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| **Use case:** User creates event |
| **Actors:** User |
| **Entry conditions:** User must be logged |
| **Flow of events:**  The user creates an event (a meeting, appointment or generic event) giving it a name; User specifies the location of the event;  User specifies details such as passengers or baggage;  User selects a travel mean taking to account app’s suggestion;  The app takes note of the settings and send a confirmation;  The app redirects the user to the main page. |
| **Secondary Flows:**  User doesn’t specify a travel mean and let it blank;  The app takes anyway note of the setting and alert the user of the missing information;  The app redirects the user to the main page. |
| **Exceptions:**  Warnings messages are created in the following cases:   * User creates an event that overlaps another event; * User creates an event with a location that is unreachable in the allocated time; * User creates an event that violates the set constraints about the break windows. |
| **Post conditions:**  The user is successfully redirected to the main page. |

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| **Use case:** User buy travel ticket |
| **Actors:** User |
| **Entry conditions:**  user must be logged;  user must have added a payment card . |
| **Flow of events:**  User select an event;  User, through the app, searches for tickets for the specified travel mean;  User select the ticket’s option and picks one;  User proceeds with the payment;  The payment operation ends successfully;  The app send a confirmation and redirects the user to the main page; |
| **Exception:**  The payment is rejected (not enough credit, expired card, ..);  The app notifies the user;  The app redirect the user to the home page; |
| **Post conditions:**  User successfully books the tickets and is redirected to the main page. |
| **Note:**  Ticket purchase processes may differ from one another depending on the travel company. |

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| **Use case:** User visualizes the appointment |
| **Actors:** User |
| **Entry conditions:**  user must be logged;  the event must exist; |
| **Description:**  user visualize an appointment and eventually:   * If not specified yet, set a travel mean; * Modify the previous travel mean or other detail such as location, baggage or passengers; * Buy a ticket for the travel mean; * Rent a shared vehicle if is theproper time to do that and locate the nearest one; * Delete the appointment. |

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| **Use case:** Sign Up |
| **Actors:** Person |
| **Entry conditions:** user must be not already logged; |
| **Flow of events:**  the person inserts full name and email contact;  the app send an email with the confirmation link;  the person give the confirmation trough the link on the mail;  the app give the welcome to the new user. |
| **Secondary Flow:**  none. |
| **Exceptions:**  the person inserts a wrong email contact;  the sign up cannot proceed. |
| **Post conditions:**  the person is successfully signed up and become an actual logged user. |

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| **Use case:** Initial settings configuration |
| **Actors:User** |
| **Entry conditions:**  the User just has just completed the sign up process;  user must be logged. |
| **Flow of events:**  User insert sequentially the following information:   * Credit card; * Driving licence; * Break time windows; * Interest for Eco-friendly solutions on the travel means. * Constraints on travel means.   The app, for each step, check the info and send a confirmation;  The app redirects the user to the main page. |
| **Secondary Flow:**  User skips to specify one or more information that could be specified later in the settings.  The app notifies the user about the missing information and redirects anyway the user to the main page. |
| **Post conditions:**  the set configurations are successfully saved and the user is redirected to the main page. |