

BOOKIT - PHASE 2

PROJECT

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1. TEAM

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2. PROJECT NAME

BookIT

3. PROJECT SUMMARY

BookIT is a one stop destination for all your entertainment ticketing needs from concert tickets to NFL game tickets. You can also host your own event and send invites to your guest. When booking a group ticket for an event, you can also split the bill and send it to group members.

4. PROJECT REQUIREMENTS

User Requirements

ID	Requirements	Topic Area	User	Priority
UR-001	User should be able to create an account	Authentication	User	Medium
UR-002	User should be able to login into his account	Authentication	User	High
UR-003	As a user I should be able to update my profile	Profile	Customer, Event Manager	High
UR-004	As a user I should be able to search for events based on some criteria	Search	Customer	High
UR-005	As a user I should be able to view the details of the event I am interested in	View Event	Customer	High
UR-006	As a user I should be able add events to my wishlist	Wishlist	Customer	Medium
UR-007	As a user I should be able to book tickets for the events I am interested in	Booking	Customer	High
UR-008	As a user I should be able to view my booking history	View History	Customer	Medium
UR-009	As a user I should be able to cancel my	Cancellation	Customer	High

	tickets			
UR-010	As an Event Manager I should be able to signup and login	Authentication	Event Manager	Medium
UR-011	As an Event Manager I should be able to add events along with the event information	Add Events	Event Manager	High
UR-012	As an Event Manager I should be able to update details of an event	Update Events	Event Manager	Medium
UR-013	As an Event Manager I should be able to view the bookings so far	View Bookings	Event Manager	Medium
UR-014	As an Admin I should be able to login	Authentication	Admin	Medium
UR-015	As an Admin I should be able to approve the event manager	Approval	Admin	High

Business Requirements

No Business requirement for this project.

Functional Requirements

ID	Requirements	Topic Area	User	Priority
FR-001	A verification email should be sent to the user when they sign up	Login	User, Event Manager	High
FR-002	A link to reset password should be mailed registered email ID if the user forgets his password	Authentication	All	Medium
FR-003	A notification email should be sent to the user when a booking is successful	Booking	User	High
FR-004	A notification email should be sent to the user when there is a change in the event information	Event Update	User	High
FR-005	A notification email should be sent to the user upon successful cancellation	Cancellation	User	High

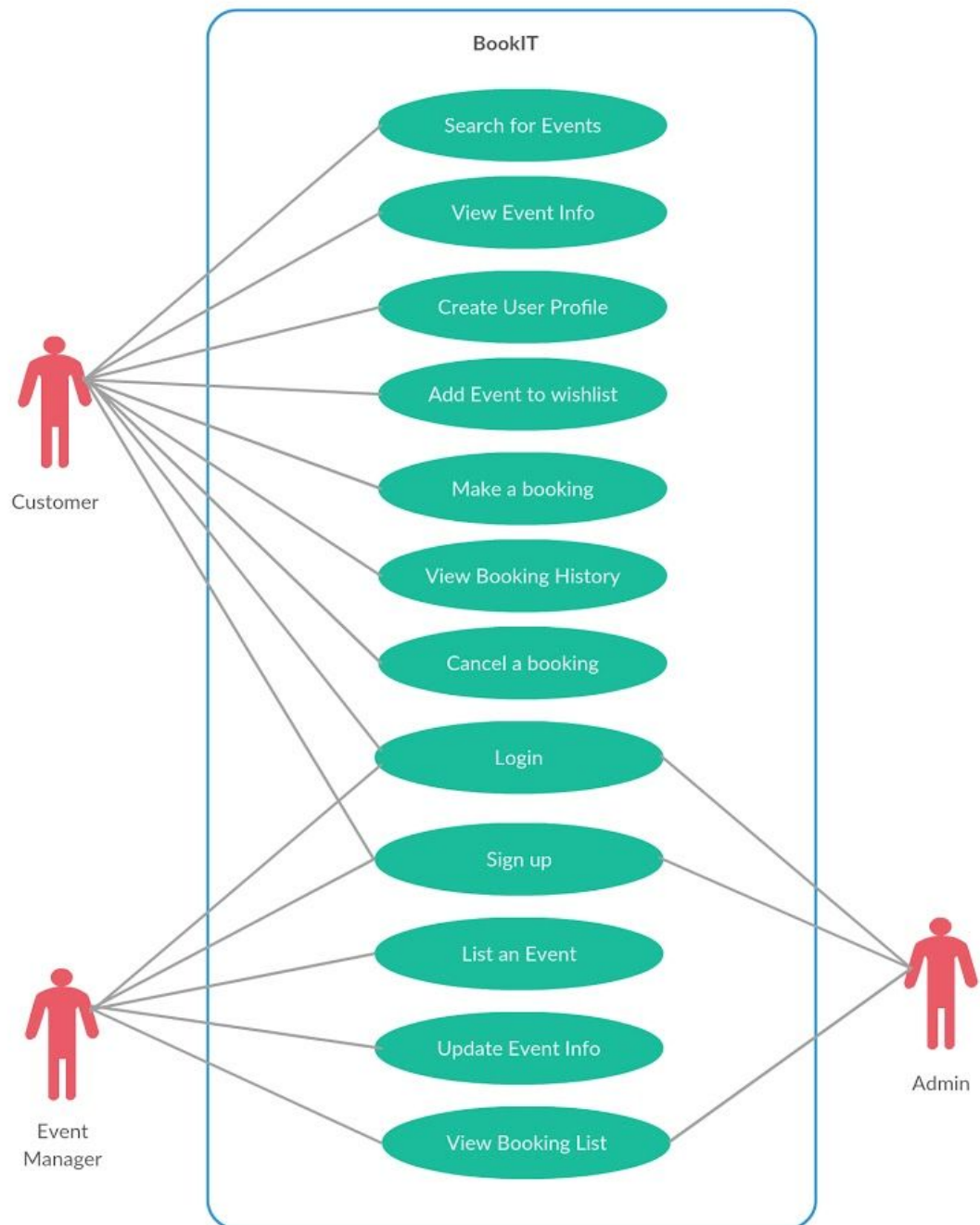
FR-006	A notification email should be sent to the user if any event in the user's wish list is approaching or is going to run out of tickets	Wishlist	User	Medium
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Non- Functional Requirements

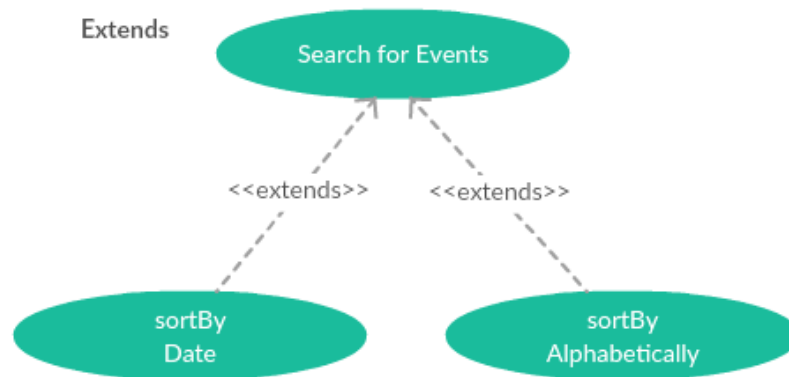
ID	Requirements	Topic Area	User	Priority
NFR-001	Double booking should be handled in an appropriate manner	Reliability	User	High
NFR-002	User account information must be stored in a secure manner	Security	All	High
NFR-003	All user searches must be logged	Search	User	Low

5.USE CASES

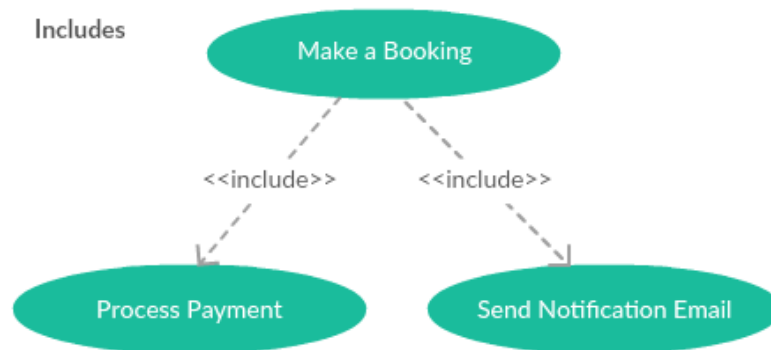
Use case Diagrams



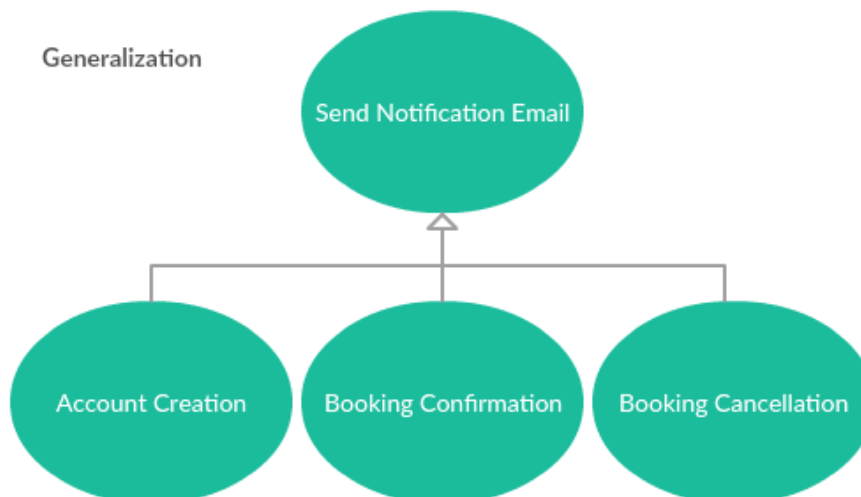
Extends



Includes



Generalization



USE CASE DOCUMENTATION

Use Case ID	UR - 001	
Use Case Name	Account Creation	
Description	User should be able to create an account	
Actors	Customer, Admin , Event Manager	
Pre-Conditions	Enough space in DB. The provided information is in valid format. No pre existing account with the same email id.	
Post-Conditions	A user account is created with all the information provided while registering	
Frequency	Often	
Flow of Events	Actor Action	System Response
	User clicks on the sign up button and enters the, a)User name b)Email ID c)Password	System verifies, a)Valid email id and password b)It does not already exist in the DB
		Next system, a)Hashes password b)Creates an account for the user. c)Sends a verification mail to the user.
Variations		
Notes and Issues		
Developer Notes		

Use Case ID	UR - 002
Use Case Name	Login

Description	User should be able to login into his account	
Actors	Customer, Admin , Event Manager	
Pre-Conditions	User already has an account User already verified his email id.	
Post-Conditions	A view of the respective user’s profile is shown	
Frequency	Often	
Flow of Events	Actor Action	System Response
	User clicks on the login button and enters the, a)User name or Email ID b>Password	System verifies by querying the DB and matching the password.
		Displays the user’s homepage
Variations	Incorrect password	
Notes and Issues		
Developer Notes		

Use Case ID	UR - 003	
Use Case Name	Update Profile	
Description	User should be able to update his account	
Actors	Customer, Admin , Event Manager	
Pre-Conditions	User should already have an account User should already be logged into the system	
Post-Conditions	User’s profile should be updated with the respective details	
Frequency	Often	
Flow of Events	Actor Action	System Response

	User clicks on the update profile button	System opens the dialog box to update the profile
	Once the dialog box is open, user enters the details to be changed	System checks the information provided and updates the appropriate fields
Variations		
Notes and Issues	If email id is changed, send verification mail again. Modifying the profile, while some other user is viewing it.	
Developer Notes		

Use Case ID	UR - 004	
Use Case Name	Search events, users	
Description	Customer should be able to search for a particular event or other users based on some criteria	
Actors	Customer	
Pre-Conditions	User logged into the system	
Post-Conditions	Matching events/profiles shown	
Frequency	Often	
Flow of Events	Actor Action	System Response
	Users clicks the search bar and enters the details, (eg) a) Event name b) Location of an event	System queries the DB for relevant details, If it gets any match, the corresponding results are shown ordered by popularity
Variations	Searching by different parameters No search result matching the given	
Notes and Issues		
Developer Notes		

Use Case ID	UR - 005	
Use Case Name	View details of event	
Description	User should be able to view details about a particular event.	
Actors	Customer	
Pre-Conditions	User logged into system User searched for a particular event	
Post-Conditions	Home page of the corresponding event shown	
Frequency	Often	
Flow of Events	Actor Action	System Response
	Users clicks on the event link from the search results	System shows the homepage for the event selected by the user.
Variations	Different genre of search results. No search results	
Notes and Issues		
Developer Notes		

Use Case ID	UR - 006
Use Case Name	Add to wishlist
Description	User should be able to add an event to his wishlist
Actors	Customer
Pre-Conditions	User logged into system User already in that particular event’s homepage.
Post-Conditions	Event added to the particular user’s wishlist
Frequency	Often

Flow of Events	Actor Action	System Response
	User clicks on the Add to Wishlist button	System adds the event to the user's wishlist.
Variations		
Notes and Issues		
Developer Notes		

Use Case ID	UR - 007	
Use Case Name	Book ticket	
Description	User should be able to book ticket to a desired event	
Actors	Customer	
Pre-Conditions	User logged into the system Particular event already created and its status is not sold out	
Post-Conditions	Ticket booked	
Frequency	Often	
Flow of Events	Actor Action	System Response
	User clicks on the buy ticket button and gives the following details, a) Total number of tickets needed.	System queries the DB to verify the available ticket size and the required size a) If total required < total available, lock tickets and show the payment page.
	User selects a payment mode from the available modes and enters the payment details.	System contacts the payment gateway to process the payment, a) If payment approves, books the ticket and sends notification b) If payment fails, releases the lock on tickets and shows payment failed page.

Variations	Various payment modes.
Notes and Issues	Send separate notifications to all users in split users list.
Developer Notes	

Use Case ID	UR - 008	
Use Case Name	View Booking history	
Description	User should be able view his booking history	
Actors	Customer	
Pre-Conditions	User logged into system. User in his profile page.	
Post-Conditions	User's booking history shown	
Frequency	Often	
Flow of Events	Actor Action	System Response
	User clicks on the view booking history button in the profile page.	System queries the DB and retrieves the booking history of the user and shows it
Variations	Duration	
Notes and Issues		
Developer Notes		

Use Case ID	UR - 009
Use Case Name	Cancel Ticket
Description	User should be able to cancel a booked ticket
Actors	Customer
Pre-Conditions	User must be logged in

	Must be in user's profile page.	
Post-Conditions	The intended ticket is cancelled	
Frequency	Often	
Flow of Events	Actor Action	System Response
	User clicks the cancel ticket from the profile page	System queries the DB and shows the list of booked tickets by the current user.
	User selects the ticket to be cancelled	System queries the DB and, a) Cancels the ticket and send notification b) Update the available ticket size for the particular event.
		System initiates the refund process.
Variations		
Notes and Issues		
Developer Notes		

Use Case ID	UR - 010	
Use Case Name	Eventmanager sign up	
Description	Event manager should be able to sign up	
Actors	Event manager	
Pre-Conditions	Enough space in DB. The provided information is in valid format. No pre existing account with the same email id.	
Post-Conditions	An event manager account is created with all the information provided while registering	
Frequency	Often	
Flow of Events	Actor Action	System Response

	Event manager clicks on the sign up button and enters the, a)User name b)Email ID c>Password	System verifies, a)Valid email id and password b)It does not already exist in the DB
Variations		
Notes and Issues		
Developer Notes		

Use Case ID	UR - 011	
Use Case Name	Event creation	
Description	Event manager should be able to create events	
Actors	Event manager	
Pre-Conditions	Enough space in DB. The provided information is in valid format. No pre existing event with same details.	
Post-Conditions	An event is created with all the information provided while registering	
Frequency	Often	
Flow of Events	Actor Action	System Response
	Event manager clicks on the Add/Create Event button	System verifies, a)Valid details b)Checks if it has not already added
		System creates the event with the given details and assigns it to the event manager
Variations	Closed event	
Notes and Issues		

Developer Notes	
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Use Case ID	UR - 012	
Use Case Name	Update event	
Description	Event manager should be able to update the event	
Actors	Event manager	
Pre-Conditions	Event manager already logged in Particular event already created by the event manager Event manager already in his profile page.	
Post-Conditions	Event details updated	
Frequency	Often	
Flow of Events	Actor Action	System Response
	Event manager clicks on the event to update	System shows the dialog box to update the selected event.
	Event manager enters the details to be updated	System validates the details entered and validates the event
Variations		
Notes and Issues	Handling views when the event is getting updated.	
Developer Notes		

Use Case ID	UR - 013
Use Case Name	View event details
Description	Event manager should be able to view event details like total sales, total revenue, remaining tickets etc
Actors	Event manager
Pre-Conditions	Event manager should be already logged in. Event manager should already be in his profile page

Post-Conditions	All details regarding the selected event is shown	
Frequency	Often	
Flow of Events	Actor Action	System Response
	Event manager clicks on the event for which he needs to see the details	System queries the DB and fetches the details of the selected event and is shown
Variations	Cancelled events	
Notes and Issues		
Developer Notes		

Use Case ID	UR - 014	
Use Case Name	Admin login	
Description	Admin should be able to login to the system	
Actors	Admin	
Pre-Conditions	Account already in DB	
Post-Conditions	System admin page is shown	
Frequency	Moderately	
Flow of Events	Actor Action	System Response
	Admin enters the username and password	System verifies the hashed password and user name and a) authenticates admin b) Show error message
Variations		
Notes and Issues		
Developer Notes		

Use Case ID	UR - 015	
Use Case Name	Approve event manager	
Description	Admin should be able to authenticate and approve event manager.	
Actors	Customer, Event manager	
Pre-Conditions	Admin should already be signed in Event manager should have created an event	
Post-Conditions	Event manager approved	
Frequency	Often	
Flow of Events	Actor Action	System Response
	Admin clicks the notifications	System retrieves the notifications for the admin
	Admin clicks the link to approve the event manager	System verifies the link and opens the approve event manager dialog box.
	Admin verifies the event and the event manager details and a) Approves the event manager b) Disapproves the event manager	System a) marks the event manager as approved b) Shows that the event manager is not approved in the event’s page
Variations		
Notes and Issues		
Developer Notes		

Use Case ID	FR - 001
Use Case Name	Sign up verification mail
Description	A verification mail should be sent during customer/event manager sign up

Actors	Customer, Event manager	
Pre-Conditions	Customer/Event manager initiated account creation Mail server configured properly	
Post-Conditions	Verification mail sent	
Frequency	Often	
Flow of Events	Actor Action	System Response
	Customer/Event manager enters mail id for sign up	System verifies, a)Valid email id and password b)It does not already exist in the DB
		System signals mail server to send verification mail to the email id
Variations		
Notes and Issues	Follow through for the verification mail	
Developer Notes		

Use Case ID	FR - 002	
Use Case Name	Forgot password	
Description	If the user forgets the password, he should get a mail, stating the steps to recover his password	
Actors	Customer, Admin, Event manager	
Pre-Conditions	An account already linked with the given email	
Post-Conditions	User receives an password recovery email	
Frequency	Moderately	
Flow of Events	Actor Action	System Response
	User clicks on the forgot	System verifies,

	password button and enters the, a)User name b)Email ID	a)Valid email id b)It does not already exist in the DB
		System signals the mail server to send the recovery mail containing the recovery password
Variations		
Notes and Issues		
Developer Notes		

Use Case ID	FR - 003	
Use Case Name	Ticket booking successful	
Description	User should get an email if the ticket booking is successful	
Actors	Customer	
Pre-Conditions	Customer already has an account Ticket payment successful	
Post-Conditions	User gets an email stating that the booking is successful	
Frequency	Often	
Flow of Events	Actor Action	System Response
	User completes the payment mode	System verifies the payment and sends the booking confirmation mail to the user's mail.
Variations		
Notes and Issues		
Developer Notes		

Use Case ID	FR - 004	
Use Case Name	Event update mail	
Description	User should receive an email, when the respective user’s booked event details gets changed	
Actors	Customer, Event manager	
Pre-Conditions	Event details gets changed User already booked a ticket to the updated event.	
Post-Conditions	A notification sent to the user	
Frequency	Often	
Flow of Events	Actor Action	System Response
	Event manager updates the details of an event	System verifies the update and retrieves the attendees list from the DB,
		Sends an email notification to all the attendees regarding the change.
Variations		
Notes and Issues		
Developer Notes		

Use Case ID	FR - 005
Use Case Name	Ticket cancellation successful email
Description	User should be notified that the ticket he cancelled is successful
Actors	Customer
Pre-Conditions	Customer cancels a ticket Cancellation successful

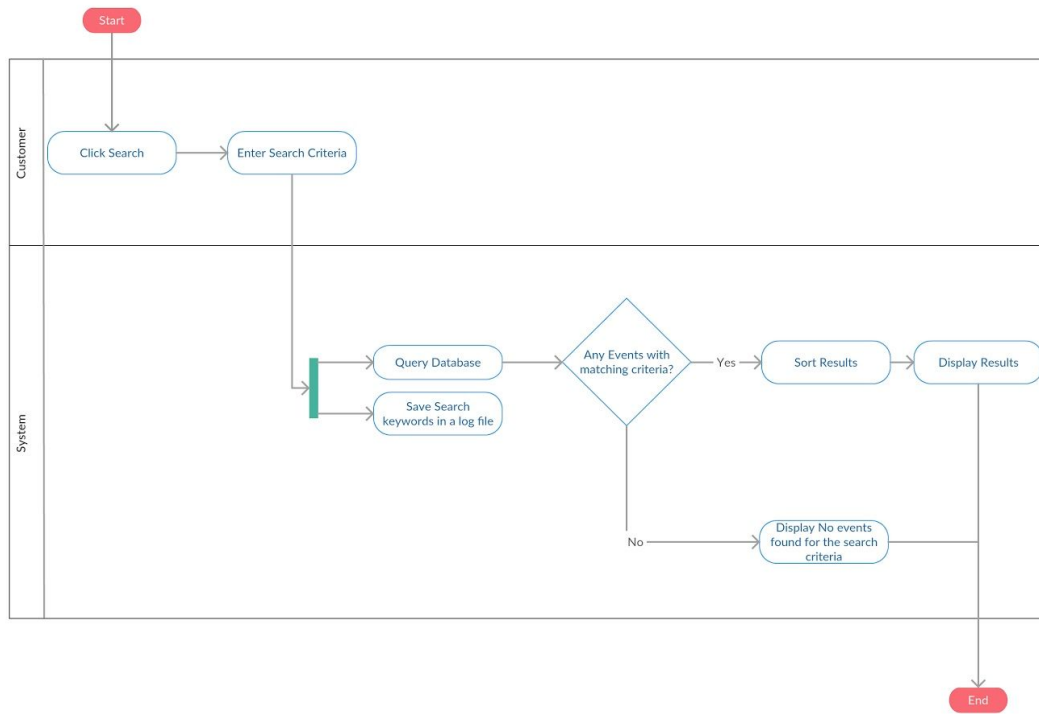
Post-Conditions	An email is sent regarding the successful cancellation of the ticket	
Frequency	Often	
Flow of Events	Actor Action	System Response
	Customer cancels the ticket	System verifies the cancellation and send an email to the user and all its split users if present
Variations		
Notes and Issues		
Developer Notes		

Use Case ID	FR - 006	
Use Case Name	Wishlist event notification	
Description	User should get an notification if any of his wishlist events are approaching or when its tickets are about to be sold out.	
Actors	Customer, Event Manager	
Pre-Conditions	Event added to an user’s wishlist Event’s tickets are filling fast	
Post-Conditions	An email notification is sent to the respective users	
Frequency	Often	
Flow of Events	Actor Action	System Response
		System finds that a user wishlisted event is a)approaching b)about to be sold out
		System signals the mail server to send out an notification regarding that event to all the users who wishlisted it.

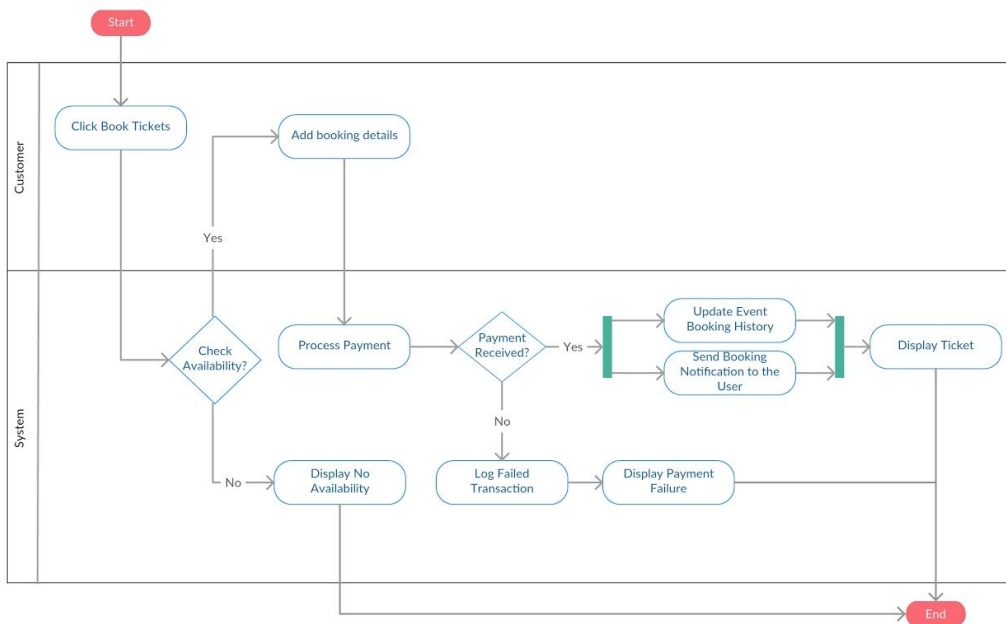
Variations	
Notes and Issues	
Developer Notes	

6.ACTIVITY DIAGRAMS

Search Activity Diagram



Book Activity Diagram



7.UI MOCKUP

a) Login Page

BOOKIT

login

Email Address

Password

LOGIN

register

Name

Email Address

Password

SIGNUP

b) Home Page along with search and displaying the search results and events nearby:

HomeBooked27ProfileLogout

Search Events

Events near you

Event Name
Location
Status

Date
\$0.00

Event Name
Location
Status

Date
\$0.00

Event Name
Location
Status

Date
\$0.00

Event Name
Location
Status

Date
\$0.00


c) Event Page Template

Home	Booked 27	Profile	Logout
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Event Name
Location
Event Managers

Date and Time **\$0.00**
Number of Tickets left

BOOKIT




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d) View Tickets and Cancel tickets:

Home	Booked 27	Profile	Logout
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Ticket Number
Event Name
Location
Event Managers

Date and Time **\$0.00**
Number of tickets



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla quam velit, vulputate eu pharetra nec, mattis ac neque. Duis vulputate commodo lectus, ac blandit elit tincidunt id. Sed rhoncus, tortor sed eleifend tristique, tortor mauris molestie elit, et lacinia ipsum quam nec dui. Quisque nec mauris sit amet elit iaculis pretium sit amet quis magna. Aenean velit odio, elementum in tempus ut, vehicula eu diam. Pellentesque rhoncus aliquam mattis. Ut vulputate eros sed felis sodales nec vulputate justo hendrerit. Vivamus varius pretium ligula, a aliquam odio euismod sit amet. Quisque laoreet sem sit amet orci ullamcorper at ultricies metus viverra. Pellentesque arcu mauris, malesuada quis ornare accumsan, blandit sed diam.

CANCEL

e) View Booked History of Tickets:

Home	Booked27	Profile	Logout
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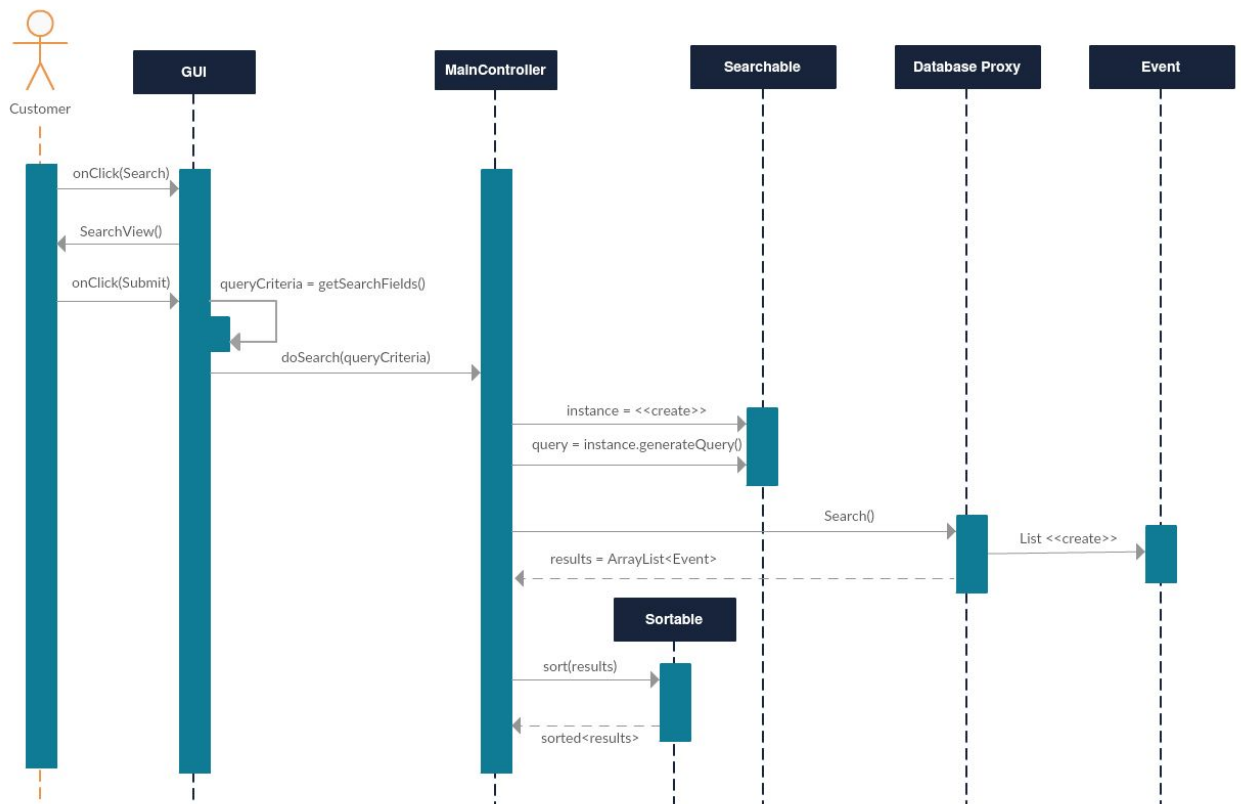
Booked History

Event Name	Number of Tickets
Date	Total Cost
Location	Cost per ticket
Event Managers	

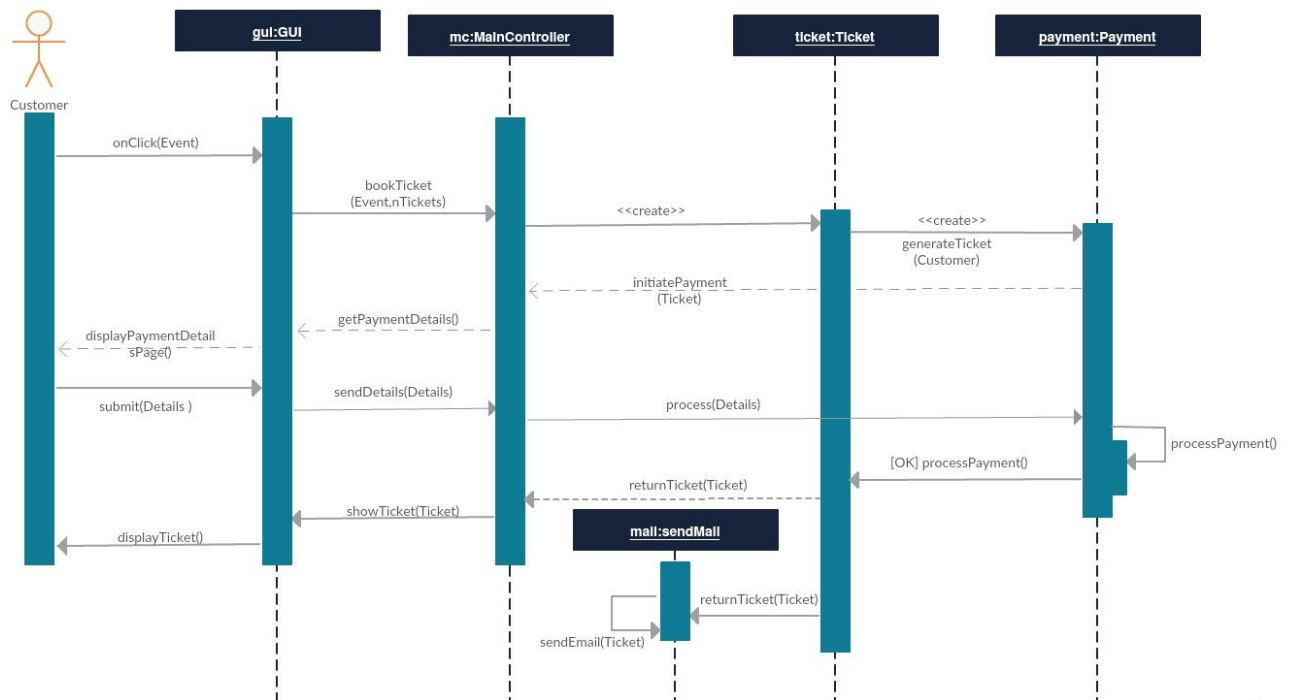
Event Name	Number of Tickets
Date	Total Cost
Location	Cost per ticket
Event Managers	

8. SEQUENCE DIAGRAMS

A) Searching an event sequence diagram



B) Booking a ticket sequence diagram



9.CLASS DIAGRAMS

