

1. Functional requirements

- a. The system should allow the user to choose a start and end destination.
- b. The system should allow the user to pick a one-way or a multi-way trip and provide a way to pick out middle destinations.
- c. The system allows the user to choose a departure time for their trip.
- d. The system automatically applies any discounts to the final price.
- e. The system automatically calculates the total price of the ticket, based on the provided user information.
- f. The system allows the user to create, view, modify or delete their bookings.
- g. The system allows the user to create a user profile.
- h. The system allows the user to view or redact their information.
- i. The system allows the user to delete their profile.
- j. The system allows online payment for bookings.
- k. The system sends out an email once a booking has been cancelled or modified.
- l. The system is available in English, German, Spanish and French.
- m. The system provides a form for applying for a discount card of a certain type, **provided the requirements for that type have been met.**

2. Non-functional requirements

- a. The system can handle high amounts of user traffic with no impediment of the user experience for individual users.
- b. The web application, which is the GUI for the user, loads within 5 seconds.
- c. Requests for bookings must be processed by the server in 10 seconds.
- d. Updates of user information made in the GUI should be reflected immediately.
- e. Total price calculation must happen within 3 seconds.
- f. GDPR must be upheld to assure safety of user's data.
- g. The system must be resilient to most common security vulnerabilities.
- h. The system must handle exceptions and never throw massive errors or show white screens.

3. Features in Gherkin syntax

- a. **Scenario: Total price calculation before checkout**
Given the user has selected a final destination
When the user has chosen departure time from a first destination
And the user has provided information about travelling with child or not
Then discounts (if available) are applied to the total price
- b. **Scenario: User wishes to redact their personal data**
Given the user has an existing user profile
When the user clicks the "Redact info" button
And the user has made their wished changes
Then the form is closed and a redaction request is carried out
- c. **Scenario: User redacts a booking**
Given the user has booked a ticket
When the user clicks the "Redact booking" button

And the user modifies the departure time and/or the destinations
Then the total price is recalculated automatically