

Sprint 1 - Software Requirements Specification

Functional Requirements (FR)

1. The system should allow the user to retrieve the longitude and latitude of a traveller's departure point
2. The system should allow the user to retrieve the longitude and latitude of a traveller's destination point
3. The system should allow the user to view a requested departure time of a traveller
4. The system should allow the user to view transportation routes with Västtrafik between a departure and destination point
 - 4.1. The system should allow the user to specify the departure and destination point
 - 4.2. The system should allow the user to reuse the departure and destination point of a traveller
 - 4.3. The system should allow the user to specify a transportation mean on the route
 - 4.3.1. The transportation mean should be a bus, ferry or a tram
 - 4.4. The system should allow the user to view the time it takes to travel on the specified route
 - 4.5. The system should allow the user to identify variances in travel time during different hours of a day on the specific route
5. The system should be able to update automatically to new traveller requests
 - 5.1. The updates should happen in real time
6. The system should allow the user to customize the representation of data sets
 - 6.1. The system should allow the user to customize the view of traveller requests in relation to specific times
 - 6.1.1. The times should include hour and weekday
7. The system should allow the user to retrieve particular sets of data
 - 7.1. The 100 most frequently requested departure points
 - 7.2. The 100 most frequently requested destination points
8. The system should be able to handle internal errors such as incorrectly formatted data inputs or out of bounds inputs for the defined interfaces.

Non-Functional Requirements (NFR)

1. The data in the system should be displayed to the user in an easy-to-read manner

Constraints

1. All departure and destination points should be placed within the region of Västra Götalandsregionen