|  |  |
| --- | --- |
| Name | Sign up |
| Primary Actor | Guest |
| Preconditions | The Guest wants to register to “Travlendar+” |
| Postconditions | Guest’s pieces of information are stored in the “Travlendar+” server and locally on the device. The Guest can sign in to use the application, becoming a User. |
| Flow of events | 1. The Guest opens the application for the first time 2. The System shows the Login screen to the Guest 3. The Guest clicks on “Sign Up” 4. The System shows to the Guest the Registration page 5. The Guest inserts his personal details (name, surname, date of birth, …) and his trip preferences (important addresses, owned car, season ticket, …) 6. The Guest reads and accepts the user agreement 7. The Guest taps on “Confirm” 8. The System check the correctness of the data and sends an email and a sms with a verification link 9. The Guest confirms his registration clicking on one of the verification links 10. The Guest is now registered and becomes a User of “Travlendar+” 11. The System shows to the User the Main screen (Calendar) of the application |
| Exceptions | 1. One or more fields of the Registration page are not well formed 2. Username is already in use 3. Email is already in use 4. The verification link is expired (after 24 hours) |

|  |  |
| --- | --- |
| Name | Sign in |
| Primary Actor | Guest |
| Preconditions | The Guest wants to sign in to use “Travlendar+”. He is actually a User of the application because he has a valid account for it |
| Postconditions | The Guest is now logged into the System becoming an User |
| Flow of events | 1. The Guest opens the application 2. The System shows to the Guest the Login screen 3. The Guest inserts account credentials (username and password) 4. The Guest taps on “Sign In” 5. The System checks if the credentials are present in the database 6. The Guest is now logged and becomes an User 7. The System shows to the User the Main screen of the application |
| Exceptions | 1. One or more fields of the Login page are not well formed 2. Username is not present in the database 3. The password associated to the username is incorrect |

|  |  |
| --- | --- |
| Name | Add event to calendar |
| Primary Actor | User |
| Preconditions | The User wants to add an event to the calendar of his application. He is already logged in into the service and the System is showing the calendar |
| Postconditions | The event is added to the calendar and stored in the database, the System computes the round trip from the location of the event and shows again the calendar to the User |
| Flow of events | 1. The User taps on “Add Event” (the red button with a white cross) 2. The System shows the Add Event screen 3. The User inserts the details in the requested fields 4. The User clicks on “Confirm” 5. The System adds the event to the calendar and shows the updated Main screen to the User |
| Exceptions | 1. The event overlaps with another one 2. The event overlaps with User’s lunch 3. One or more field are not well formed 4. The User cannot arrive in time for the event |

|  |  |
| --- | --- |
| Name | Delete event from calendar |
| Primary Actor | User |
| Preconditions | The User wants to delete an event from the calendar of his application. He is already logged in into the service and the System is showing the calendar |
| Postconditions | The event is deleted from the calendar and from the database, the System shows again the calendar to the User |
| Flow of events | 1. The User selects the event he wants to delete 2. The System shows the Event Details screen 3. The User taps on “Modify Event” 4. The System shows Event Edit screen 5. The User clicks on “Delete Event” 6. The System deletes the event from the calendar and from the database, and shows the updated calendar to the User |
| Exceptions | 1. The event overlaps with at least other two events and it is primary |

|  |  |
| --- | --- |
| Name | Arrange trip |
| Primary Actor | User |
| Preconditions | The User wants to buy the tickets to take a trip. He is already logged in into the service and the System is showing the calendar |
| Postconditions | The User receives the tickets |
| Flow of events | 1. The User clicks on “Trips” (the button with the airplane) 2. The System shows the Trips screen 3. The User chooses the event he wants to buy the tickets for 4. The System shows the Trip details screen 5. The User clicks “Buy Now” 6. The System calls the External services needed that show a checkout page to the User 7. The User pays and confirms for all the tickets 8. The External services send the tickets to the User and communicate to the System that the payment is executed |
| Exceptions | 1. One or more payment failed 2. The User doesn’t confirm payment for one or more tickets |

|  |  |
| --- | --- |
| Name | Manage trip options (customized trip) |
| Primary Actor | User |
| Preconditions | The User wants to change the modality of one of his trips, choosing to customize it and changing the preferred means of transport. He is already logged in into the service and the System is showing the calendar |
| Postconditions | The trip is changed as the User prefers |
| Flow of events | 1. The User clicks on “Trips” (the button with the airplane) 2. The System shows the Trips screen 3. The User chooses the event he wants to modify 4. The System shows the Trip details screen 5. The User clicks “Modify” 6. The System shows Suggested Trip Choices screen 7. The User select “Customized” 8. The System calculates all available trip options and shows them to the User in the Trip Options screen 9. The User chooses new preferred means of transport 10. The System recalculate all the trip options with the User selection and show them to the User in the Trip Options screen 11. The User chooses his preferred trip option 12. The System shows the Trip details screen 13. The User selects back (the arrow icon) 14. The System shows the Main screen to the User |
| Exceptions | 1. User chooses to go only by foot but the distance to walk is wider than the one set in the preferences 2. User chooses to go only by bike, but the time is not inside the interval chosen in the preferences |

|  |  |
| --- | --- |
| Name | Reserve a sharing means of transport |
| Primary Actor | User |
| Preconditions | The User wants to reserve a sharing means of transport. He is already logged in into the service and the System is showing the calendar |
| Postconditions | The User has reserved the means of transport chosen and receives a confirmation via mail |
| Flow of events | 1. The User clicks on “Trips” (the button with the airplane) 2. The System shows the Trips screen 3. The User chooses the event that is active 4. The System shows the Trip details screen 5. The User clicks on the “Sharing” button 6. The System requests the position of the means of transport to all External Sharing Services and it shows to the User 7. The User chooses a means of transport 8. The System opens the application of the Sharing Service chosen 9. The User reserves the means of transport 10. The Sharing Service application sends a confirmation via mail and shows the means of transport reserved |
| Exceptions | 1. The Sharing Service application is not installed on the device 2. The User doesn’t have an account for the Sharing Service |