Assignment 1 Cover Sheet

IT1060 – Software Process Modeling   **2021 February**

PROJECT ID	MLB_02.02_12
CASE STUDY NAME	Tourism and Travel Management System
CAMPUS/CENTER	Sri Lanka Institute of Information technology-Malabe

Group Details:

	Student Registration Number	Student Name
1	IT20636524	P.P.S. Ariyasena
2	IT20643836	B.M.N.D.S. Ariyarathna
3	IT20636692	L.A.M.D.Perera
4	IT20640620	I.P.S.U.Priyashan
5	IT20636906	H.I.M.Samaranayaka

Assignment 1 Certify Sheet

IT1060 – Software Process Modeling   **2021 February**

We hereby certify,

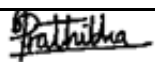☑   The attached is our own work and no further changes will be made.
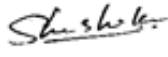
☑   We have contributed in this assignment to the best of our ability.

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
1	P.P.S. Ariyasena	IT20636524		*signature*
2	B.M.N.D.S. Ariyarathna	IT20643836		*signature*
3	L.A.M.D.Perera	IT20636692		*signature*
4	I.P.S.U.Priyashan	IT20640620		*signature*
5	H.I.M.Samaranayaka	IT20636906		*signature*

Assignment I – Marking Scheme

IT1060 – Software Process Modeling 2021 February
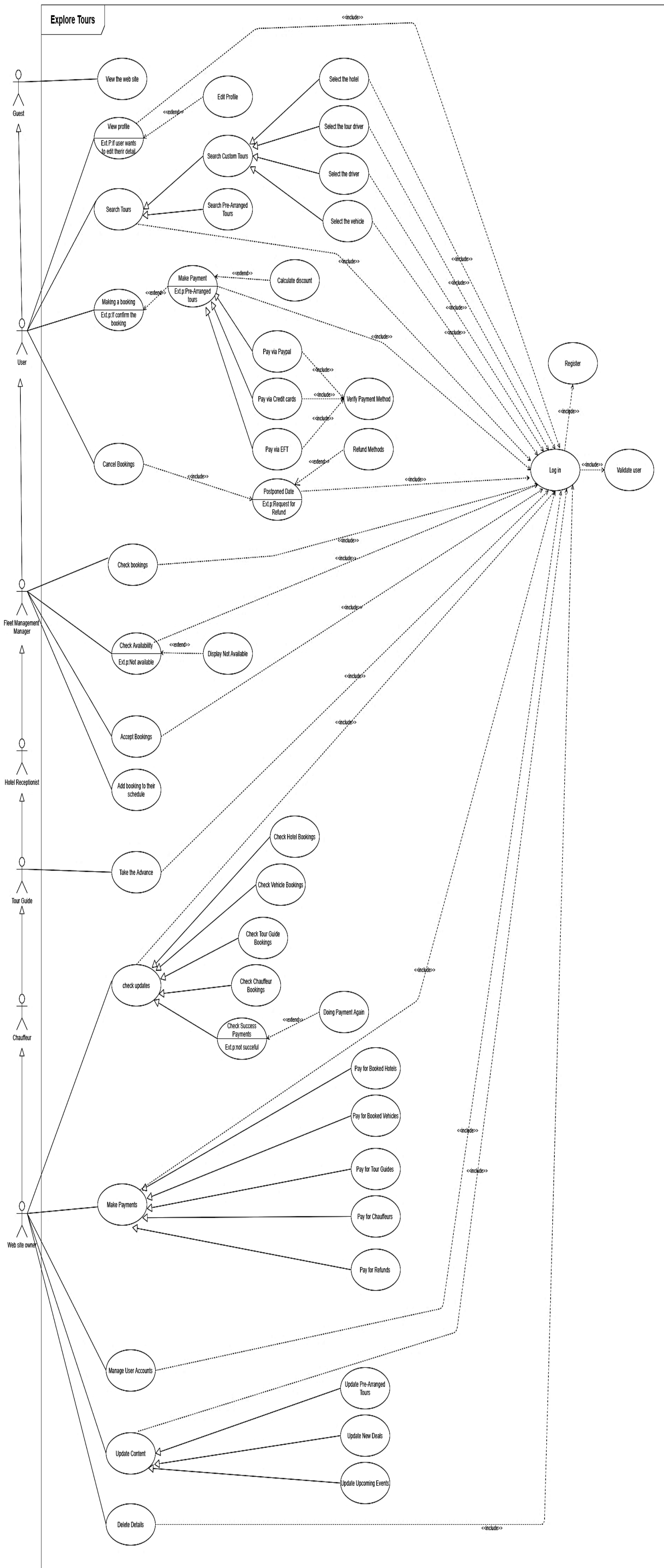
Group Number: MLB_02.02_12   **Case Study Topic:** Tourism and Travel Management System.

Use Case Diagram	Max. Mark	IT20636524	IT20643836	IT20636692	IT20640620	IT20636906
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						

Use Case Scenario (Individual Mark)		IT20636524	IT20643836	IT20636692	IT20640620	IT20636906
7. Use case ID, Use case Name, Primary actor Preconditions and Post-conditions	5 Marks					
8. Main Success Scenario	10 Marks					
9. Extensions	5 Marks					
Sub Total Marks						
Comments						
Total	100 Marks					

Use Case Diagram

Use Case Diagram

Use Case Scenarios

Use Case Id	001	
Use Case Name	View the website	
Summary	View the content of the site	
Pre-Condition	Landing to the web site	
Post-Condition	Count the ratings (like, share), Save feedbacks to system	
Primary Actor	Guest	
Secondary actor	User	
Main Success Scenario	**Step**	**Action**
	1	Landing on the web site
	2	View the content
	3	Rating the content
Extensions	**Step**	**Branching Action**
	3a	If customers like the tours we provide then can like, share
Open issue	System ask for if there any feedback about the tours or the content?	

Use Case Id	002	
Use Case Name	View the profile	
Summary	A user when register to the site then he/she can view their profile.	
Pre-Condition	Should be a registered user, validate user	
Post-Condition	User receives a email that their profile updated.	
Primary Actor	User	
Secondary Actors	Fleet manage manager, Hotel Receptionist, Chauffeur, Tour Guide, Web Site Owner	
Main Success Scenario	Step	Action
	1	Log into the site.
	2	Click my profile button.
	3	View the profile details
	4	Press the ok button
Extensions	Step	Branching Action
	1	If user Forgets user name or password
	1a	Can press on "Forgotten your username or password?"
	1b	Then answer for verification questions.
	1c	Get username password via email.
	2a	If user wants to change any detail then can edit their profile
Open issue	Should the system ask if user wants username, password via email	

Use Case Id	003	
Use Case Name	Search tours	
Summary	Search available tours in the web site	
Pre-Condition	Should be a registered user, Validate user	
Post-Condition	Selected tour store in system	
Primary Actor	User	
Main Success Scenario	Step	Action
	1	Select search tours bar
	2	Select custom tour or pre-arranged tour
	3	View the content
	4	Select the preferred tour
Extensions	Step	Branching Action
	4.1	If user selects pre-arranged tours
	a	display pre-arranged tour list.
	b	Select preferred tour from list.
	4.2	If user selects custom tour
	a	Select the preferred hotel
	b	Select the preferred tour guide
	c	Select the preferred driver
	d	Select the preferred vehicle
Open issue	System should ask do you want to make any changes?	

Use Case ID	004	
Use Case Name	Making a booking	
Summary	Payment can be made through credit cards or EFTs and Discount can be received for pre-arranged tours	
Pre-Condition	User has access to the system	
Post-Condition	User has made payment and received an email	
Primary Actor	User	
Main Successful Scenario	**Step**	**Action**
	1	User login to the system
	2	Include :: (Search tours)
	3	Click on book now button
	4	Make payment via credit cards or EFTs
	5	User confirm the payment
	6	The system verifies the payment and confirm the booking
Extensions	**Step**	**Branching Action**
	4.1	If the user has another payment method
		a. Referral to the website owner
	4.2	If user selected pre-arranged tour as a tour package
		a. System calculates the discount
	6a	If user's account balance is insufficient, system displays an error message
Open issue	1	Should the system ask if user needs confirmation email regarding payments?

Use Case ID	005	
Use Case Name	Cancel bookings	
Summary	User postponing booking or cancelling the booking and request a refund	
Pre-Condition	Should have booked a tour and made the payment	
Post-Condition	User can cancel the tour and claim the solution offered by the system	
Primary Actor	User	
Main Successful Scenario	**Step**	**Action**
	1	User Login to the system
	2	Click on the reservation tab
	3	View current reservations
	4	Click cancel booking button
	5	System asks to postpone the tour and cancel the tour
	7	User gives the reason for cancelling the bookings
	8	System Confirm cancellation
Extensions	**Step**	**Branching Action**
	5a	If user request a refund system ask the refund method
Open issues	1	System should replace the time table

User Case ID	006	
User Case Name	Check bookings	
Summery	Check for new bookings	
Pre-Condition	Log in to the account, Validate user	
Post-Condition		
Primary Actor	Fleet management manager	
Secondary actor	Hotel receptionist	
Main Success Scenario	**Step**	**Action**
	1	Log in to the system
	2	Check for new request and bookings
	3	Decide what bookings should accept
Extensions	**Step**	**Branching Action**
	3	If have another appointment
	3a	Then reject the request

User Case ID	007		
User Case Name	Check availability		
Summery	check for availability for vehicles and rooms.		
Pre-Condition	Log in to the account, Validate user		
Post-Condition			
Primary Actor	Fleet management manager		
Secondary Actor	Hotel receptionist		
Main Success Scenario	**Step**	**Action**	
	1	Log in to the system	
	3	Include :: (check bookings)	
	4	Check availability of vehicles or room	
	5	Reserve vehicle or room	
Extensions	**Step**	**Branching Action**	
	1	If vehicle or room is not available	
	1a	Display massage that "Not available"	

User Case ID	008	
User Case Name	Accept bookings	
Summery	Accept the	
Pre-Condition	Log in to the account, Validate user	
Post-Condition	Accept new bookings	
Primary Actor	Fleet manager	
Secondary Actors	Hotel receptionist, Tour guide, Chauffeur	
Main Success Scenario	Step	Action
	1	Log in to the system
	2	Include :: (Check bookings)
	3	Include :: (Check availability)
	4	Confirm booking
	5	Display successful massage
Extensions	Step	Branching Action
	4	If accept the booking
	4a	A massage sent to the user that the booking was accepted.

Use Case ID	009	
Use Case Name	Add bookings to their schedule	
Summary	Scheduled the tours that all accepted tours in one page	
Pre-Condition	Should login to the system	
Post-Condition	Display a message that successfully scheduled	
Primary Actor	Fleet management manager	
Secondary Actors	Hotel receptionist, Tour guide, Chauffeur	
Main Successful Scenario	**Step**	**Action**
	1	User Login to the system
	2	Include :: (Accept bookings)
	3	Add the accepted tours in to the Schedule
	4	Display a message "successfully scheduled the tours"
	5	View the schedule
	6	Back to home page
Extensions	**Step**	**Branching Action**
	3a	If customer cancel the booking, system remove the that tour from the schedule

User Case ID	010	
User Case Name	Take the advance	
Summery	Check the payments	
Pre-Condition	Should be a registered user, Validate user	
Post-Condition	transmission success email	
Primary Actor	Tour Guide	
Secondary Actor	Chauffeur	
Main Success Scenario	Step	Action
	1	Check new tours
	2	Take the advance
Extensions	2	if user not get the advance
	2a	send a message to web site owner

User Case ID	011
User Case Name	Check updates
Summery	Check all the updates
Pre-Condition	Log into the Admin account, validate user
Post-Condition	
Primary Actor	Website owner

Main Success Scenario	Step	Action
	1	Log in to the system
	2	Check hotel bookings
	3	Check vehicle bookings
	4	Check tour guide bookings
	5	Check chauffeur bookings
	6	Check success payments

Extensions	Step	Branching Action
	6	If not successful payments
	6a	Doing payment again

User Case ID	012	
User Case Name	Make payments	
Summery	Pay all the payments	
Pre-Condition	Log into the Admin account, validate user	
Post-Condition	Receive payment successful messages	
Primary Actor	Website owner	
Main Success Scenario	Step	Action
	1	Log into the admin account
	2	Pay for booked hotels
	3	Pay for booked vehicles
	4	Pay for tour guides
	5	Pay for chauffeurs
	6	Pay for refunds
	7	Confirm payments

Use Case ID	013	
Use Case Name	Manage user accounts	
Summary	Manage user account details	
Pre-Condition	Log into the Admin account, validate user	
Post-Condition	Manage account information	
Primary Actor	Website owner	
Main Success Scenario	Step	Action
	1	Log into the admin account
	2	Check for new requests
	3	Update new tour guide in the website
	4	Update new driver information in the website
	5	Update user's account information
	6	Remove blacklist users from the system
Extensions	Step	Branching Action
	1a	If user input invalid login details
	6	If user recover as blacklist user
	6a	Disable access to the website

Use Case ID	014	
Use Case Name	Update content	
Summary	Display the upcoming events, tours and deals	
Pre-Condition	Log into the Admin account, validate user	
Post-Condition	Update the content to the website	
Primary Actor	Website owner	
Main Success Scenario	Step	Action
	1	Log in to the admin account
	2	Add photos, videos of the tours
	3	Add new events, tour details and deals
	4	Add new vehicle details
	5	Add new hotel details
Extensions	Step	Branching Action
	1	If user input invalid login details
	1a	Display error massage
	1b	And ask to re-enter details

Use Case ID	015	
Use Case Name	Delete details	
Summary	Delete unwanted details	
Pre-Condition	Log into the Admin account, validate user	
Post-Condition	Manage the details in the website	
Primary Actor	Website owner	
Main Success Scenario	Step	Action
	1	Log into the system
	2	Check the user accounts
	3	Decide the what information need to be removed
	4	Check the passed events and the other contents
	5	Remove all outdated events, tours, deals from the website
Extension	Step	Branching Action
	1	If user input invalid login details
	1a	Display error massage
	1b	And ask to re-enter the details
	2	If user ask to delete their accounts
	2a	Delete that details from the system

Individual Contribution

❖**P.P.S. Ariyasena (IT20636524)**

➢Section worked on-
- Draw the diagram
- Use case scenario 01
- Use case scenario 02
- Use case scenario 03

➢Challenges faced-
- Communication with team members
- Time management
- Gather requirements

➢Special contribution-
- Find actors and functionalities

❖**B.M.N.D.S. Ariyarathna (IT20643836)**

➢Section worked on-
- Use case scenario 04
- Use case scenario 05
- Use case scenario 09

➢Challenges faced-
- Communication with team members
- Time management
- Gather requirements

➢Special contribution-
- Find actors and functionalities

❖**L.A.M.D.Perera(IT20636692)**

➢Section worked on-
- Use case scenario 06
- Use case scenario 07
- Use case scenario 08

➢Challenges faced-
- Communication with team members
- Time management
- Gather requirements

➢Special contribution-
- Find actors and functionalities

❖**I.P.S.U.Priyashan(IT20640620)**

➢Section worked on-
- Use case scenario 10
- Use case scenario 11
- Use case scenario 12

➢Challenges faced-
- Communication with team members
- Time management
- Gather requirements

➢Special contribution-
- Find actors and functionalities

❖**H.I.M.Samaranayaka(IT20636906)**

➢Section worked on-
- Use case scenario 13
- Use case scenario 14
- Use case scenario 15

➢Challenges faced-
- Communication with team members
- Time management
- Gather requirements

➢Special contribution-
- Find actors and functionalities