

VIETNAM NATIONAL UNIVERSITY HO CHI MINH CITY  
UNIVERSITY OF INFORMATION TECHNOLOGY  
FACULTY OF INFORMATION SYSTEM



# SHOE STORE E-COMERCIAL WEBSITE

**Advanced Programming For Window Enviroment**

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-- Year of 2017 --

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# I. INTRODUCTION

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## 1. Purpose of the project

Nowadays, shoes has become one big part of human's fashion, the trend continuously grow as the demands of people increase. Our group designed this website to satisfy the need of online shoes booking and provide customer with the best online shopping experience.

## 2. About the project

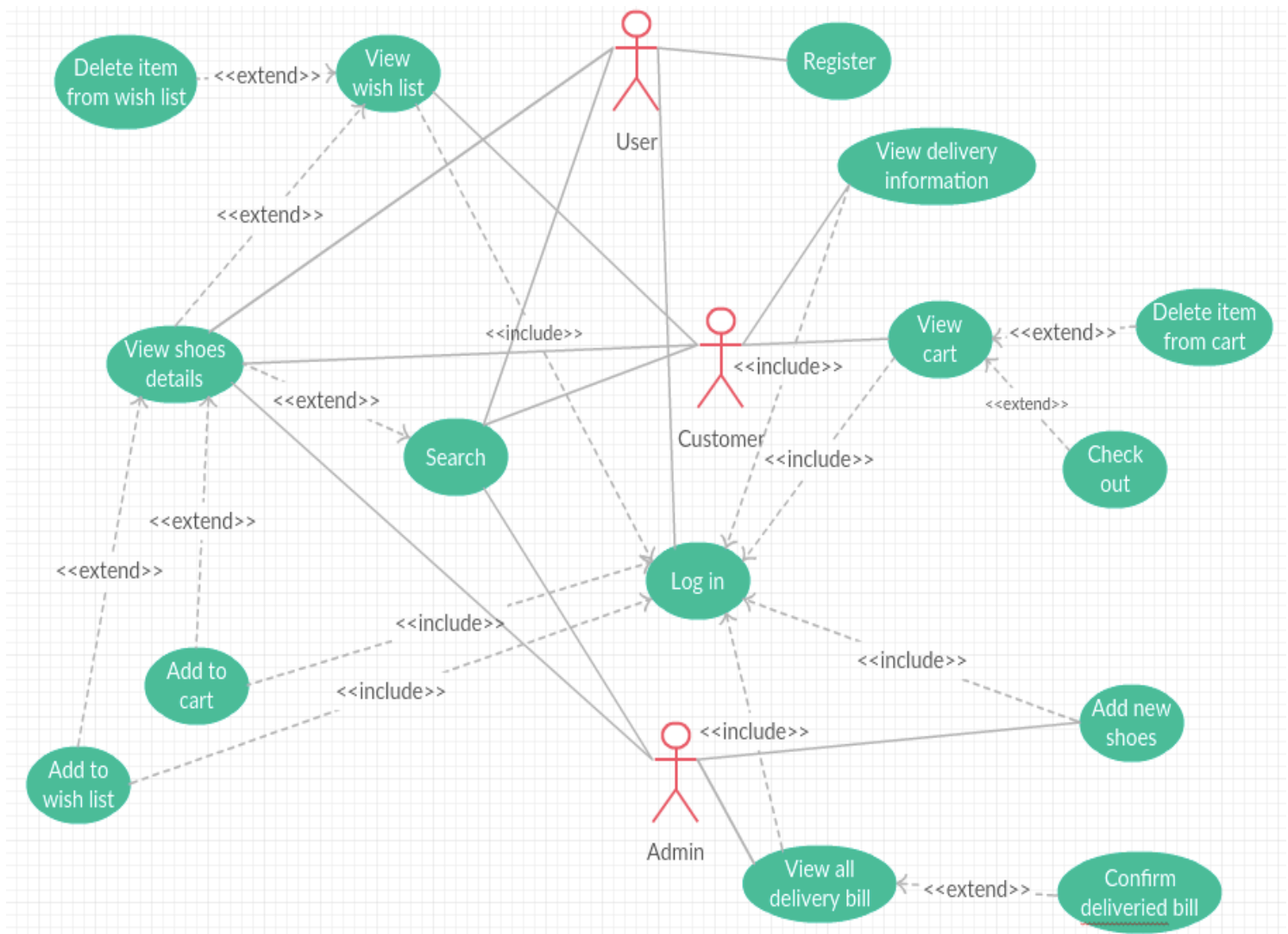
This project Online Shoe Shopping System has been developed on PHP and MySQL platform. The main objective for developing project was to sell the shoes of different brand online. This project provides a lot of features to manage the products in very well manner, contains up-to-date modules and design that suit with modern generation. In the current system, we have intergrated a single payment system Cash on delivery but in the future we will enhance it with online payment system.

## 3. Overview functions

- This project Online Shoe Store manage to keep all data related to sales, purchase, employee details, payment details and their customer details in each column in database (and soon will be on files).
- Admin can add all type new products, delete products. This system is very helpful for customers because they can easily select any shoes from this store and they will be updated into the cart at the same time.
- Provide the customers all the information about all type shoes like women's shoes, men's shoes and Kids.

## II. SYSTEM ANALYSIS AND DESIGN

### 1. Use case diagram



## 1.1. Use case descriptions

Use- Case	Register
Precondition	NA
Purpose	Help user have an account to enable user use function for member.
Main flow	1. Click the button "JOIN" at the top-right of website. 2. Create the account by inputting your name, e-mail address and password. 3. Click the button "Register" below password Text box. 4. After confirming, system will accept your identity for login to website.
Alternative flow	NA
Result	Have an account.

Use- Case	Login
Precondition	Already have an account.
Purpose	Access to website to use member's function.
Main flow	1. Click the button "JOIN" at the top-right of website. 2. Type user identity (e-mail, password). 3. Click "login" button to access to website.
Alternative flow	NA
Result	User access successfully to website or login fail.

Use- Case	Search by name
Precondition	NA
Purpose	Find out interested items for view.
Main flow	1. Click the tab "Search" to search the items in website. 2. Input item's name in the textbox. 3. Click "Search" button or enter to make system show the related result.
Alternative flow	NA
Result	If key word resembles item's name in database, item will be show by list under textbox "Search". Otherwise, the undetected key word will make system not show anything.

Use- Case	Search by Category
Precondition	NA
Purpose	Find out interested items for view.
Main flow	1. There are 3 categories in website including Men, Women, Kids 2. Click the tab relating to 3 different types.
Alternative flow	1. User can access item in each category by clicking the list collection at the bottom of website.
Result	Items relate to the chosen category will show in the body of website.

Use- Case	View Item
Precondition	NA
Purpose	View the interested items in details.
Main flow	1. Click the item want to view in search by name, category function.
Alternative flow	NA
Result	Items with specific details (name, brand, size, price, quantity, images and description) will be shown out.

Use- Case	Feedback
Precondition	NA
Purpose	Help user sent feedback to Store.
Main flow	1.Click the tab “Contact”.
	2. Write feedback by inputting title, your problem, full name and email in the body of website.
	3. Click “Submit” button to send feedback to store.
Alternative flow	1.Click the contact text in list of customer service at the bottom of website
	2. Write feedback by inputting title, your problem, full name and email in the body of website.
	3. Click “Submit” button to send feedback to store.
Result	Website receives the feedback of customer.

Use- Case	View personal order
Precondition	Already login
Purpose	See the order information such as shipping fee, total quantity, total price, status(complete or delivering), ...
Main flow	1.Click the text “Welcome! [customer’s name].
Result	Each order details will be shown in each box.

Use- Case	View and Add to wish list
Precondition	Already login
Purpose	Save the list of interested items to watch easily.
Main flow	1.Click to the item.
	2.Click the text “ADD TO WISH LIST” under item ’s details.
Result	The interested item will be added to customers wish list and show it to them.

Use- Case	Delete items from wish list
Precondition	Already login and have items in wish list.
Purpose	Delete items already add to wish list.
Main flow	1.Click to the item.
	2. Click the text “ADD TO WISH LIST” under items ’s details.
	3.Click to “delete item” under the information of item want to delete.
Result	The items will be remove from customers ’s wish list.

Use- Case	Add to cart
Precondition	Already login
Purpose	Save the items want to buy to the cart. Helping user buys multi items in the same time.
Main flow	1.Click to the item.
	2.Click the text "ADD TO CART" under items 's details.
Result	The items which user want to purchase will be inserted to temp cart.

Use- Case	View items from cart
Precondition	Already login and have items in cart.
Purpose	View items already add to cart.
Main flow	1.Click to the item.
	2.Click the text "View cart" above the text "ADD TO CART".
Result	The items' list in cart will be shown to users.

Use- Case	Delete items from cart
Precondition	Already login and have items In cart.
Purpose	Delete items already add to cart.
Main flow	1.Click to the item.
	2.Click the text "View cart" above the text "ADD TO CART".
	3.Click to "delete item" under the information of item want to delete.
Result	The items will be remove from customers 's cart.

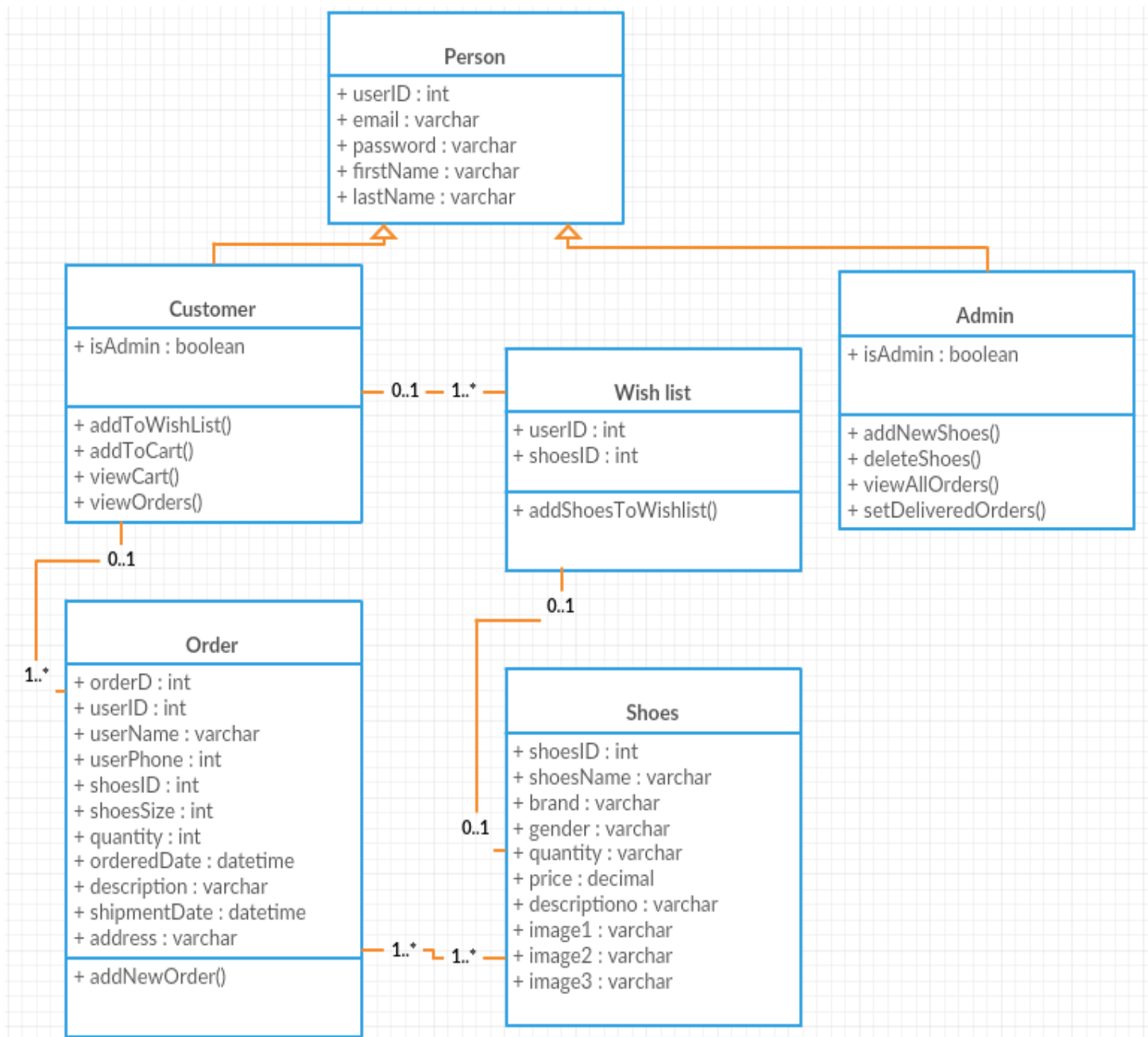
Use- Case	Checkout
Precondition	Already login and have items in cart.
Purpose	Give receiver information to ship items to there.
Main flow	1.Click to the item.
	2.Click the text "View cart" above the text "ADD TO CART".
	3.Click to button "CHECK OUT" nearby shopping summary box.
	4.Type the information of receiver (Name, address, phone number, ...)
	5.Click "SUBMIT" button.
Result	The orders' details will be added to list of personal orders of customer.

Use- Case	View all orders of customers
Precondition	Already login with admin authentication.
Purpose	View the list of all orders and set status for them (delivered or not).
Main flow	1.Click the text "Welcome! [admin's name].
	2.Check "Delivered" if that orders are complete.
Result	The list of all orders will be presented. If the button "Delivered" is checked , that order's status will be update from delivered to complete.

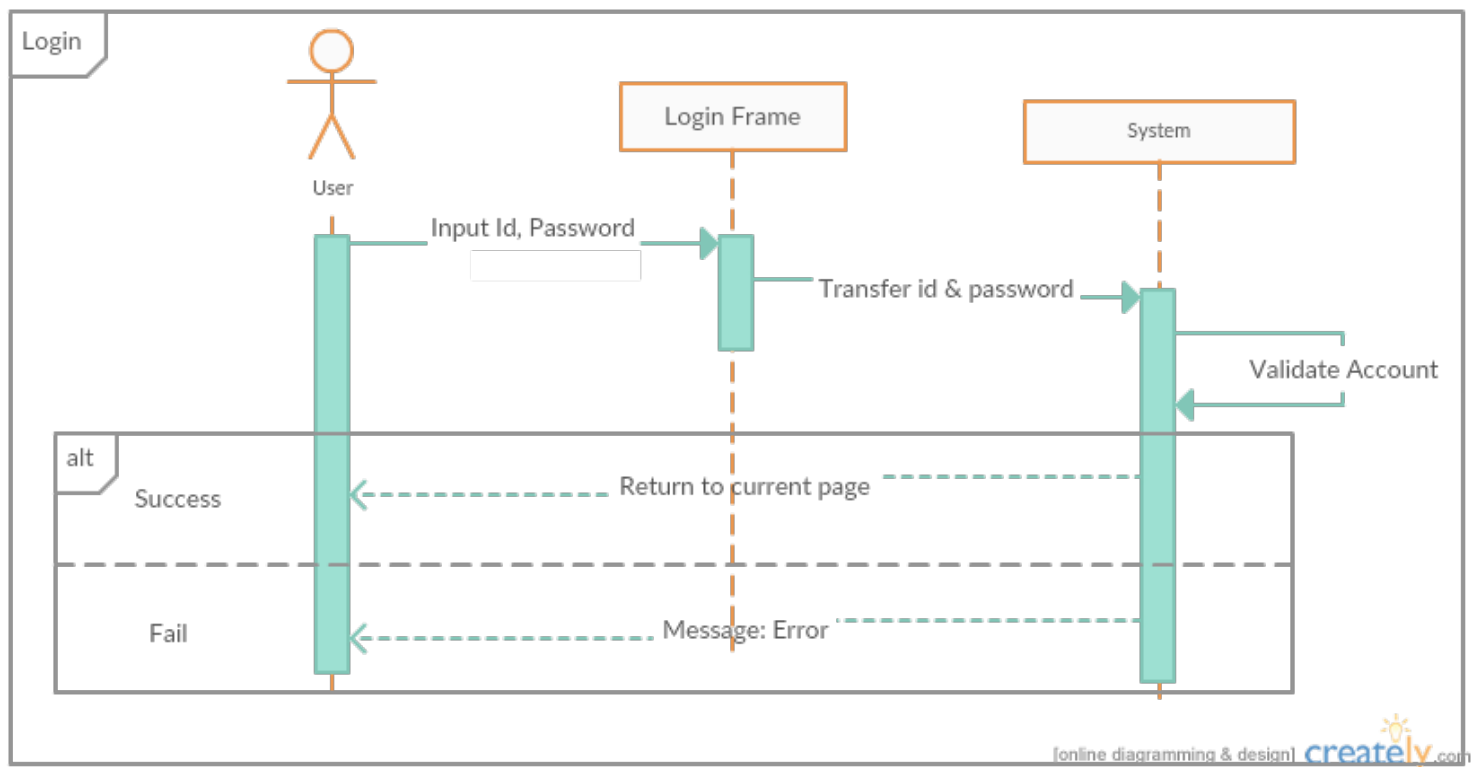
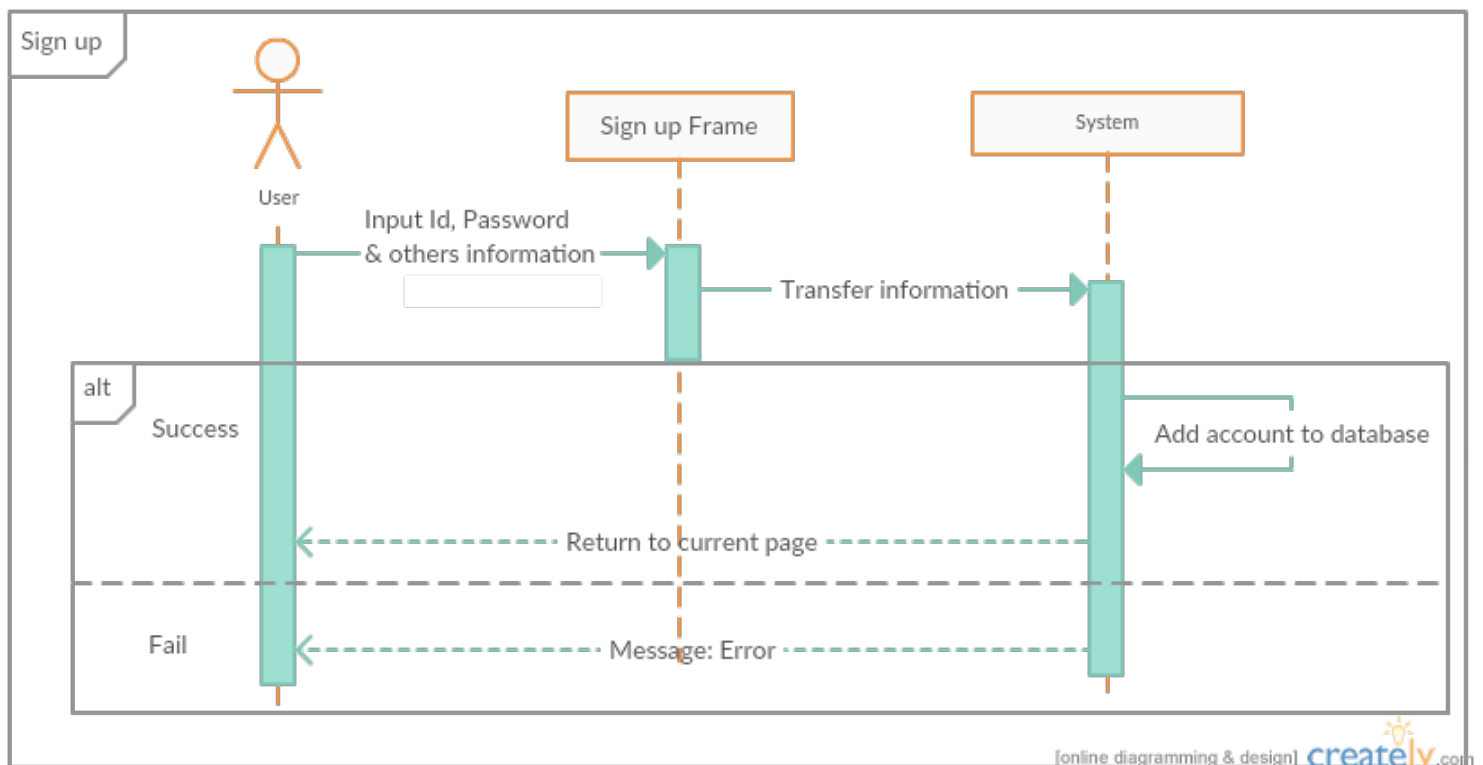
Use- Case	Add new items to store
Precondition	Already login with admin authentication.
Purpose	Add new items to store.
Main flow	1.Click the text “Welcome! [admin’s name].
	2.Click “ADD PRODUCT” button.
	3.Input new item’s information (name, brand, size, price, quantity, brand, images and description).
Result	The new items will be added to shopping store.

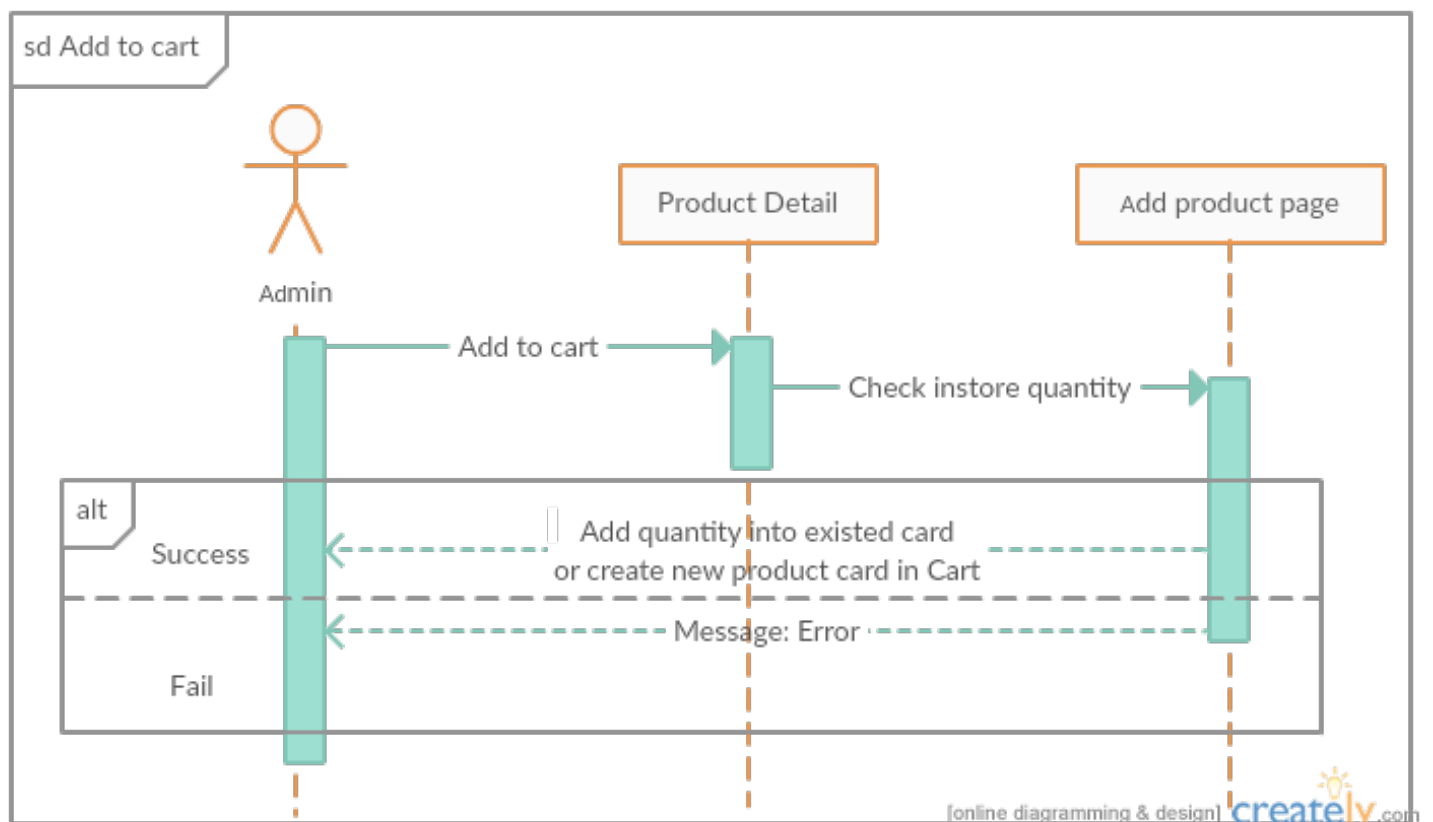
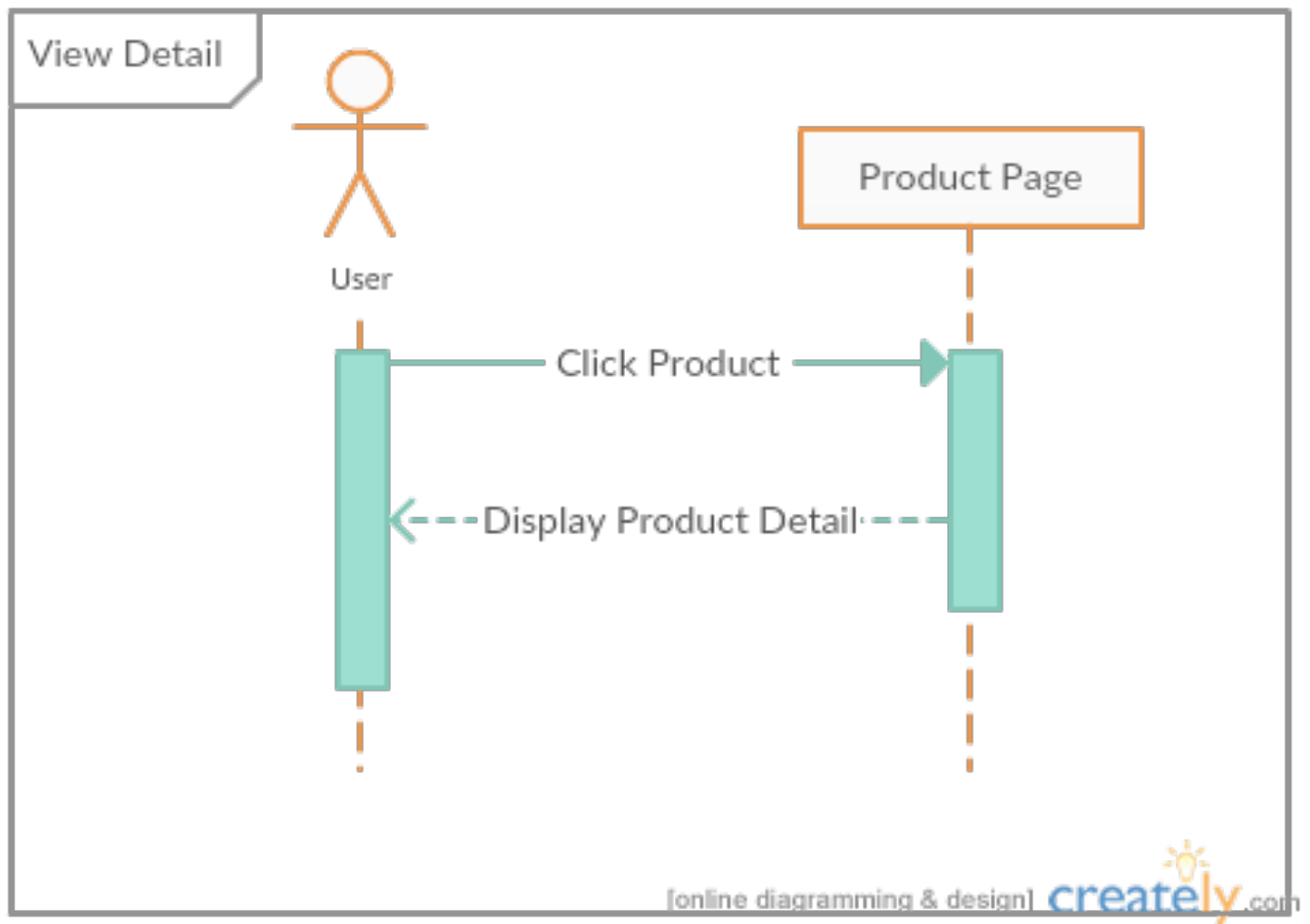


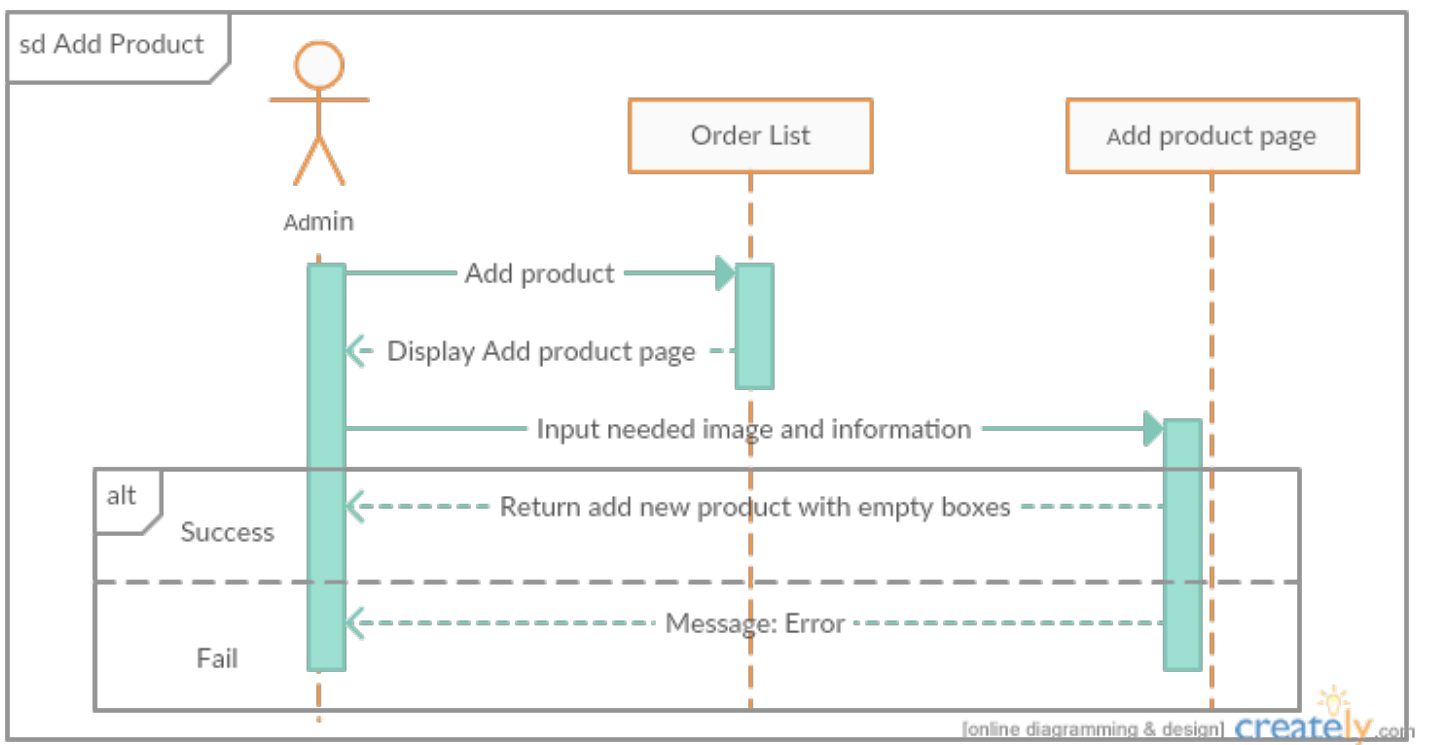
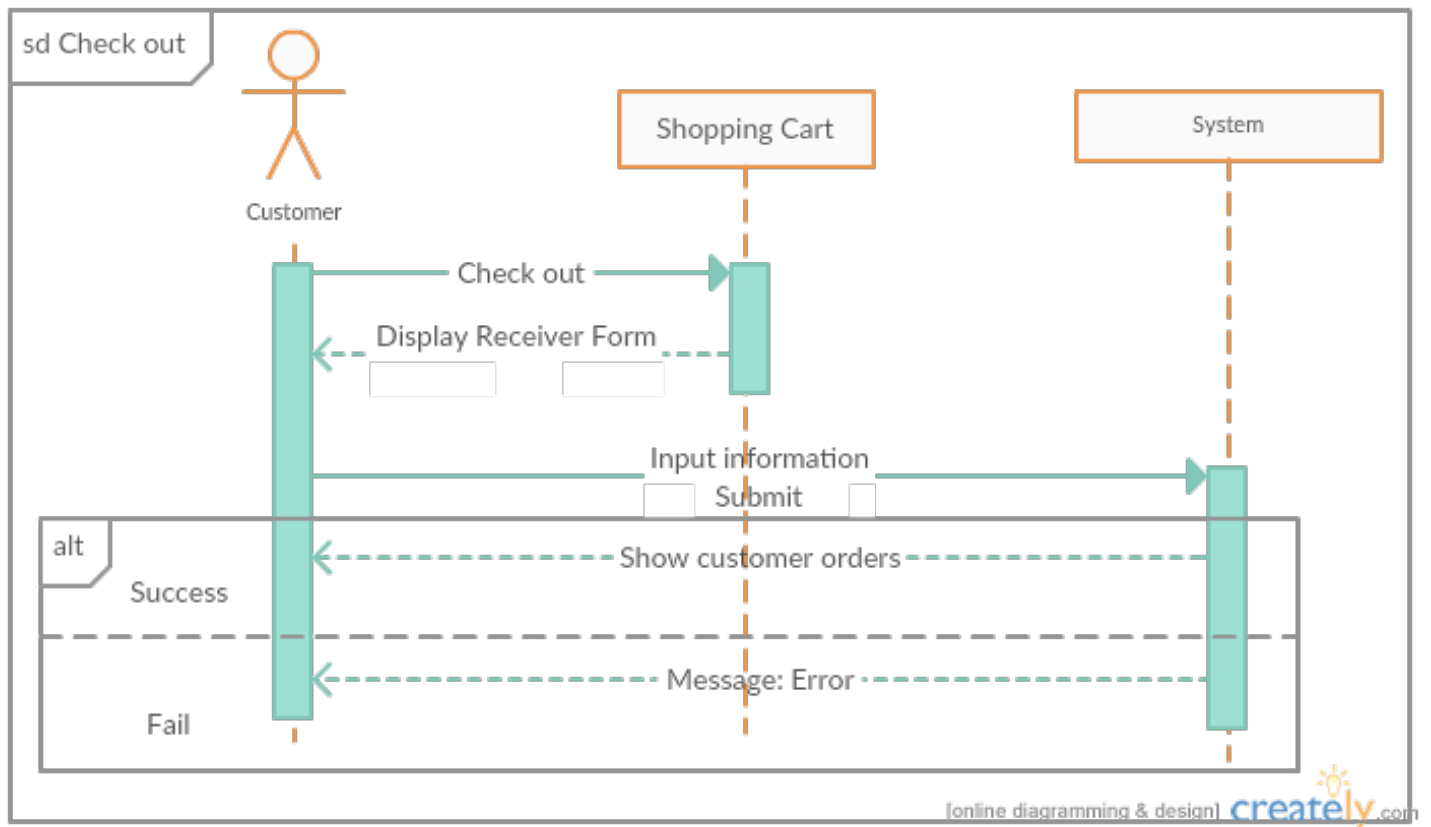
## 2. Class diagram



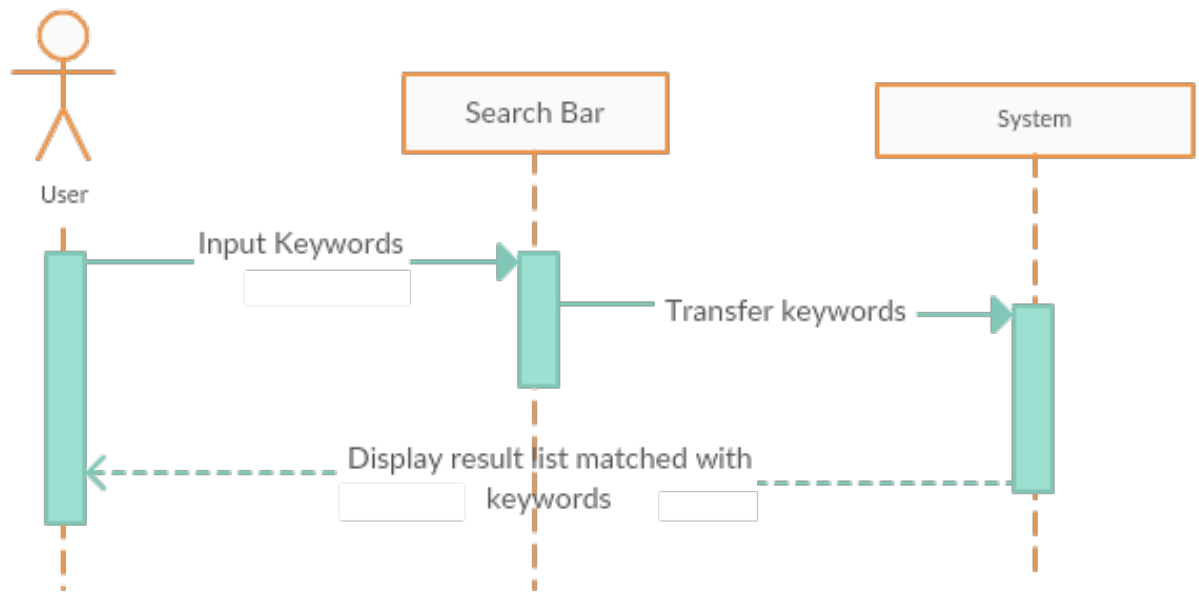
### 3. Sequence diagram







## Search



### III. TESTING

- All pages:

Test case	Feature	Description	Step to execute	Input	Expected result	Actual result
1	UI	Resize the page and see if the UI is break or not	Resize the page into small and bigger size	Fullscreen, a half of screen, a quarter of the screen, ...	not too different from the fullscreen UI	navigation bar showed incorrectly

- Wish list and cart

Test case	Feature	Description	Step to execute	Input	Expected result	Actual result
1	Delete shoe	Delete shoe from the list	Choose a random shoe and click the delete button	Choose a random shoe and click the delete button	Show all the remaining shoe	Showed all the remaining shoe
2	Delete all shoes	Delete all shoe from the list	Delete shoe repeatedly until no shoe left	NA	Inform the user no shoe in the list	Informed the user no shoe in the list

- Shoe detail page:

Test case	Feature	Description	Step to execute	Input	Expected result	Actual result
1	Add shoes to cart	Check if the shoes are enough or not	The quantity of shoe is more then the number of exist shoe in the storage and click order button	Order quantiry: 6 Number of existst shoe: 5	Show the error message	Showed the error message
2	Comment	Check if the comment field is filled or not	Leave the comment field blank and submit		Show the error message	Showed the error message
3	Add shoe to cart or wish list	Just logged user can do this function	Test by not logged in user and logged user	NA	Not logged user: not showing this function login user: vice versa	Showed correctly

- Register and login pages:

Test case	Feature	Description	Step to execute	Input	Expected result	Actual result
1	Required fields	Check if all the required fields are filled or else inform user an error	Input to some fields and leave the rest of them blank then click the button	1. Leave all field blank 2. Leave one random field 3. Leave 2 random fields	Show an error message to inform the user some fields are not inputted	All cases had informed the error to user
2	Email	To check if the given email is used by another user or not	Input an already-used email and all other required fields then click the button	Admin@admin (admin account)	Show an error message	Showed an error message
3	Email	Check the given input is an email or not	Input an wrong email and all other required fields then click the button	hungabc	Show an error message	Showed an error message
4	Login account	Check if the given account is registered or not	Input an wrong account and log in	Email address: asdf@asd password: 123456	Show an error message	Show an error message

- All order pages:

Test case	Feature	Description	Step to execute	Input	Expected result	Actual result
1	Add shoe to cart	Check if the shoes are enough or not	The quantity of shoe is more then the number of exist shoe in the storage and click order button	Order quantiry: 6 Number of existst shoe: 5	Show the error message	Showed the error message
2	View by selected order	Check if the view are correct or not	Select each line of the box and hit the select button	1. View all orders 2. View delivering orders 3. View completed orders	All case showed correctly	All case showed correctly

- Modify item pages:

Test case	Feature	Description	Step to execute	Input	Expected result	Actual result
1	All fields	Check if the blank field not update and remain the same information	Fill some fields and leave remaining fields blank	NA	Blank fields do not update and keep the same	Run correctly

- Function:

Test case	Feature	Description	Step to execute	Input	Expected result	Actual result
1	Book shoes when add shoe(s) to cart	Check if the shoe(s) are temporary booked or not	Add one type of shoe 2-time, first time has the quantity smaller than the exist shoe, second time has the sum of second time and first time more than the exist shoe	First time: 4 Second time: 3 Exist shoe: 6	Second time report an error message after hit the add to cart button	Run correctly
2	Release booked shoes	Check if the shoe(s) are released after abort the order or not	1. Add the quantity of shoe lower than exist shoe 2. Delete the order 3. Add shoe more the difference of exist shoes and ordered shoe at the first step	Step 1: 4 shoes Exist shoe: 7 shoes Step 3: 5 shoes	All step run without any error	Run correctly