

Online Shopping of Laptop

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• Executive Summary

This Business Requirements Document outlines the requirements for the zero touch based solution project. This project contains both functional and non-functional requirements, how the current process is and what will be the solution for improving customer satisfaction. Two main solutions are provided which is :

- 1) Online Payment
- 2) Schedule and Reschedule delivery dates
- 3) Can see the latest products at discounted price

• Project Description

This project came under act because of the current pandemic situation as customer satisfaction was not fulfilled as well everything was on manual bases. So to make data more accurate and easy to access, customer can adjust their delivery dates as well as easy to do payment this project is implemented. More options are available for the product and are available at discounted prices.

Earlier everything related to dealing with customers was done either over call or in person which starts from ordering the product, payment, delivery of product, tracking, to shipping of the product. Which now will improvise and will become online which increase efficiency of entire process.

• Project Scope

This project involves the solution for the current pandemic situation by converting everything online. So that customers can fulfil their requirements with ease and can be satisfied. As in this project transformation from manual to online is being done. Here are some points which will be accomplished during project.

- 1) Database will be online, which includes from all the information of customersto orders they placed and up to the products are being received by customers.
- 2) Customers can select the product of their choice and add to cart. This also specify numbers of laptops, description of laptop, actual price and offered price available.
- 3) Payment method will be varying as per customers choice. This will be under secured platform so that all the information of customers will be saved.
- 4)They can also select delivery date as per their availability.
- 5) Customers can take membership which will results in different benefits at a time.

6) One can find the latest laptops in the website.

- **In Scope**

The following areas are in scope for this project:

- Scheduling Order
- Online Payment
- Client Credentials
- Offered discounts

- **Out of Scope**

The following areas are out of scope for this project:

- Design
- Rescheduling Order
- Tracking of laptop

- **Business Drivers**

There current system had few downsides and that effected the business sales. Some of the business drivers are:

- Upgrade to newer system
- Improve sales
- Improve efficiency of the system and business
- Customer Satisfaction

- Upgrade to newer system

For the clients to not contact the company neither to take a visit onsite to take a look for laptops. We have made this website from where customer can check all the latest laptops along with the description, which involves color, processor, memory, hard drive, display, weight, actual price and offered discounted price. Through this the client can select different laptops, schedule delivery date and make payments online on the application.

For the business side, this system will make the records easier to maintain, store and change.

- Improve Sales

Through this interactive web application more number of customers can place their order or can make changes to their orders or deliveries, so it will improve the sales of the company many folds. As this website is user friendly so it will be easy for customers to understand and place an order of their choices.

- Improve efficiency of the system and business

Not only the system but the business will also become more efficient as everything will be online. It will be easy to make all the records of the customers details, items which are selling most, items to be stocked, profit earned, delivery dates and the key of success customer satisfaction will be included.

- Current Process

As the current process was like if customer wants to buy a laptop, he/she will visit to the shop. There they will check different laptops sales representative will explain them the details for the same. After that they will do the payment part and they will buy the laptop. Overall current process is more time consuming and not much efficient, but now with the help of website person can select the laptop from anywhere and can do payment and choose the date for delivery of the products.

Earlier everything was done manual now everything will be done over the website and all the records will be saved in the database which is more efficient for business.

- Proposed Process

The process we propose is that the client will have an online website on which he/she can see the variety of laptops. They can check all the information about laptops, can purchase from website which includes online payment. Also from website there are different benefits are available if one takes membership for the same. Customers with membership will be informed if any special offers are available or any new product is launch. Customers can pay online which is done via secure portal and can schedule the date for delivery of laptop.

- Functional Requirements

The application will be easy to understand and navigate so as there is minimum to learn and memorize for the client. They can easily look for different options for the product and can see the detailed description for the same. Also includes online payment, choose the delivery date and can register to become member for the same.

- Priority

The requirements in this document are divided into the following categories:

Value	Rating	Description
1	Critical	This requirement is critical to the success of the project. The project will not be possible without this requirement.
2	High	This requirement is high priority, but the project can be implemented at a bare minimum without this requirement.
3	Medium	This requirement is somewhat important, as it provides some value but the project can proceed without it.
4	Low	This is a low priority requirement, or a “nice to have” feature, if time and cost allow it.
5	Future	This requirement is out of scope for this project, and has been included here for a possible future release.

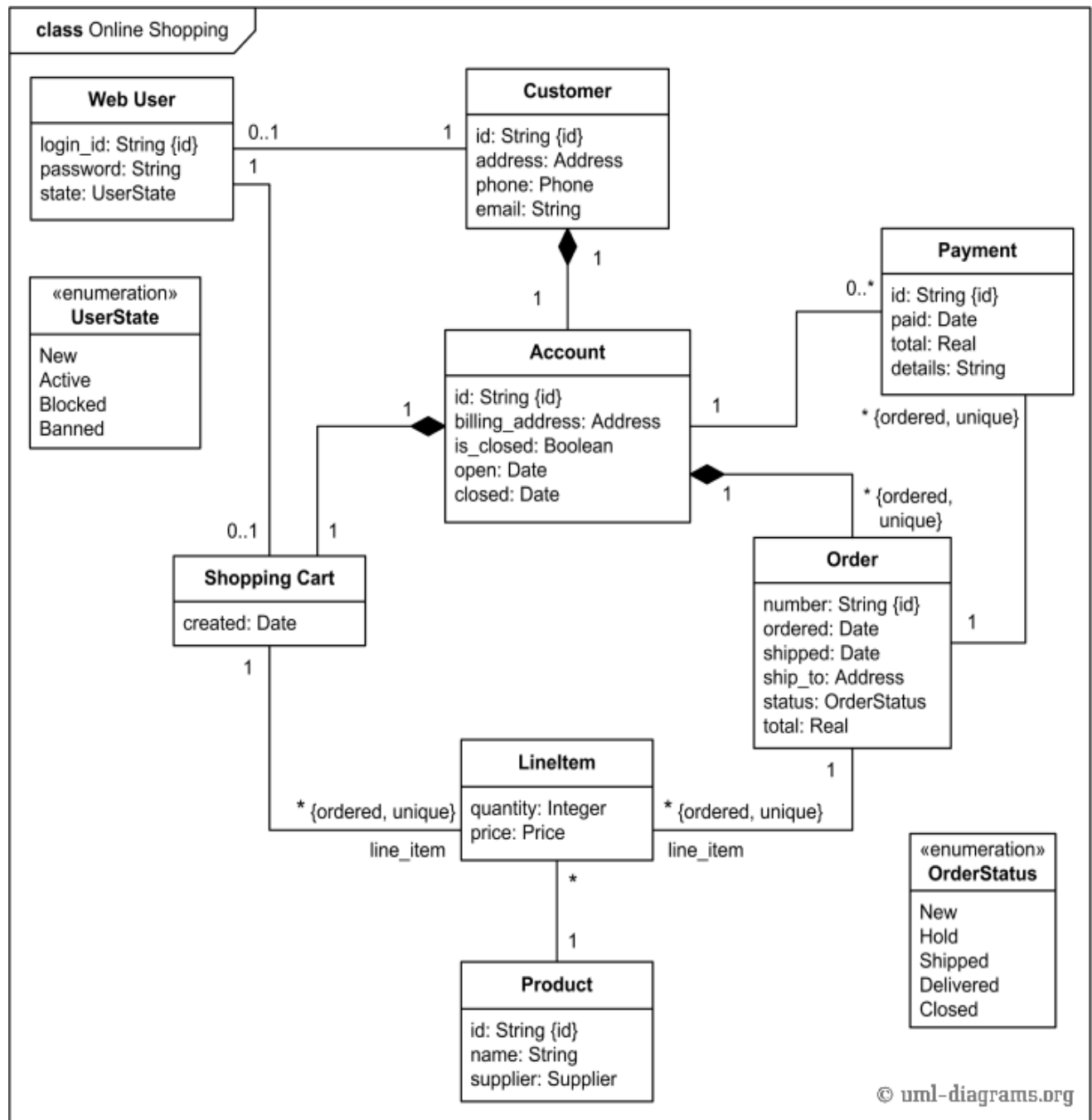
Non-Functional Requirements

ID	Requirement
NFR 1	SSL Certificate
NFR	Performance
NFR	Stability
NFR	Upgrade database
NFR	
NFR	

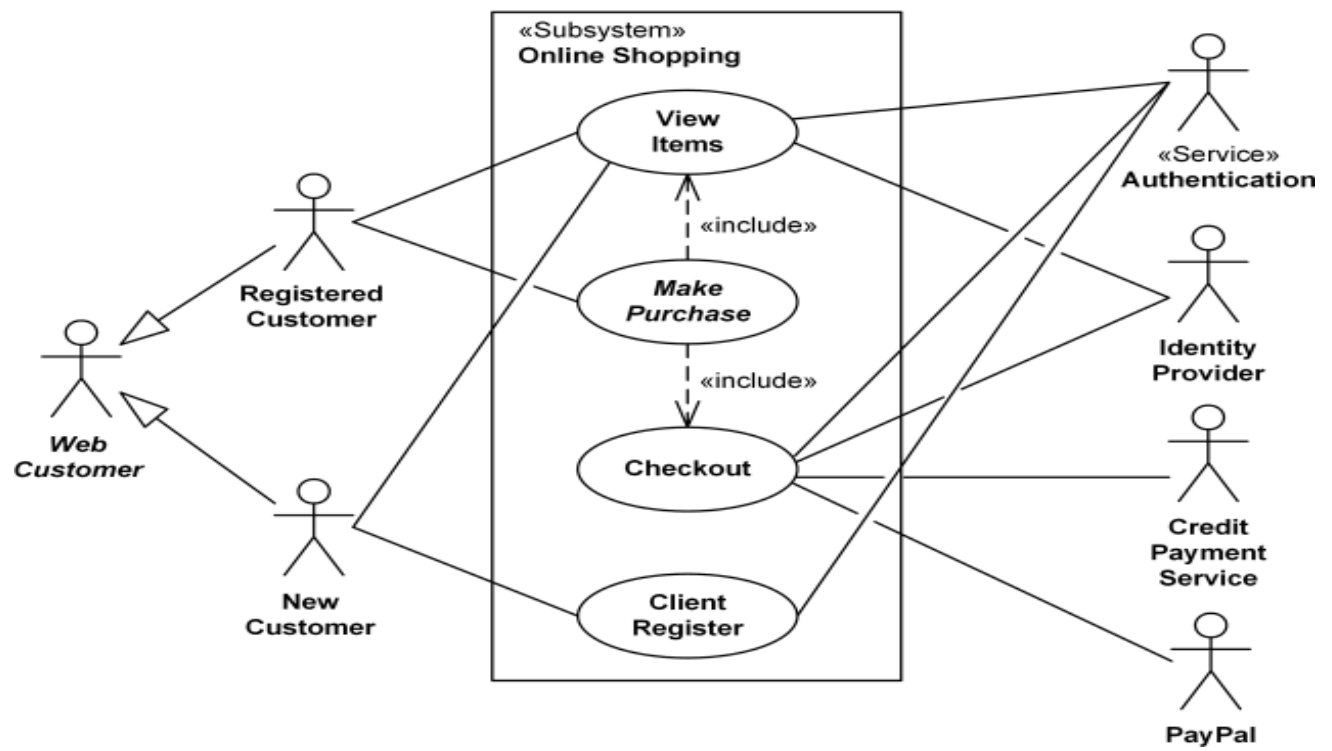
References

Name	Link
TheProjectManager	https://www.dell.com/en-ca/shop/cp/paid-search-splitter?gacd=9683519-3010-5761040-266312346-0&dgc=st&gclid=EAlaIQobChMli_KBxf3J7wIVkYXICh1eHABBEAAYASAAEgKzTfD_BwE&gclid=aw.ds

CLASS DAIGRAM



USE CASE DIAGRAM



TEST CASES

Sr. No.	Log in Functional Test Cases	Type-Negative/Positive Test Case
1	Verify if a user will be able to login with a valid username and valid password.	Positive
2	Verify if a user cannot login with a valid username and an invalid password.	Negative
3	Verify the login page for both, when the field is blank and Submit button is clicked.	Negative
4	Verify the 'Forgot Password' functionality.	Positive
5	Verify the messages for invalid login.	Positive
6	Verify the 'Remember Me' functionality.	Positive
7	Verify if the data in password field is either visible as asterisk or bullet signs.	Positive
8	Verify if a user is able to login with a new password only after he/she has changed the password.	Positive
9	Verify if the login page allows to log in simultaneously with different credentials in a different browser.	Positive
10	Verify if the 'Enter' key of the keyboard is working correctly on the login page.	Positive
Other Test Cases		
11	Verify the time taken to log in with a valid username and password.	Performance & Positive Testing
12	Verify if the font, text color, and color coding of the Login page is as per the standard.	UI Testing & Positive Testing
13	Verify if there is a 'Cancel' button available to erase the entered text.	Usability Testing
14	Verify the login page and all its controls in different browsers	Browser Compatibility & Positive Testing.
Sr. No.	Sign up TEST CASES	
1	Verify the messages for each mandatory field.	

2	Verify if the user cannot proceed without filling all the mandatory fields.
3	Verify if the numbers and special characters are not allowed in the First and Last name.
4	Verify if a user can sign-up successfully with all the mandatory details.
5	Verify if a user can log in with the valid details.
6	Verify if the Password and Confirm Password fields are accepting similar strings only.
7	Verify if duplicate email address will not get assigned.
8	Verify if the sign up done successfully.

CONTACT US TEST CASES

Sr.	TEST
1	Verify the messages for each mandatory field.
2	Ensure that the system accepts valid name.
3	Verify if the user cannot proceed without filling all the mandatory fields.
4	Ensure that the system accepts valid e-mail ids
5	Ensure that the system rejects the invalid name (input:###456456@#).
6	Ensure that the system accepts valid messages. Usually all alphanumeric entries will be accepted. If there is any other specifications like character limits etc, check that as well.
7	Ensure that the spelling and position of the button is correct.
8	Ensure that the button is clickable.

PRODUCT TEST CASES

1. Verify that on the product page, the user can select the desired attribute of the product e.g. size, color, etc.
 2. Verify that the user can add to cart one or more products.
 3. Verify that users can add products to the wishlist.
 4. Verify that the user can buy products added to the cart after signing in to the application (or as per the functionality of the website).
 5. Verify that the user can successfully buy more than one product that was added to his/her cart.
 6. Verify that the user cannot add more than the available inventory of the product.
 7. Verify that the limit to the number of products a user can buy is working correctly by displaying an error message and preventing the user from buying more than the limit.
 8. Verify that the delivery can be declined for the places where shipping is not available.
 9. Verify that the Cash on Delivery option of payment is working fine.
 10. Verify that the different pre-paid methods of payments are working fine.
 11. Verify that product return functionality works fine.
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