

Software Requirements Specification

Functional Requirements (FR)

1. The system should allow the user to retrieve the longitude and latitude of a travelers departure point
2. The system should allow the user to retrieve the longitude and latitude of a travelers destination point
3. The system should allow the user to view requested departure times of traveler requests
4. The system should allow the user to view transportation routes with Västtrafik
 - 4.1. The system should allow the user to specify a transportation mean
 - 4.1.1. The transportation mean should be a bus, ferry, train or a tram
 - 4.2. The system should allow the user to identify variances in travel routes during different hours of a day
5. The system should be able to update automatically to new traveler 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 traveler requests in relation to specific times
 - 6.1.1. The times should include hour and weekday
7. 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