March 10th 2011

Requirements Specification Document

Introduction to Human-Computer interfaces

Project: Design of an interactive application

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# Objectives of the project

# Targeted user-base

## General description

## Personas

# Functional Requirements

## User input collection

## Analysis

## Use Cases



Figure : Use cases diagram

|  |  |
| --- | --- |
| **Station to Station Itinerary** | |
| **Issues:** | Find the optimal itinerary (shortest travel time) between two stations. |
| **Requirements:** | Prior (albeit approximate) knowledge of the start and destination stops. |
| **Actors:** | The user, The SEMITAG servers |
| **Goals:** | Find the optimal (in relation to travel time) itinerary between two stations at a given time |
| **Assumptions:** | The user has a least moderate knowledge of the SEMITAG network |
| **Scenario steps:** | * + The user starts typing the name of the start station   + The system incrementally shows the available stops matching the currently typed characters   + The user:     - Fully types the name   OR   * + - Picks one of the propositions   + The user starts typing the name of the destination station   + The system incrementally shows the available stops matching the currently typed characters   + The user:     - Fully types the name   OR   * + - Picks one of the propositions   + The user selects the desired date and time of the itinerary   + The user validates the choices   + The system shows the first few possible itineraries ordered by increasing temporal distance |
| **Exception cases:** |  |

# Quality requirements

# Annex 1: Use case description template:

|  |  |
| --- | --- |
| USE CASE TITLE | |
| **Issues:** |  |
| **Requirements:** |  |
| **Actors:** |  |
| **Goals:** |  |
| **Assumptions:** |  |
| **Scenario steps:** |  |
| **Exception cases:** |  |