

Use Case Name	Register
Trigger	User
Actor	User, SecurityService, EmailService
Overview	The user wants to create a new account in the SkyBooking system to access its services.
Preconditions	<p>The user is not registered in the system.</p> <p>The system is operational.</p>
Termination Outcomes	Conditions
The user successfully registers an account..	1. The user enters registration details. 2. The system validates the data. 3. The system triggers SecurityService for authentication. 4. The system sends a verification email via EmailService. 5. The user confirms their email. 6. The system activates the account.
Registration fails due to invalid or missing details.	1.The client calls the hotline and makes a report regarding his internet issues.2.The customer service representative answers the call and performs basic troubleshooting tips.1. The user enters incomplete or incorrect data. 2. The system rejects the request and prompts the user to correct errors.
Registration fails due to email verification timeout.	<p>1. The client calls the hotline and makes a report regarding his internet issues.</p> <p>2. The customer service representative answers the call and performs basic troubleshooting tips.1. The user does not verify the email within the required timeframe. 2. The system cancels the registration process.</p>

Use Case Name	Login
Trigger	User
Actor	User, SecurityService
Overview	The user wants to create a new account in the SkyBooking system to access its services.The user wants to log into their SkyBooking account.
Preconditions	<p>The user has a registered account.</p> <p>The system is operational.</p>
Termination Outcomes	Conditions
The user logs in successfully.	1. The user enters login credentials. 2. The system verifies credentials. 3. The system triggers SecurityService for authentication. 4. The user completes 2FA verification if required. 5. The system grants access.
Login fails due to incorrect credentials.	1. The user enters incorrect email/password. 2. The system denies access and prompts the user to retry.
Login fails due to security logout.	1. The user enters incorrect credentials multiple times. 2. The system locks the account temporarily.

Use Case Name	Search for Flights & Hotels
Trigger	User
Actor	User
Overview	The user searches for available flights or hotels based on their preferences.
Preconditions	<p>The user is logged in.</p> <p>The system has available flight and hotel data.</p>
Termination Outcomes	Conditions
The user receives relevant search results.	1. The user enters search criteria. 2. The system retrieves matching flights and hotels. 3. The system displays results.
No results found.	1. The user enters search criteria. 2. The system does not find any matching flights or hotels. 3. The system notifies the user.

Use Case Name	Receive Notifications
Trigger	System
Actor	User, NotificationService
Overview	The user wants to create a new account in the SkyBooking system to access its services.The user wants to log into their SkyBooking account.The user receives system notifications for important updates (booking confirmation, reminders, etc.).
Preconditions	<p>The user has notifications enabled.</p> <p>A system event requires notification.</p>
Termination Outcomes	Conditions
The user receives the notification successfully.	1. A system event triggers a notification. 2. The system sends a notification via NotificationService. 3. The user receives it.
Notification delivery fails.	1. The system triggers a notification. 2. The NotificationService encounters an error. 3. The system logs the failure and retries later.