

RSTUDENT : _____Rosalim Sorin-Ionut_____

PROJECT for SOFTWARE ENGINEERING LABORATORY

E-COMMERCE WEBSITE

1. APPLICATION DESCRIPTION

The website will be available for all the customers to make orders and buy products.

The customers will be able to search for the product they are looking for and they can use different filters to search for a product. They are also able to design their own product in order to fulfill their needs. They can add multiple product at once in the shopping cart and also they can decrease or remove a specific number of products.

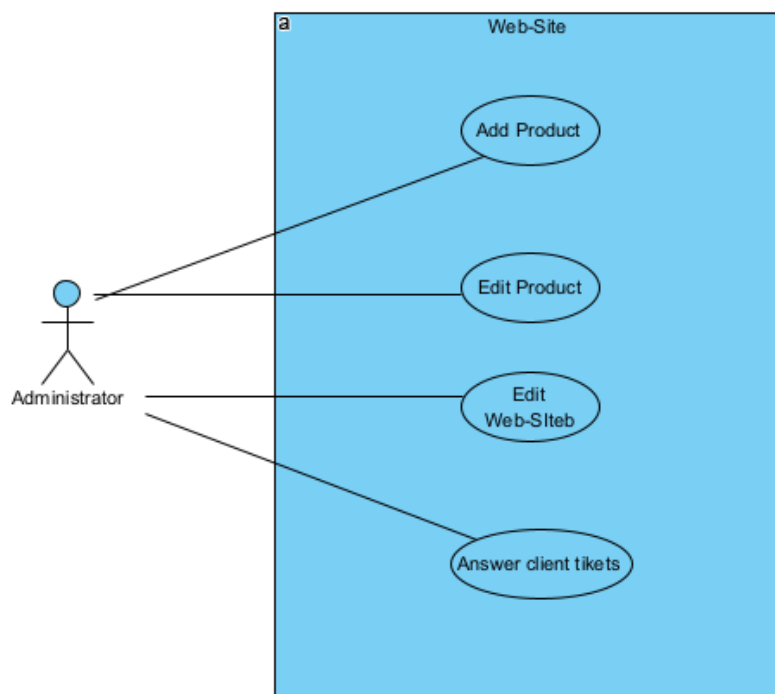
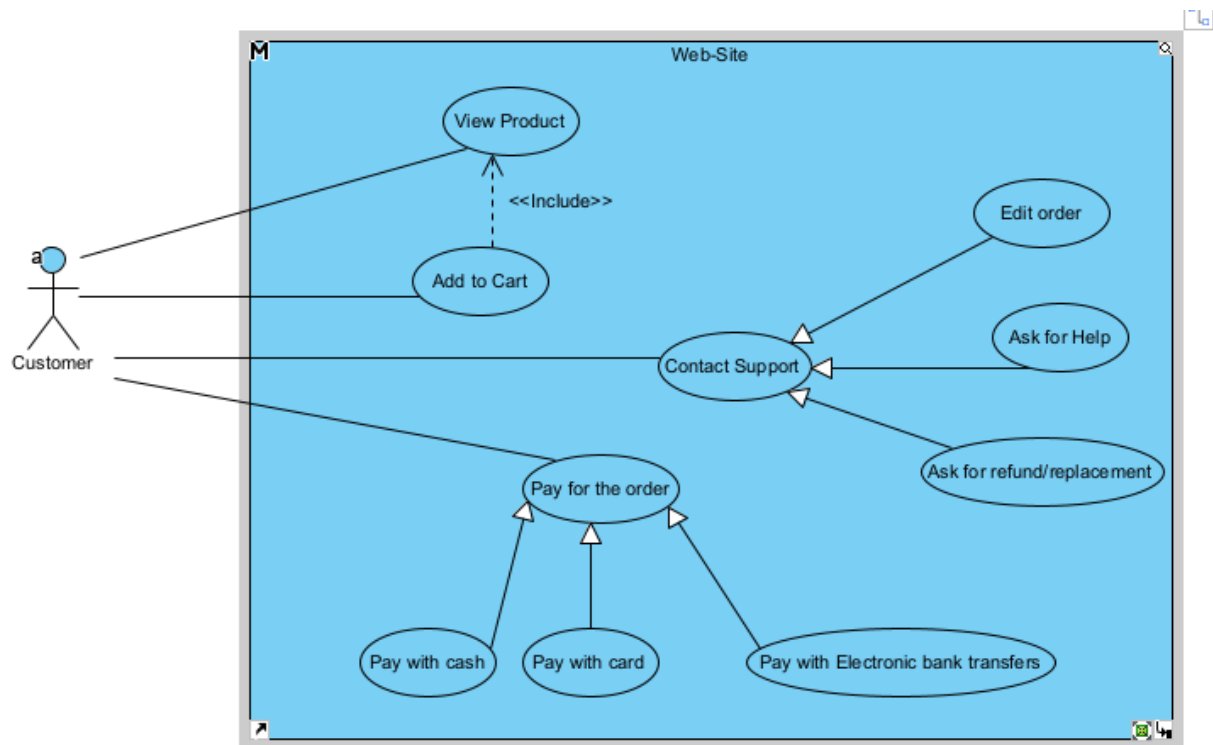
The customers must log in in order to proceed to the checkout and in order to check the previous orders. They can contact the customer support and get answers on the FAQ page.

The website administrator must log in in order to make changes to it. They can add new products to the website and modify existing ones.

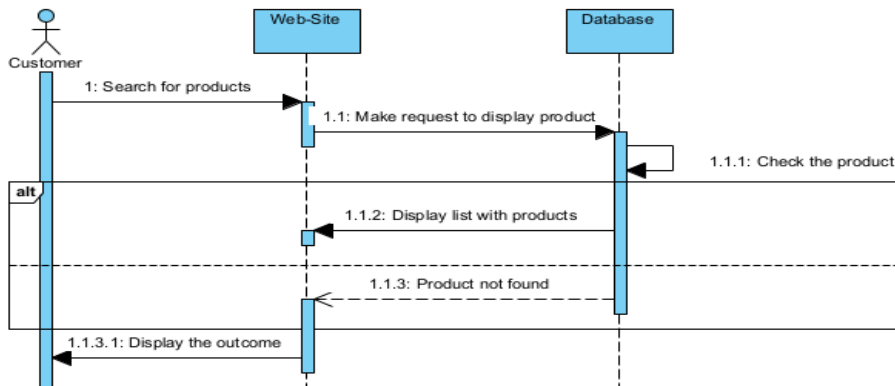
The website will display on the front-page the last four updated products.

The clients must complete a form in order to complete the check-out page and to pay for the order.

2. USE CASE DIAGRAM



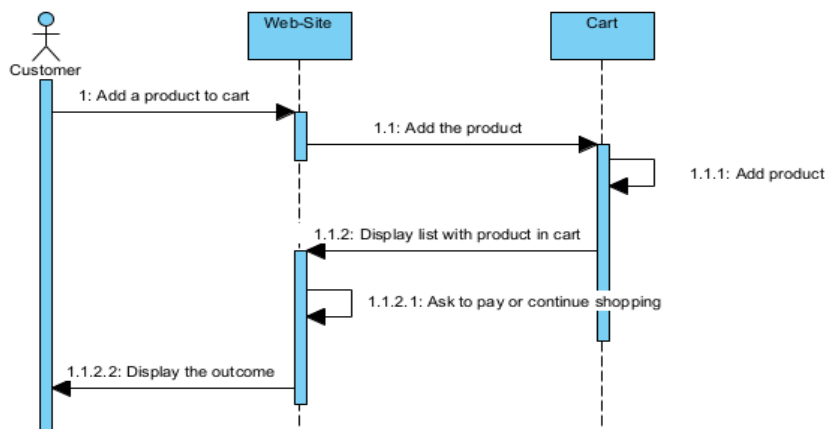
3. USE CASE DETAILS :



UC name: View Product
 Actor : Customer
 Description : The customer wants to see a particular product
 Preconditions : -
 Postconditions : Request is sent to the system

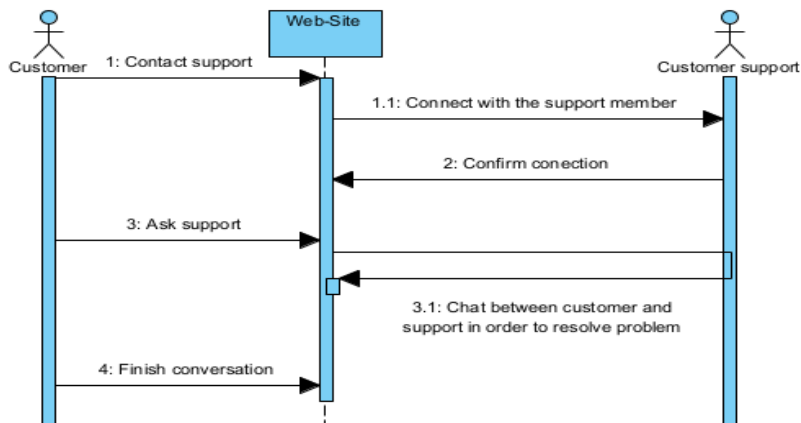
Main Flow:
 1. Search the product
 2. Display the products

Alternate Flow:
 1. If the product is not found it will display an error message



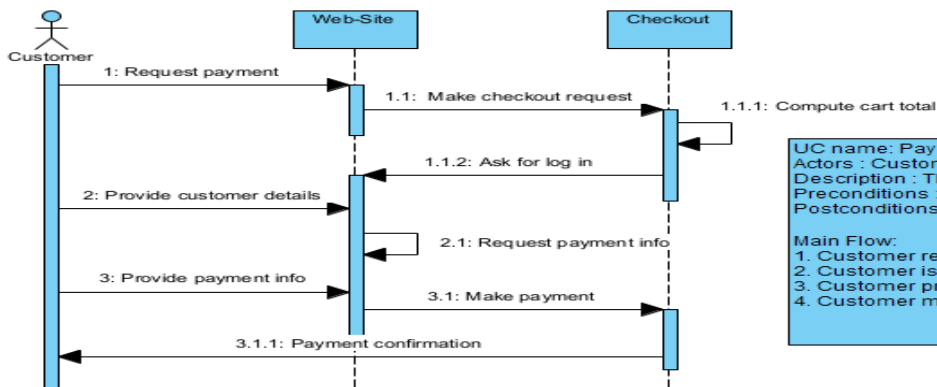
UC name: Add to order
 Actor : Customer
 Description : The customer adds new product to cart
 Preconditions : -
 Postconditions : Request is sent to Web-site

Main Flow:
 1. Add amount of product to the cart
 2. Display list of products in the cart

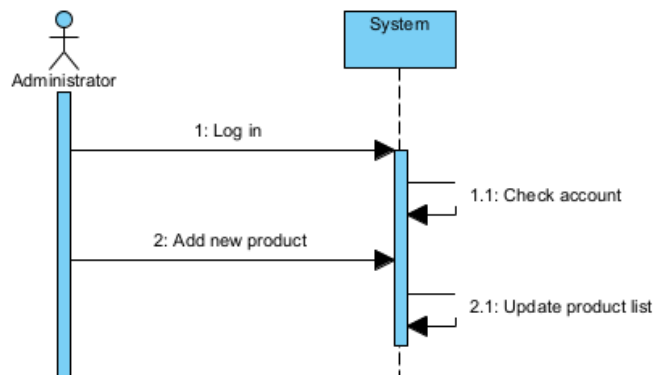


UC name: Contact Support
 Actors : Customer, Customer Support
 Description : The customer adds new product to cart
 Preconditions : -
 Postconditions : Request is sent to Customer support

Main Flow:
 1. Display list of products in the cart
 2. Display list of products in the cart
 3. End conversation when the problem is solved

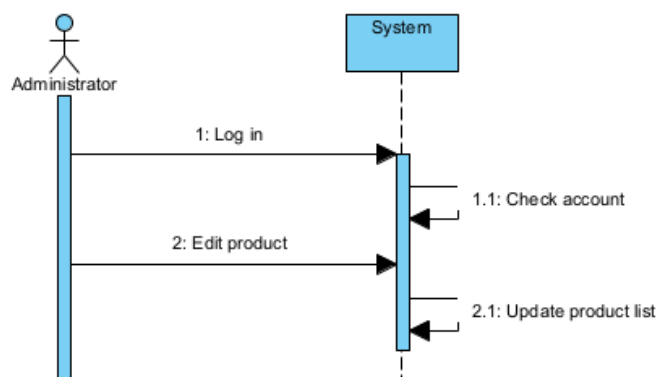


UC name: Pay for the order
 Actors : Customer
 Description : The customer contacts support
 Preconditions : -
 Postconditions : Request is sent to Checkout
 Main Flow:
 1. Customer request payment
 2. Customer is ask to log in
 3. Customer provides all the information
 4. Customer makes the payment



UC name: Add new product
 Actor(s) : Administrator
 Description : Administrator adds new products
 Preconditions : -
 Postconditions : Administrator updates the system

Main flow:
 1. Administrator log in
 2. Admin update the product list

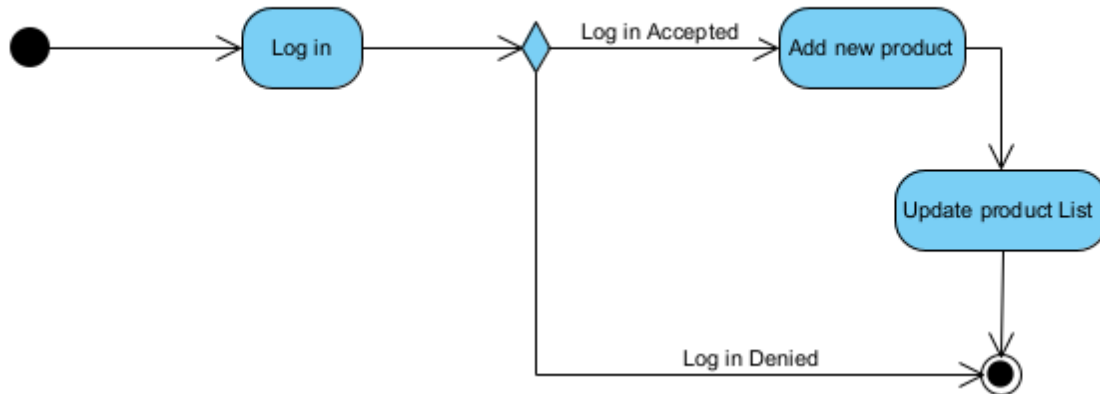


UC name: Edit product
 Actor(s) : Administrator
 Description : Administrator edits products
 Preconditions : -
 Postconditions : Administrator updates the system

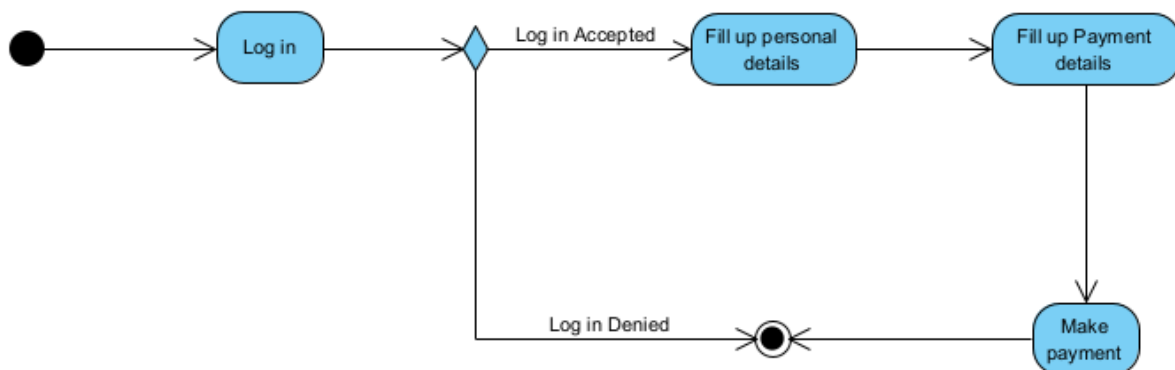
Main flow:
 1. Administrator log in
 2. Admin update the product list

4. ACTIVITY DIAGRAMS :

UC name: Add Product

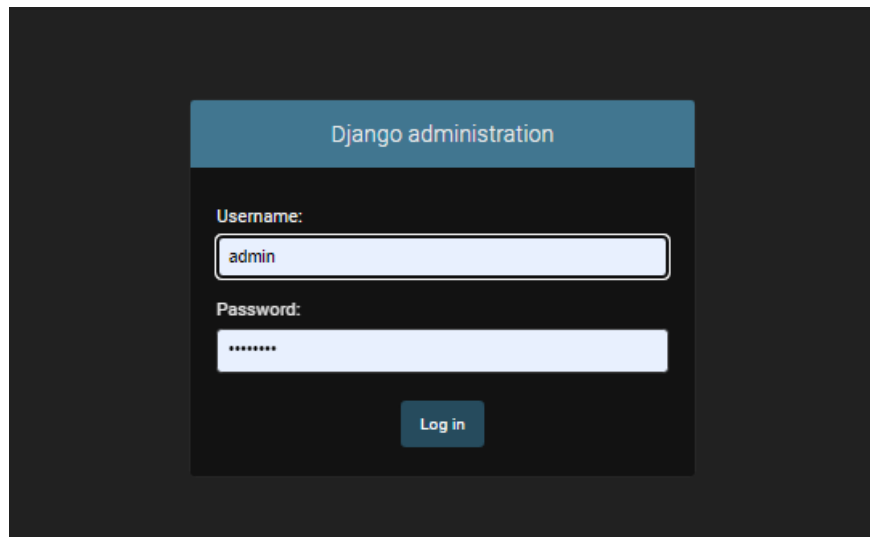


UC name: pay for the order



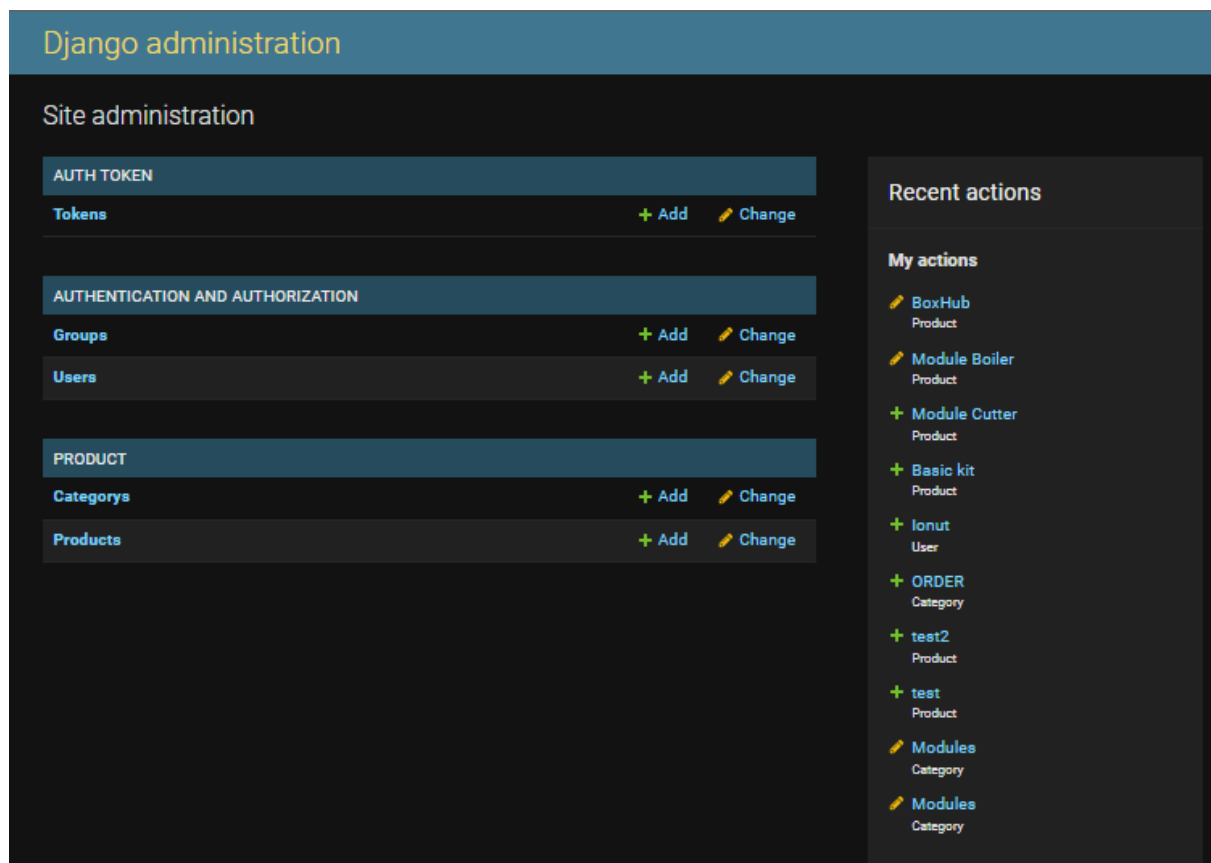
5. GUI PROTOTYPE

1.1 Admin login page



The image shows a login form for Django administration. It has a dark background with a light blue header bar containing the text "Django administration". Below the header, there are two input fields: "Username:" with the value "admin" and "Password:" with masked characters "*****". A "Log in" button is positioned below the password field.

1.2 Admin menu screen



The image shows the Django administration menu screen. It has a dark background with a light blue header bar containing the text "Django administration". Below the header, there is a "Site administration" section with three sub-sections: "AUTH TOKEN", "AUTHENTICATION AND AUTHORIZATION", and "PRODUCT". Each sub-section contains a table with columns for the name, "Add", and "Change" actions. To the right of the "Site administration" section is a "Recent actions" section with a "My actions" sub-section. The "My actions" sub-section contains a list of actions with icons and labels.

AUTH TOKEN		
Tokens	+ Add	Change

AUTHENTICATION AND AUTHORIZATION		
Groups	+ Add	Change
Users	+ Add	Change

PRODUCT		
Categories	+ Add	Change
Products	+ Add	Change

Recent actions

My actions



- BoxHub Product
- Module Boiler Product
- + Module Cutter Product
- + Basic kit Product
- + Ionut User
- + ORDER Category
- + test2 Product
- + test Product
- Modules Category
- Modules Category

1.3 Add product

Add product

Category:

Kits

Name:

TEST

Slug:

Description:

Price:

Image:

Choose file

No file chosen

Thumbnail:

Choose file

No file chosen

2. Main Screen

Welcome to Chef-in-the-Box

The little chef in your kitchen

Latest products



Module Cutter
\$563.00



2.1. Main Screen

Chef in the Box

What are you looking for?


Kits

Modules

About

My account

Cart (222)



Module Boiler

Information

Mauris et sollicitudin massa, vitae pulvinar lacus. Aliquam eget lobortis ex. Nunc vel lorem sit amet urna volutpat aliquam. Nulla congue hendrerit posuere. This is used to boil anything. Mauris eu sodales mi. Pellentesque enim ante, tempus pulvinar erat maximus, porta aliquet lacus. Mauris quis leo sed libero dignissim iaculis. Pellentesque tempor tempus ante sed condimentum.

1

Add to cart

Price: \$300.00

2.2. FAQ Screen

Chef in the Box

What are you looking for?

Kits

Modules

About

My account

Cart (222)

1. How can I do?

In lacoreet sollicitudin lorem at ultrices.

How can I do?

Donec diam sapien, luctus ac blandit a, consectetur sed dui. Mauris euismod tempor lacinia.

Give us feedback!

What you liked about our product?

What you didn't liked about our product?

How can we improve?

What products will you like to see on our store?

SEND

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3.1. Cart Screen

Chef in the Box

What are you looking for?

Kits

Modules

About

My account

Cart (222)

Cart

Product	Price	Quantity	Total
Basic kit	\$1599.00	— 222 +	\$354978.00

Total value of the cart:

\$354978.00 222 items

Proceed to checkout

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3.2. Checkout Screen

Checkout

Product	Price	Quantity	Total
Basic kit	\$1599.00	222	\$354978.00
Total		222	\$354978.00

Shipping details

* All fields are required

First name*

Last name*

E-mail*

Phone*

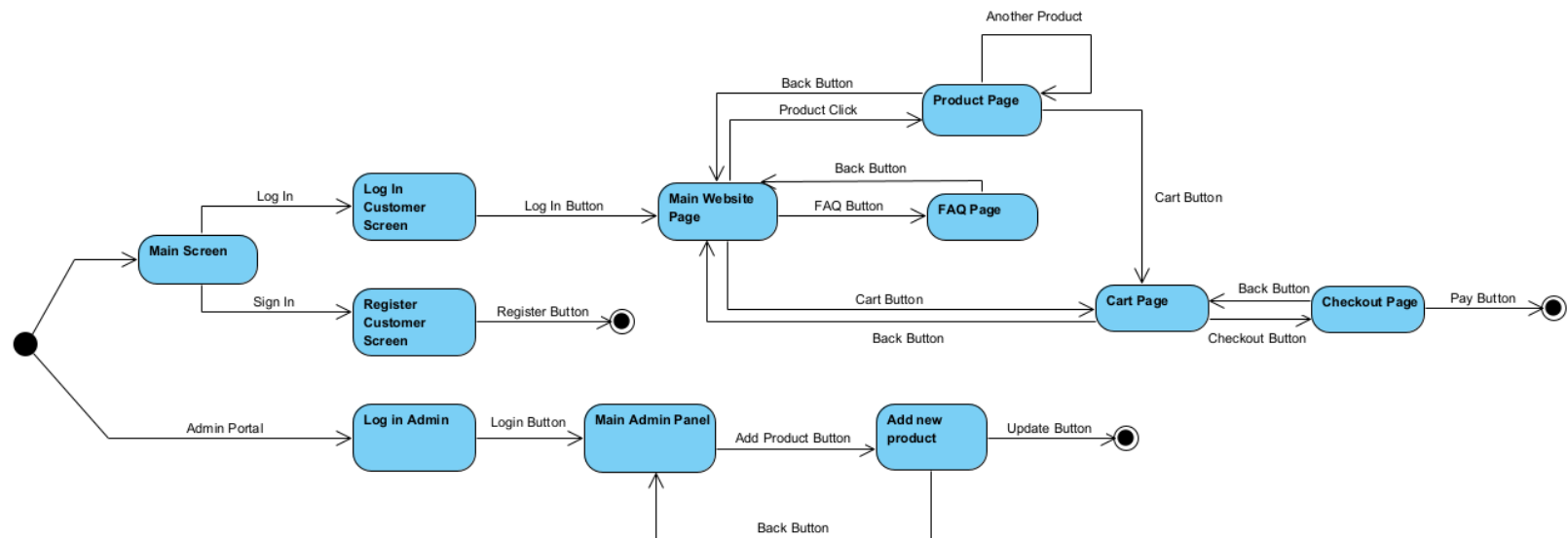
Address*

Zip code*

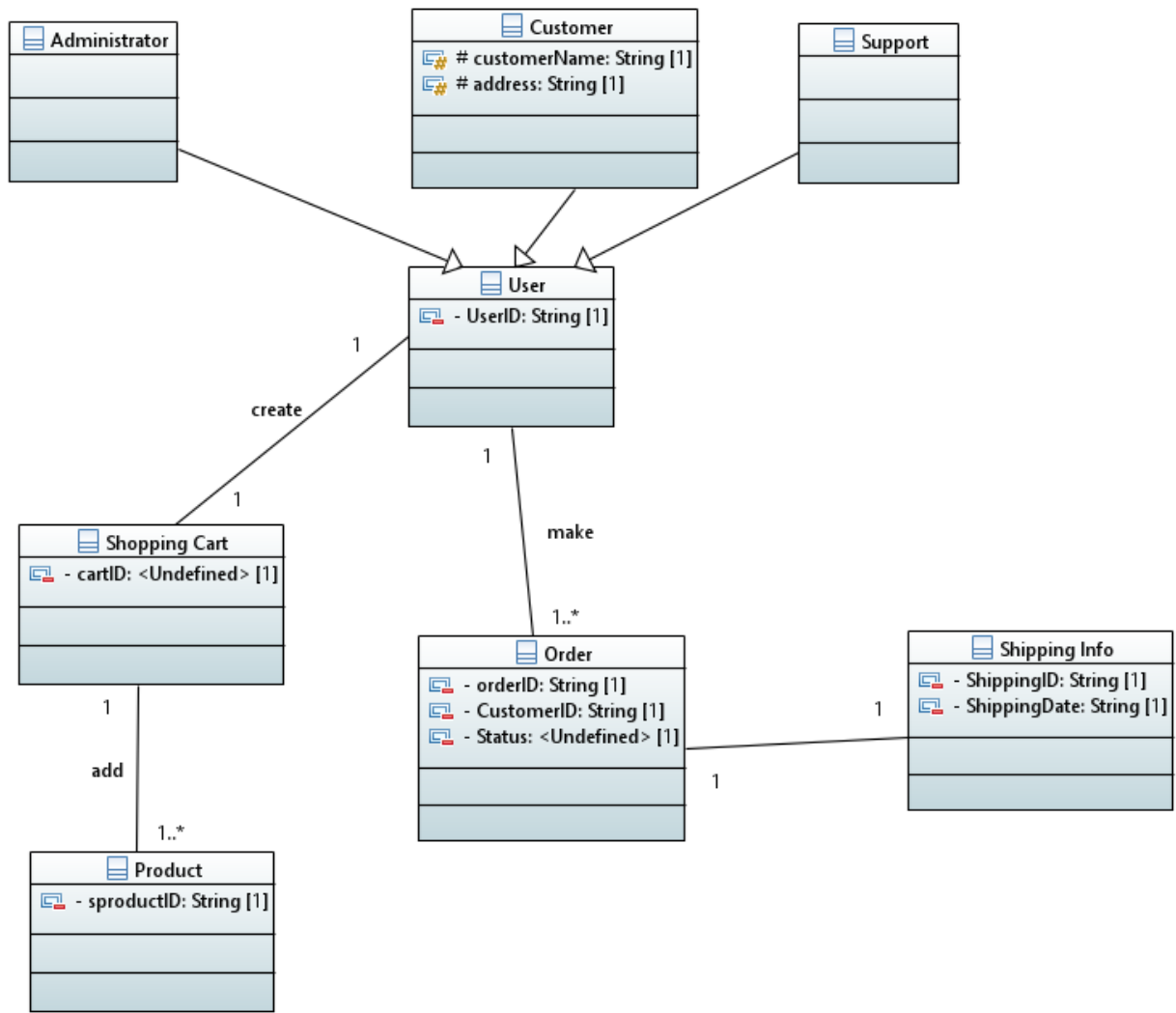
Place*

Pay for the order

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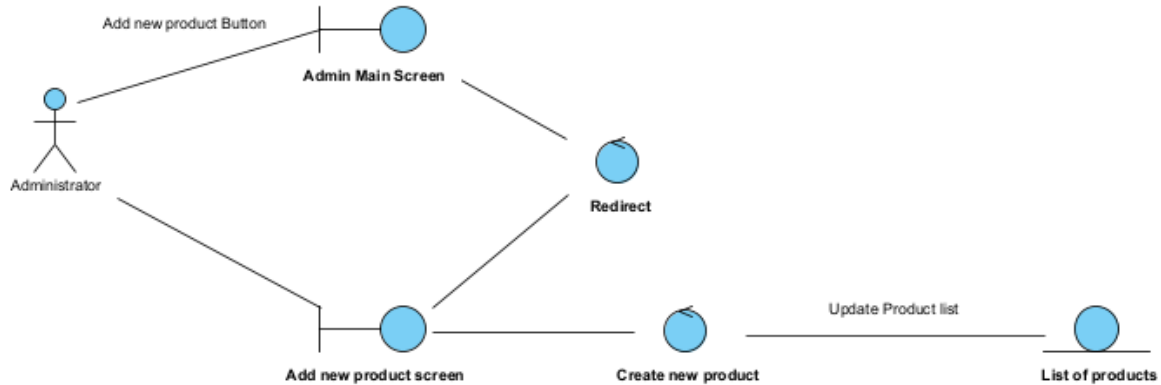


6. DOMAIN MODEL

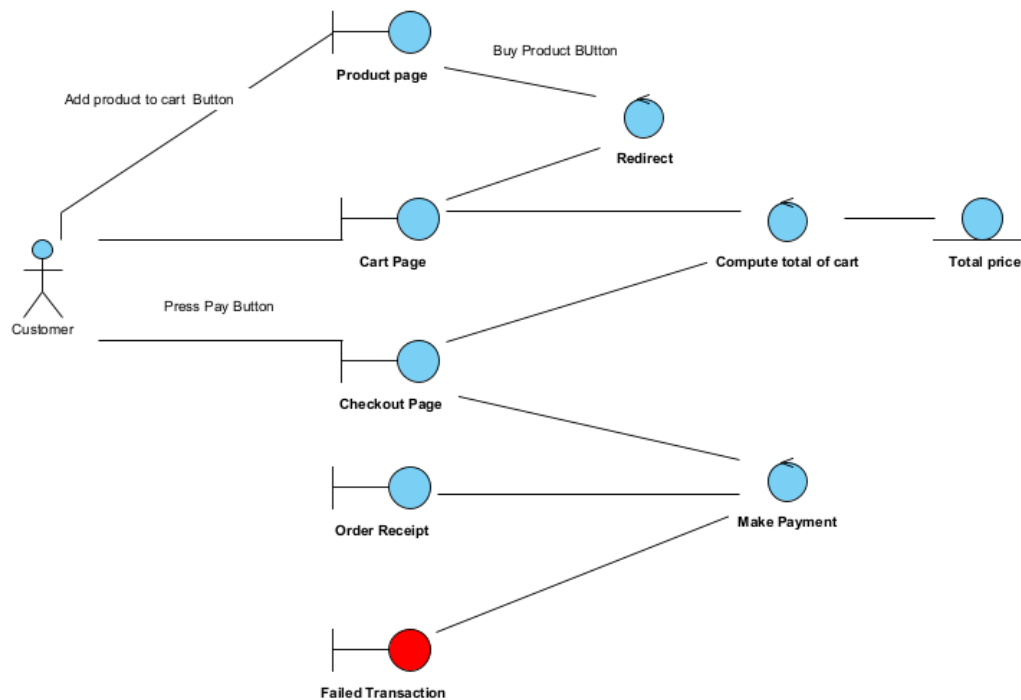


7. ROBUSTNESS DIAGRAMS

UC name: Admin add new product

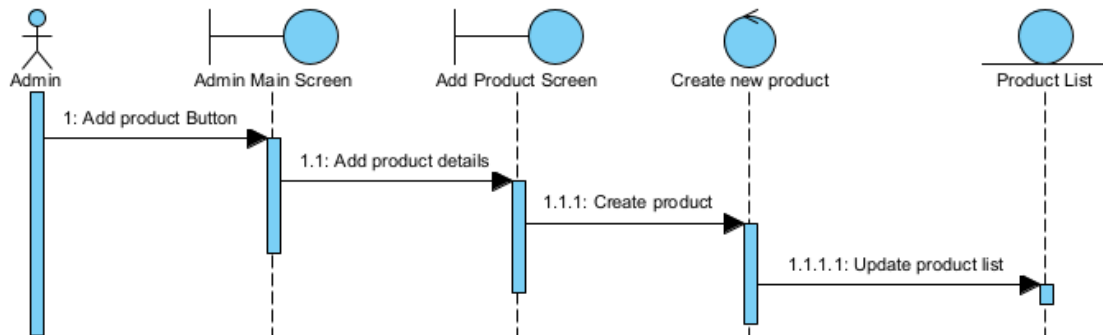


UC name: Customer makes payment

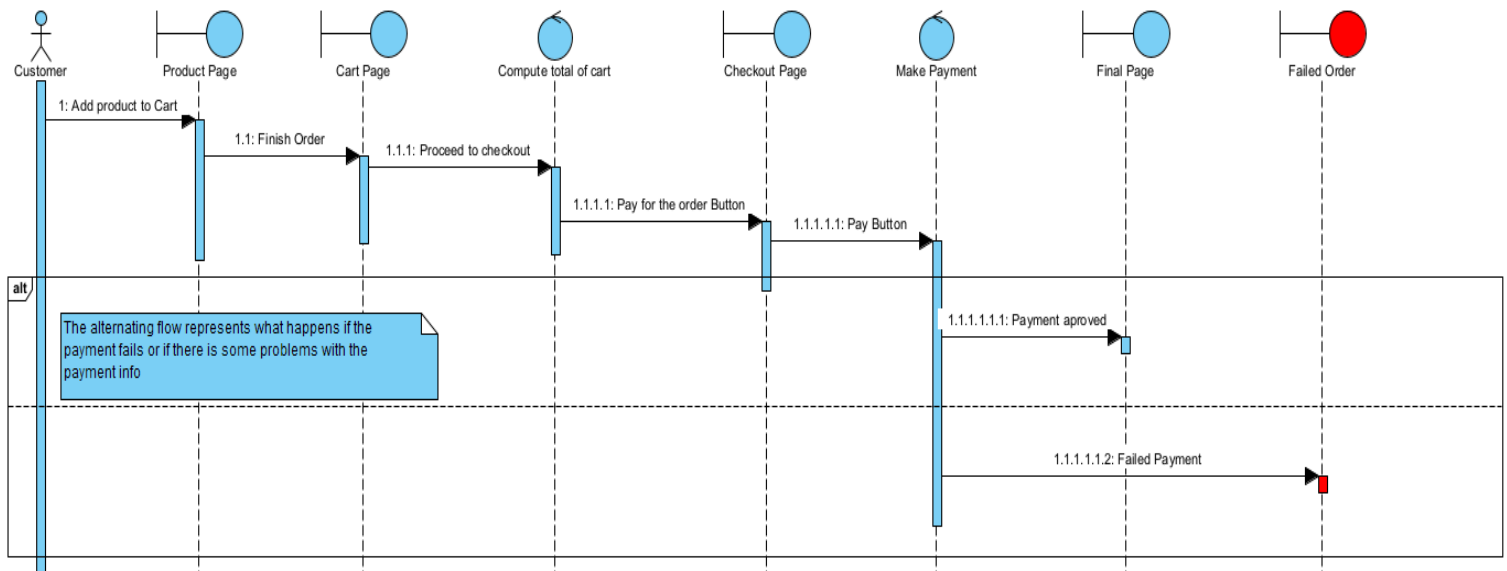


8. SEQUENCE DIAGRAMS

UC name: Admin add new product



UC name: Customer makes payment



9. THE EXTENDED CLASS DIAGRAM

