

Assignment 1 Cover Sheet**IT1060 – Software Process Modeling****Year 01 Semester II**

PROJECT ID	24/Y1/S2/MTR-13
CASE STUDY NAME	Online Fashion Store
CAMPUS/CENTER	Matara Center

Group Details:

	Student Registration Number	Student Name
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2	IT23344556	Jayawickrama W.T. L
3	IT23189676	Withana N. K
4	IT23215306	R.V.P.P. Nimsara
5	IT23442498	Vidanapathirana L. S

Assignment 1 Cover Sheet

IT1060 – Software Process Modeling

Year 01 Semester II

We hereby certify,






☒ The attached is our own work and no further changes will be made.

☒ We have contributed in this assignment to the best of our ability.

And we understand,

☒ We may be subject to student discipline processes in the event of an act of academic misconduct by us including an act of plagiarism or cheating.

Group Details:

	Student Name	Student Registration Number	Date	Signature
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3	Withana N. K	IT23189676	22/03/2024	
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Introduction

Our online retail emporium offers a unique blend of technology and commerce, transforming the traditional shopping experience. With an extensive selection of products, including fashion, we partner with reputable brands and suppliers to provide high-quality merchandise. Our commitment to quality assurance is evident in every aspect of the shopping experience, from product selection to delivery.

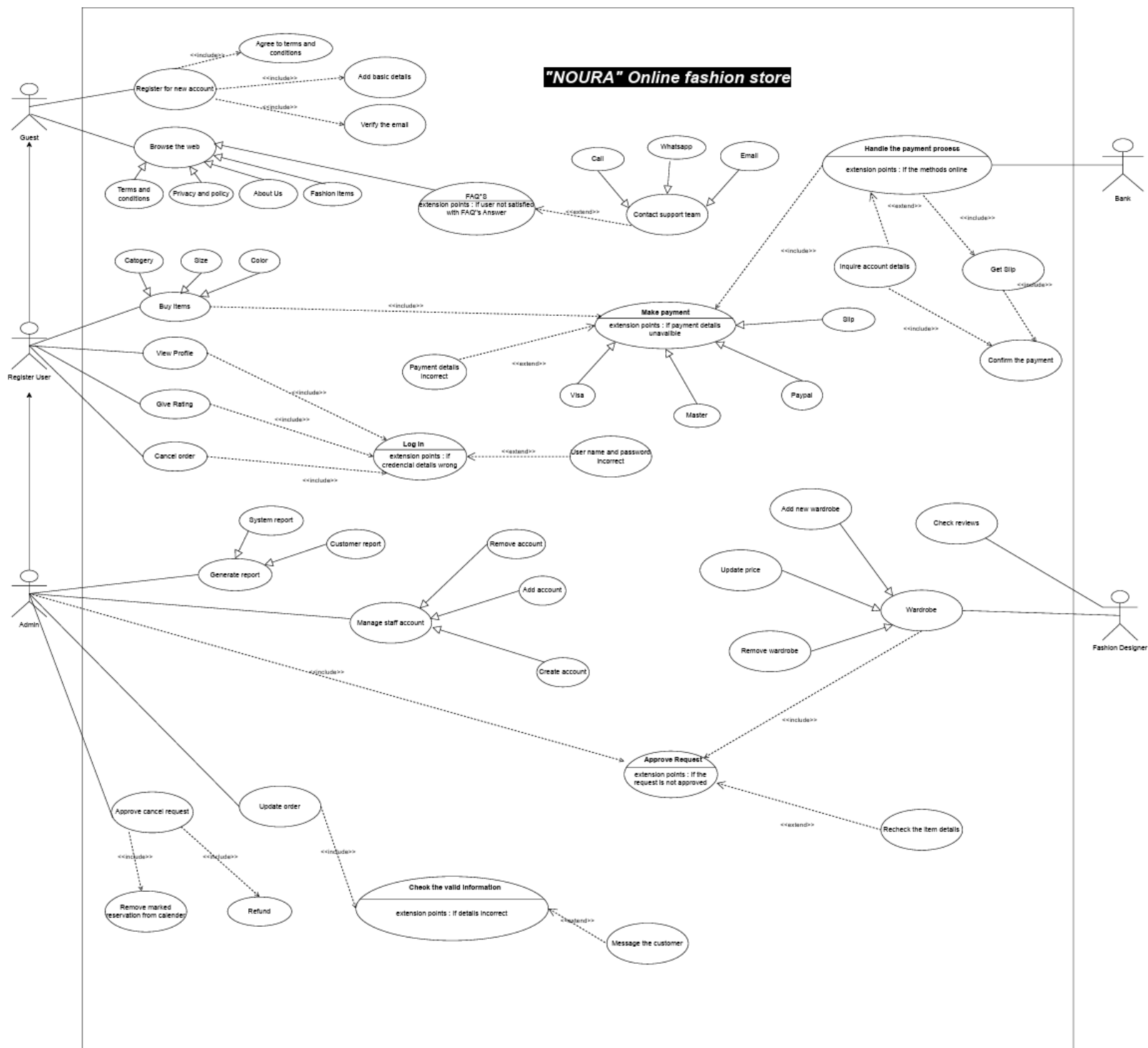
Our team of professionals is dedicated to customer satisfaction, offering personalized assistance and prompt resolution of concerns. We strive to create a seamless shopping journey for every visitor. Our intuitive interface, optimized for various devices and platforms, allows for easy exploration and navigation.

Our commitment to innovation and adaptation is unwavering, as we continuously iterate and refine our offerings to stay ahead of industry trends. As a pioneer in digital retail, we are poised to shape the future of online shopping, pioneering innovative approaches that redefine convenience, accessibility, and consumer empowerment.

Our online shopping store serves as a testament to the transformative potential of technology-driven commerce, offering a superior amalgamation of choice, quality, and customer-centricity. We invite you to a realm where consumer satisfaction transcends boundaries, and the possibilities of digital commerce are boundless.

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Use Case Diagram and Use Case Scenarios



Link : https://drive.google.com/file/d/1BPX-nzXhUosWEkngDiC_Mn5CLux8noNT/view?usp=sharing

Use Case Scenario

Member 1:IT23380196 (Group Leader)

Section 1: New users can create account

Challenge: As first time drawing use case correctly is bit difficult.

Identifying include and extend relationship.

Individual Contribution:

- Worked on the actor – New User.
- Generalized the use case for actor new User.
- Create use case scenarios for,
 - Account creation.

Number	01	
Name	Account Creation.	
Summary	New user creates a user account	
Priority	04	
Pre-condition	<ul style="list-style-type: none">• Need to have an e-mail account which is not pre registered.• Need to have a contact number.	
Post condition	<ul style="list-style-type: none">• Agree to terms and conditions.• Verify the e-mail address	
Primary actor	New User	
Tigger	New user goes to the website	
Main scenario	Step	Action
	1	New user click on sign up button.

	2	System display the registration form and require details from user.
	3	New user fill the registration form.
	4	New user agree to the terms and conditions.
	5	New user submit form by clicking submit button.
	6	System sent verification code to the mail that user entered
	7	system display and require the verification code from new user.
	8	New user enter the verification code and submit.
	9	System display that account creation is successful message.
Extension	5 (a)	If details are incomplete or incorrect, System notify to complete with correct details.
	5(b)	If user entered pre-registered email , Suggest to enter valid email or to sign in.
	8 (a)	If email verification unsuccessful, System display account creation unsuccessful.
	8(b)	Suggest to new user to verify account using different method.
Open issues	System ask if the guest wants to see the customer's feedbacks on website	

Section 2 : New users can browse on the website.

Challenge: As first time drawing use case correctly is bit difficult.

Identifying include and extend relationship.

New user

Individual Contribution:

- Worked on the actor – New User.
- Generalized the use case for actor new User.
- Create use case scenarios for,
 - Browse on the website

Number	02
Name	New user browse on the website.
Summary	New user get better understand about the site.
Priority	04
Pre-condition	<ul style="list-style-type: none">• New user goes to the website.
Post condition	<ul style="list-style-type: none">• If user want to buy an item, user should create an account.• If user want to rate the page, user should create an account.
Primary actor	New User
Tigger	New user check fashion items and offers

Main scenario	Step	Action
	1	New user use filter.
	2	New user check offers.
	3	Check terms and conditions.
	4	Check privacy policy.
	5	Check about us page and get details about fashion store.
	6	New user use FAQ'S service.
Extension	5 (a)	If user not satisfied with the details about the site , Suggest to visit related social media pages of the fashion store.
	5(b)	If user not satisfied with the FAQ'S answers , user contact support team via whatsapp , direct contact or email.

Use Case Scenario

Member 2: IT23189676 (Withana N K)

Individual Contribution:

- Worked on the actor – Register User.
- Generalized the use case for actor Register User.
- Create use case scenarios for,
 - Buy items.

Section: Register users can login to the user accounts, search and buy an item.

Challenge: Identifying the user credentials.

Identifying include and extend relationship.

Number	03
Name	Buy items
Summary	Register User buy an item
Priority	03
Pre-condition	Register User has already browsed and searched items they wish to purchase.
Post condition	The selected items are successfully purchased. Register User received confirmation of purchase.
Primary actor	Register User
Tigger	Register User log into the system and buy an items.

Main scenario	Step	Action
	1	User browses the catalog and selects items they want to purchase.
	2	User proceeds to checkout process.
	3	User verifies shipping address and payment details.
	4	User confirms the purchase and complete the transaction by clicking the “Buy Now” button.
	5	The system processes the payment using the provided payment methods.
	6	Successful payment processing, the system updates the order status to “Confirmed” and generates order confirmation.
	7	The user receives and order confirmation via email.
Extension	1 (a)	The system will display an error message if the user can’t login to the system.
	2 (a)	If the any selected items become out of stock during the checkout process, the system will notify the user.
	5 (a)	If the payment method is card payment (visa/ master) system will encrypt and stores card details.
	5 (b)	If the payment method is paypal, system will retrieve user’s account. Details.
	5 (c)	If the payment method is uploading slip, system will provide guidance on acceptable file formats details.
	6 (a)	If the payment transaction fails, the system will notify the user of the payment failure.
	7(a)	After completing the purchase, the user may have the option to track the status of their order.
Open issues	Should the system ask feedback from the customer	

Use Case Scenario

Member 3: IT 23344556 (Jayawickrama W T L)

Individual Contribution:

- Worked on the actor – System Administrator
- Generalized the use case for actor system administrator.
- Create use case scenarios for,
 - Approves cancel reservations request.

Section: This involves managing user accounts, configuring security settings, and administering them effectively.

Challenge: Understanding and discerning the relationship between actors and their use case is challenging due to the complexity involved.

Number	04
Name	Cancel reservation
Summary	The administrator had been notified about the canceled reservation.
Priority	01
Pre-condition	The administrator has logged into the system dashboard.
Post condition	The administrator can perform additional tasks from the dashboard.
Primary actor	System Administrator
Tigger	The administrator approves the cancellation request for reservations.

Main scenario	Step	Action
	1	The administrator has initiated the cancellation of request.
	2	The system displays a list of pending cancelation requests.
	3	The administrator has decided to cancel the selected reservation.
	4	The administrator generates reports detailing the cancelled reservation.
Extension	2 (a)	The system will notify users if they do not cancel their reservation request.
	3 (a)	The system automatically adjusts the reservation status upon cancellation and promptly informs all relevant stakeholders.
	4 (a)	The reports are archived for record keeping and may not be used for further analysis or auditing.
Open issues	The question is whether it is necessary for the system to inform the client when their reservation is canceled.	

Individual Contribution:

- Worked on the actor – System Administrator
- Generalized the use case for actor system administrator.
- Create use case scenarios for,
 - Add Staff Account.

Section: To add staff members, create new user accounts, configure security settings, and manage their access privileges within the system effectively.

Challenge: The intricate process of identifying and analyzing the relationship between new staff members and their specific use cases can be challenging.

Number	05	
Name	Add staff account	
Summary	The administrator will create a new account for the staff.	
Priority	01	
Pre-condition	The administrator has logged into the system dashboard.	
Post condition	The administrator has the ability to add or update a specific account.	
Primary actor	System Administrator	
Tigger	The administrator selects the “add staff account” button.	
Main scenario	Step	Action
	1	The administrator clicks on the add staff button.

	2	The administrator will provide the necessary information and create a staff ID for the individual.
	3	The administrator has successfully registered.
	4	The system will display a message indicating that a new user has successfully registered onto the staff.
Extension	3 (a)	The system will display an error message if any errors occur during the validation process.
	4 (a)	The system will display “Registration Unsuccessful” if there is a duplication of the entered staff ID with the existing staff ID.
Open issues	The system should notify the individual that they have been registered as a staff member.	

Use Case Scenario

Member 4: IT23215306 (R.V.P.P. Nimsara)

Individual Contribution:

- Worked on the actor – Bank.
- Generalized the use case for actor bank.
- Create use case scenario for,
 - Authorized or decline the payment.

Section: The task involves managing the payment process.

Challenge: The process of comprehending and identifying the connections between actors and the use cases can be a complex task.

Number	06	
Name	Validate the payment.	
Summary	Receipt and allocation of monetary resources.	
Priority	05	
Pre-condition	<ul style="list-style-type: none">• The consumer has chosen a selection of items.• The client has opted for bank transfer as the method of payment.	
Post- condition	The administrator has the power to add or modify a new account.	
Primary actor	Bank	
Tigger	Authorized or declined the payment.	
Main scenario	step	Action
	1.	The client inputs their bank information.
	2.	The customer validates the transaction.

	3.	The financial institution acknowledges the transaction details and verifies the availability of funds in the client's account.
	4.	The bank executes the transaction.
	5.	The bank dispatches a transaction confirmation.
	6.	The system furnishes booking confirmation to the customer.
Extension	Step	Branching Action
	1(a)	In the event of inaccurate bank details, the system displays an error message and prompts the user to re-enter the correct information.
	3(a)	If insufficient funds are detected in the account, the system generates an error message and redirects the user to input an alternative payment method.
Open issues	The system inquires whether the customer desires to receive an email confirmation.	

Use Case Scenario

Member 5: IT23442498 (Vidanapathirana L S)

Individual Contribution:

- Worked on the actor – Fashion Designer
- Generalized the use case for actor fashion designer.
- Create use case scenarios for,
 - Add wardrobes.

Section: The fashion designer can create and manage new clothing items within their collection.

Challenge: Curating and integrating new wardrobe pieces seamlessly into the existing collection.

Number	07	
Name	Add wardrobes	
Summary	The administrator receives the notifications regarding approvals.	
Priority	02	
Pre-condition	The fashion designer has access to the design platform or system. The designer has appropriate permission to add new wardrobe items.	
Post condition	The item is accessible and visible within the design platform.	
Primary actor	Fashion Designer	
Tigger	The fashion designer decides to introduce a new wardrobe.	
Main scenario	Step	Action
	1	The fashion designer logs into the system and navigates to the “Add wardrobe” section.
	2	The fashion designer fills out the required details for the new wardrobe.

	3	The fashion designer submits the request for approval to the admin.
	4	The fashion designer receives notification of the admin's decision.
Extension	4 (a)	If the admin rejects the request, the fashion designer may revise the details and resubmit the request for approval.
	4 (b)	If you admin approves the request, the fashion designer may proceed with utilizing the newly added wardrobe in their fashion designs.
Open issues	How to handle the different clothing categories.	

BSc (Hons) in Information Technology

Assignment I - Marking Scheme

IT1060 - Software Process Modeling

Group Number:

Case Study Topic:

<i>Use Case Diagram</i>	<i>Max. Mark</i>	<i>IT Number-..</i>	<i>IT Number-..</i>	<i>IT Number-..</i>	<i>IT Number-..</i>	<i>IT Number-..</i>
1. Main use cases (at least 10)	25 Marks					
2. Actors and Actor Generalization	10 Marks					
3. Relationships between use cases (at least 5 each) a. Include -.. 5 Marks b. Extend -.. 10 Marks c. Generalization -.. 10Marks	25 Marks					
4. Creative thinking	5 Marks					
5. Accuracy and Completeness – (System name, boundary etc.)	5 Marks					
6. Contribution to use case diagram (Individual Mark) • Each member should comment on a) Section worked on b) Special contributions c) Challenges faced	10 Marks					
Sub Total Marks						
Comments						

BSc (Hons) in Information Technology

Assignment I - Marking Scheme

IT1060 - Software Process Modeling

<i>Use Case Scenario (Individual Mark)</i>		<i>IT Number-01</i>	<i>IT Number-02</i>	<i>IT Number-03</i>	<i>IT Number-04</i>	<i>IT Number-05</i>
7. Use case ID, Use case Name, Primary actor Pre-conditions and Post-conditions	5 Marks					
8. Main Success Scenario	10 Marks					
9. Extensions	5 Marks					
Sub Total Marks						
Comments						
Total	100 Marks					

A Group mark will be assigned for sections 1 to 5.