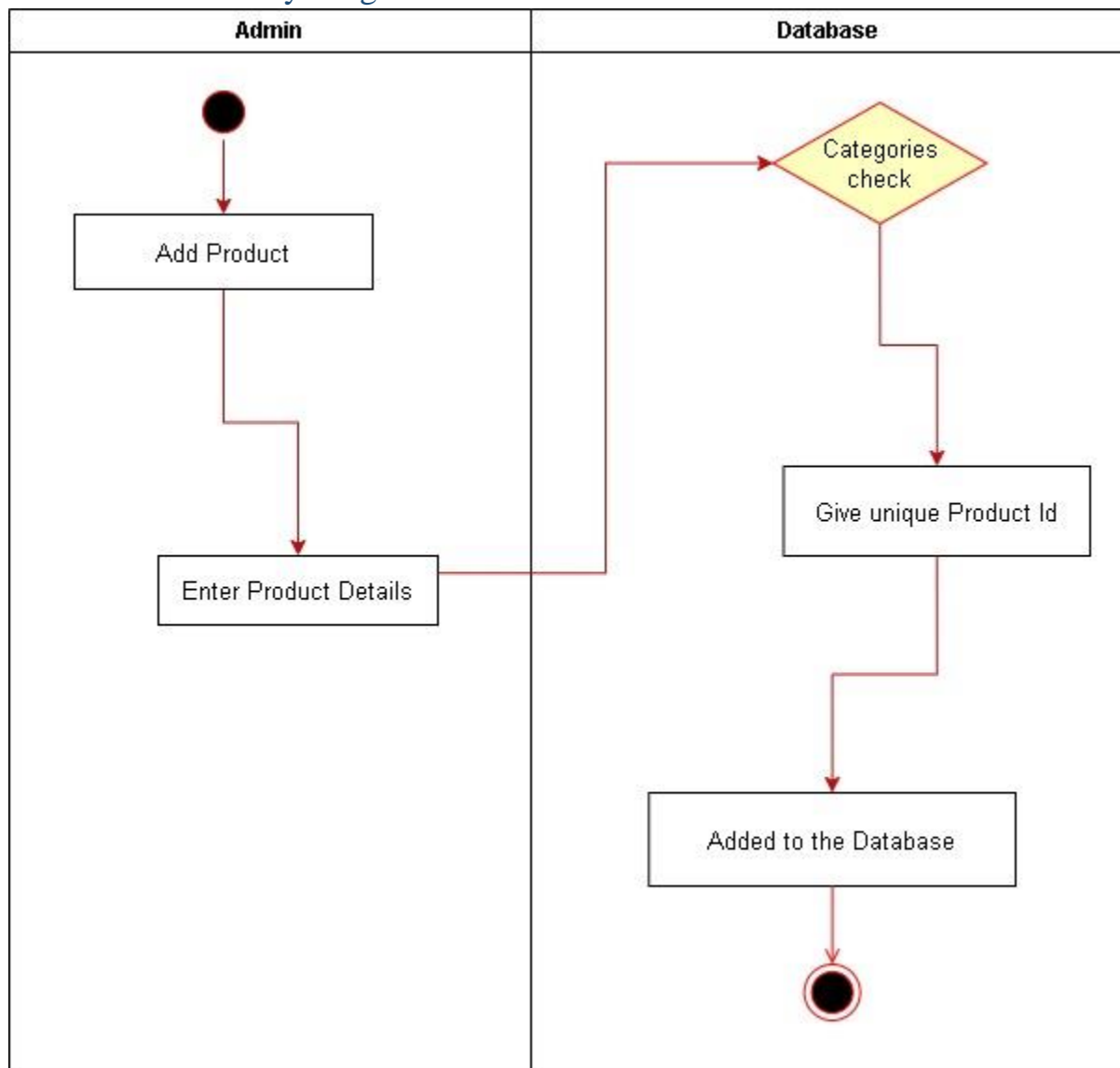


Figure 13 Adding Product Activity Diagram

6.4.Updating Product Details

6.4.1. Sequence Diagram

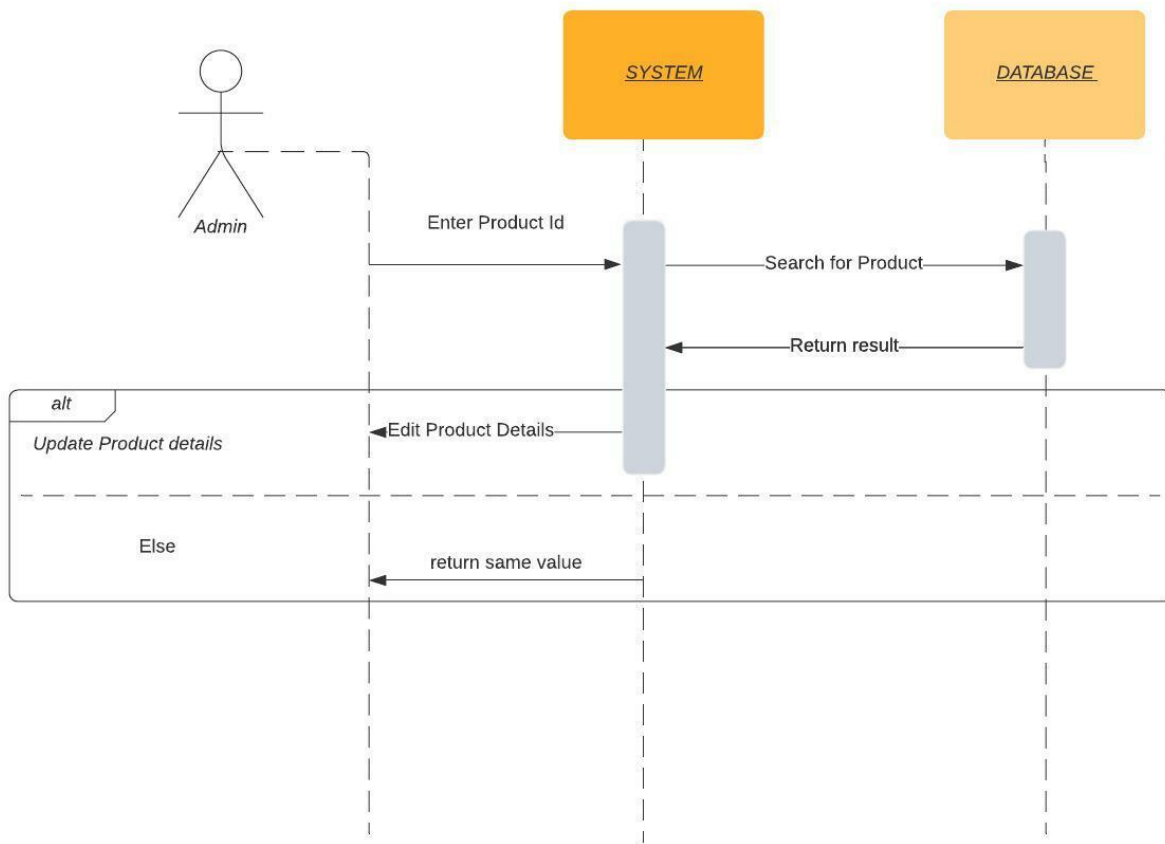


Figure 14 Updating Product Sequence Diagram

6.4.2. Activity Diagram

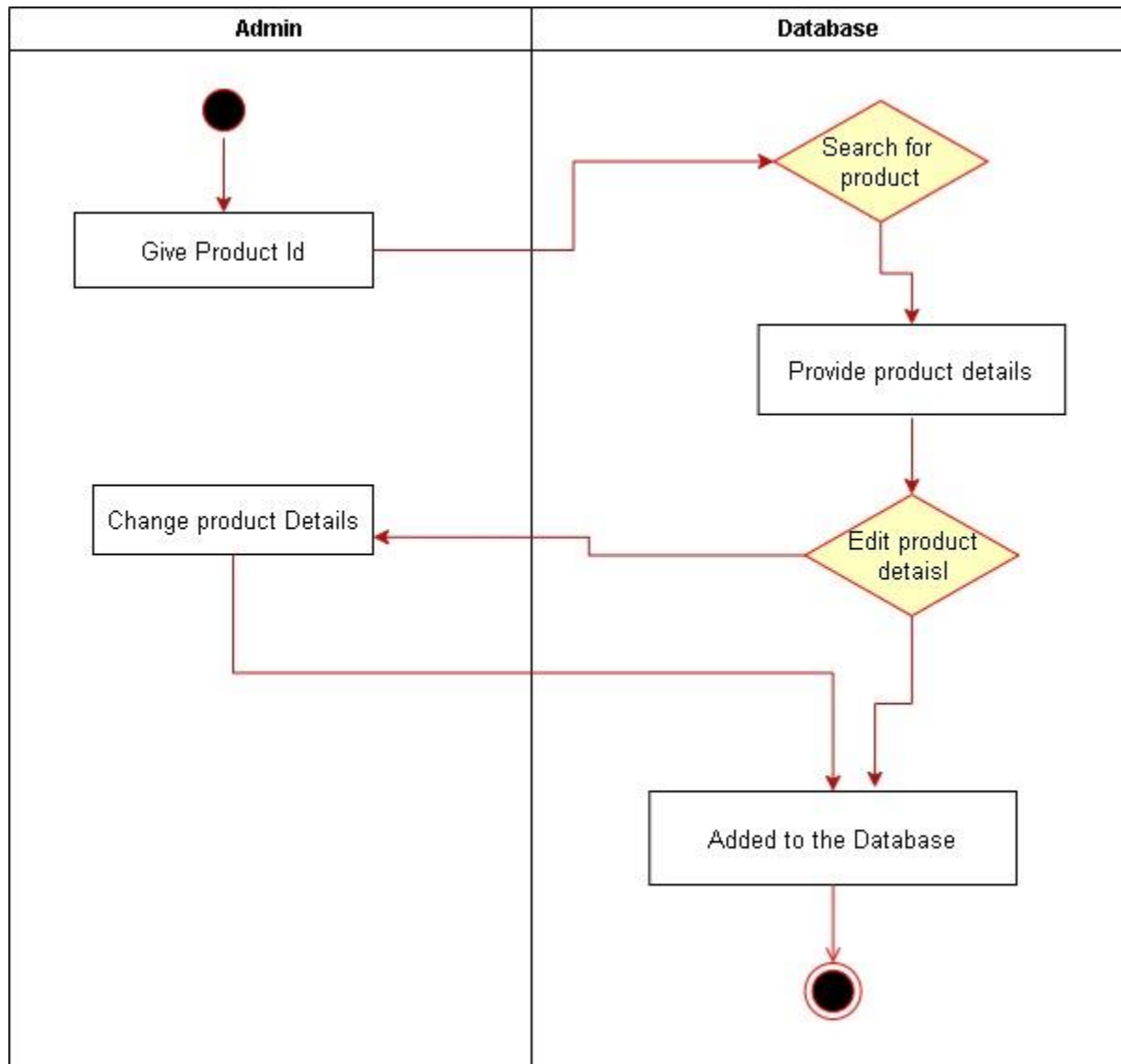


Figure 15 Updating Product Activity Diagram

7. Data Dictionary

Field: name, user_id, product_id, email, password, product_name, categories

Field Name	Description	Data Type	Character Length	Example	Required	Accept Null Value
User_id	Store user unique id to identify user (primary key)	Int	100000	1	Yes	No
Product_id	Store product id to identify the product (primary key)	Int	100000	12	Yes	No
Name	Store user name	var-char	25	Upshot	Yes	No
Password	Store user password in encrypted format	var-char and int	25	P@ss12	Yes	No
Email	Store the user email address to log into the website	var-char	35	@info.mail	Yes	No

8. Wireframe

8.1.Homepage

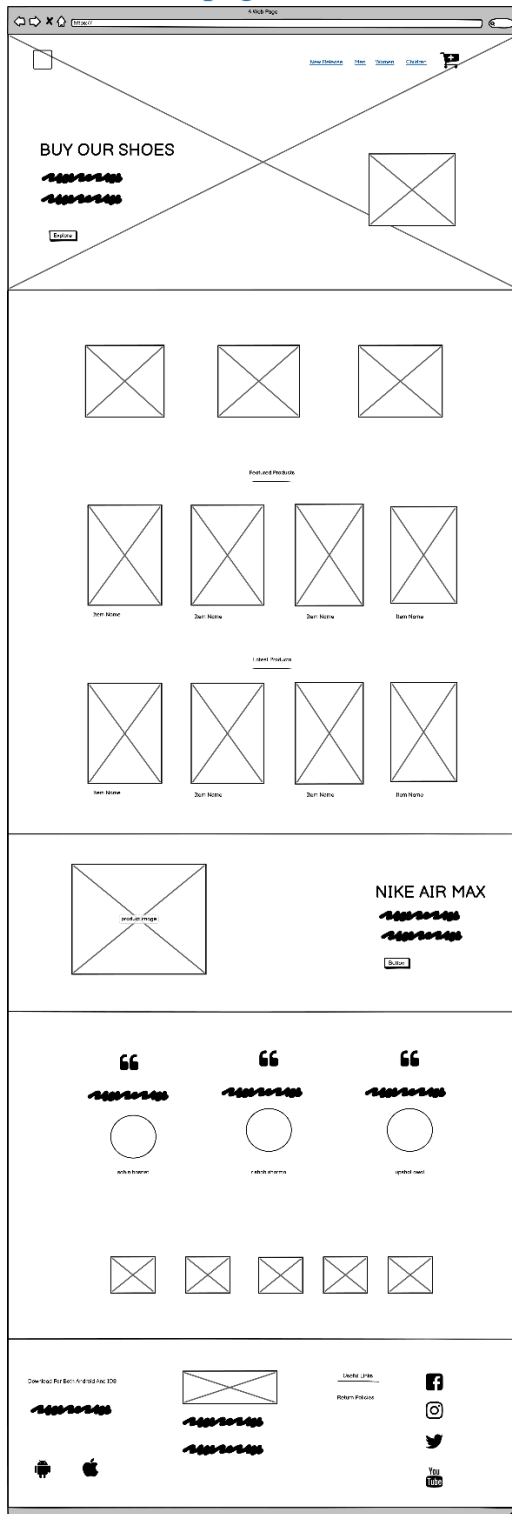


Figure 16 Home page

8.2.Product View Page

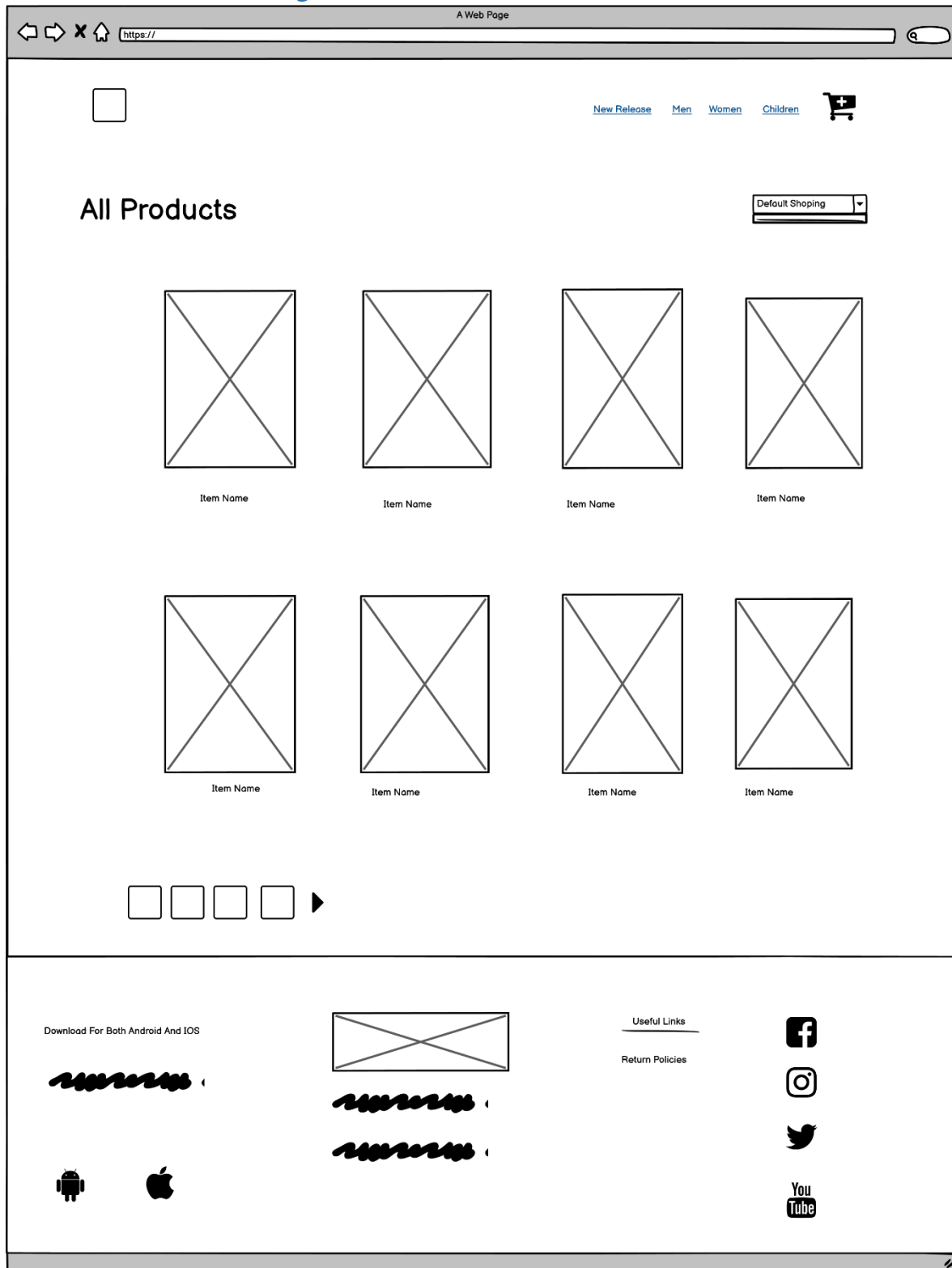


Figure 17 Product Page

8.3.Cart Page

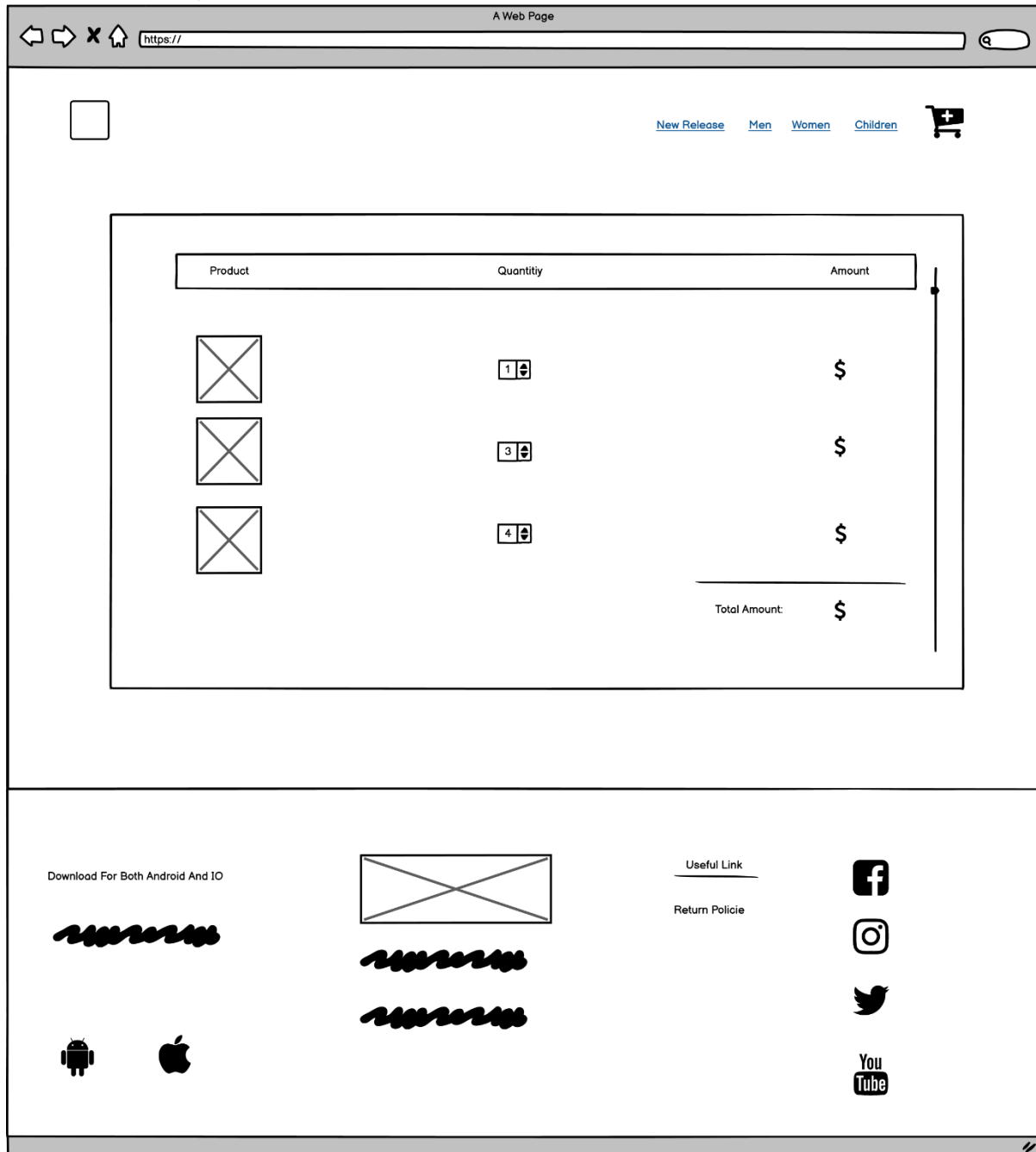


Figure 18 Cart Page

[illegible]

8.5.Payment Detail Page

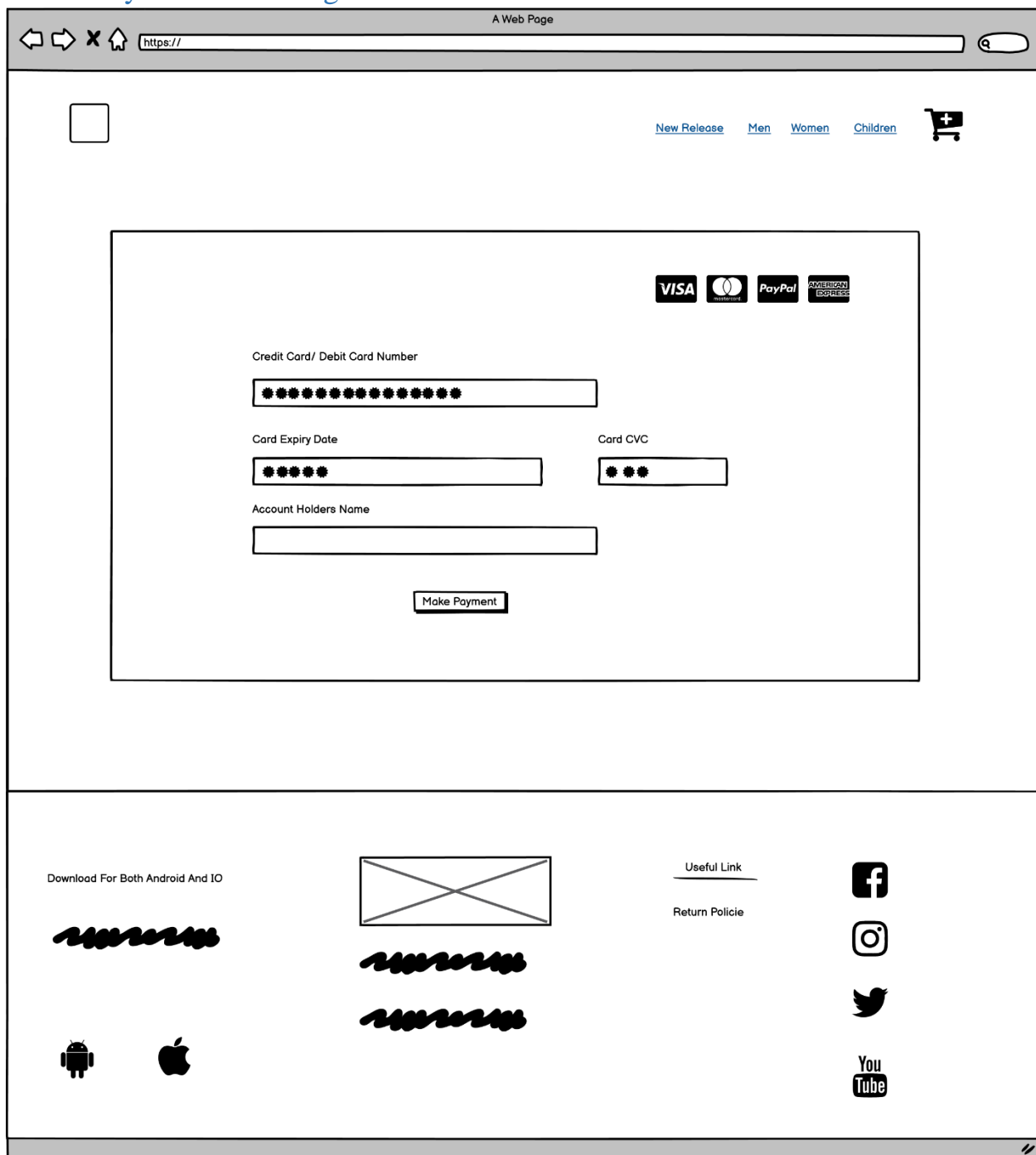


Figure 19 Payment Page wireframe

9. Test Case

TC ID	Test case Title	Pre-condition	Steps	Test Data	Expected Result	Actual Results
TC_001	Verifying Admin Login	1. Should have admin access.	1. Enter email id. 2. Enter Password. 3. Click on login button.	Email: admin Password: admin12345	Admin should be redirected into administration page.	Admin is redirected into administration page.
TC_002	Verifying Admin Login	1. Should have admin ID and Password.	1. Enter email randomly or any unregistered email.	Email: ADMINN Password: admin12345	Invalid email popup should show.	Invalid email popup is shown.
TC_003	Verifying Admin Login	1. Should have admin ID and Password.	1. Enter email id. 2. Enter random password. 3. Click on login button.	Email: admin Password: qwerty	Invalid password popup should show.	Invalid password popup is shown.
TC_004	Verifying Admin Login	1. Should have admin ID and Password.	1. Leave email field blank. 2. Leave password filed blank. 3. Click on login button.	Email: Password:	Please fill in this filed popup should show.	Please fill in this filed popup is shown.