**BestPlaces**
**Use Case Specification: Searching**

**Version 1.1**

# Revision History

| Date | Version | Description | Author |
|---|---|---|---|
| 30/10/2016 | 1.0 | Initial Fill-up | Marco Kolb |
| 15/11/2016 | 1.1 | Added feature file | Marco Kolb |
| | | | |
| | | | |

# Table of Contents

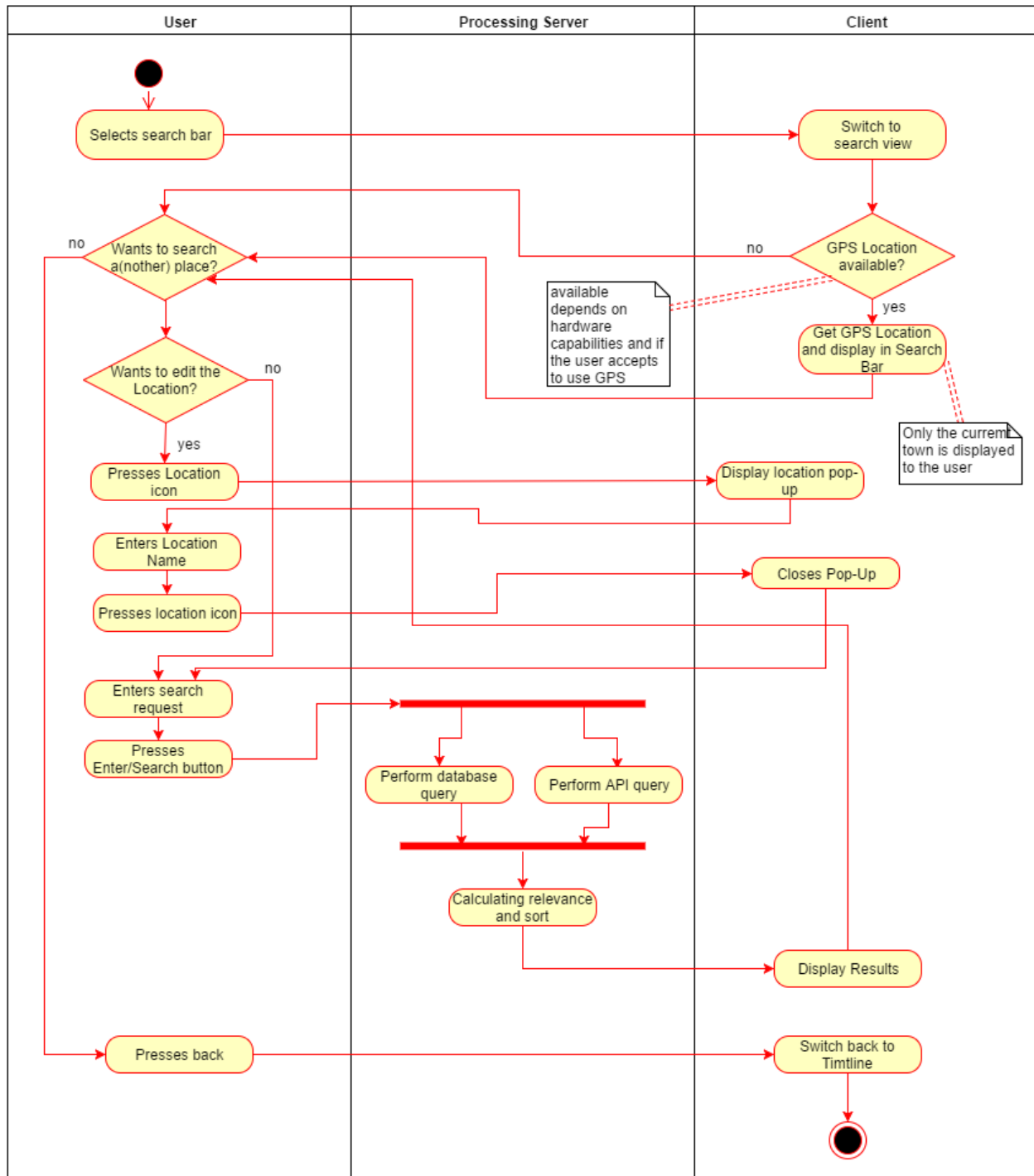# Use Case Specification: Searching

## 1. Use-Case Name

### 1.1 Brief Description

This use-case will enable the user to search for places. Therefore, he will be able to type the name of a place, he is looking for into the search field. After typing and issuing enter, the result should be presented. In the end the user is able to select a result to get further information about that place.

## 2. Flow of Events

### 2.1 Basic Flow



| User | Processing Server | Client |
|---|---|---|

Selects search bar

Switch to search view

Wants to search a(nother) place?

no

GPS Location available?

no

available depends on hardware capabilities and if the user accepts to use GPS

yes

Wants to edit the Location?

no

Get GPS Location and display in Search Bar

Only the current town is displayed to the user

yes

Presses Location icon

Display location pop-up

Enters Location Name

Closes Pop-Up

Presses location icon

Enters search request

Presses Enter/Search button

Perform database query

Perform API query

Calculating relevance and sort

Display Results

Presses back

Switch back to Timtline

```gherkin
Feature: Searching

  As a user
  I want to search for places by providing name and location

  Scenario: near current location
    Given I pressed the "Search Bar"
    And The current location is "Karlsruhe"
    When I enter "Pizza" in search bar
    And I press "Search"
    Then I should see "Search results" for "Pizza" in "Karlsruhe"
  Scenario: specifiy location
    Given I pressed the "Search Bar"
    When I press on the "Navigator symbol"
    And I see "Location PopUp"
    And I enter "Berlin" in location input field
    And I enter "Pizza" in search bar
    And I press "Search"
    Then I should see "Search results" for "Pizza" in "Berlin"
  Scenario: go back
    Given I am in Search View
    When I press "Back"
    Then I should see the "Timeline"
```
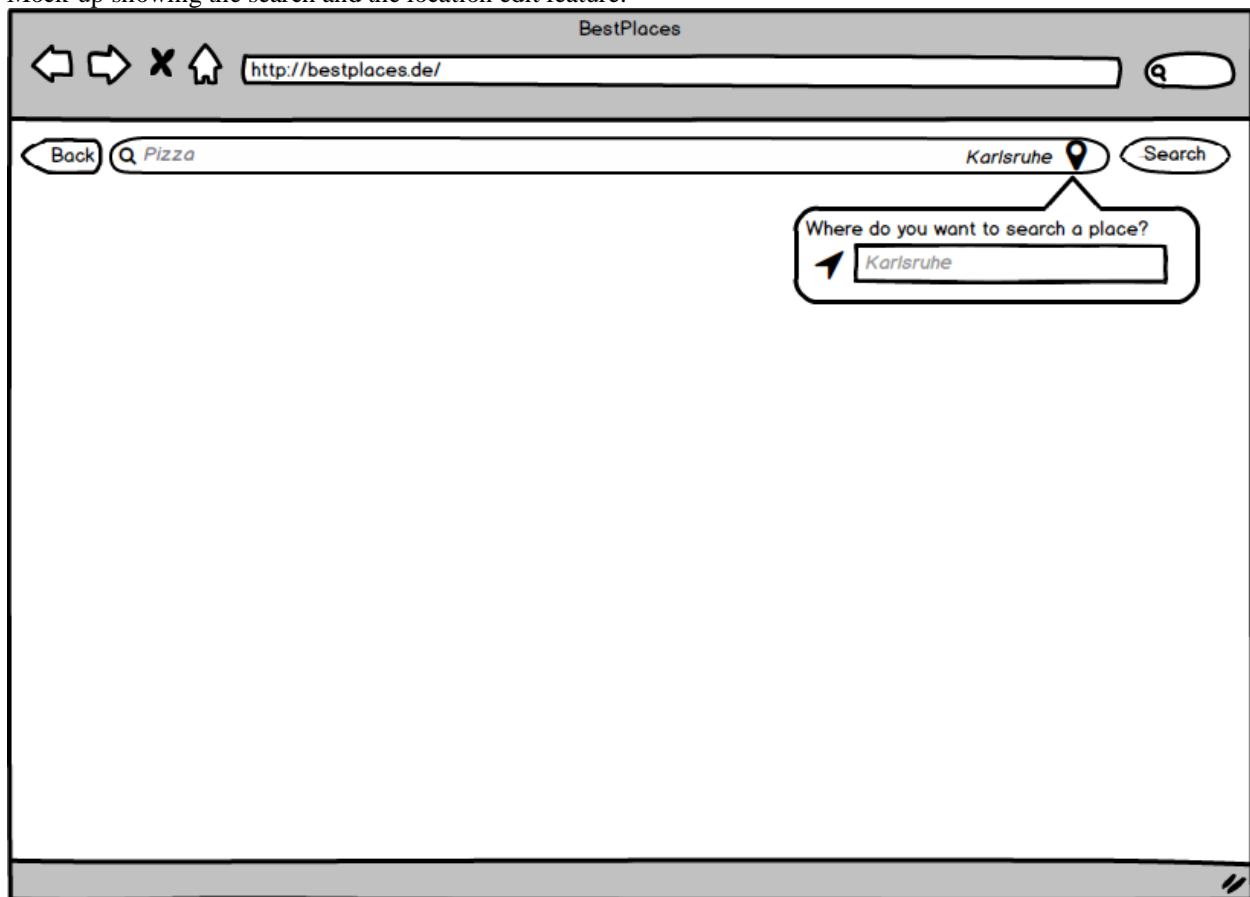
The feature file for searching.
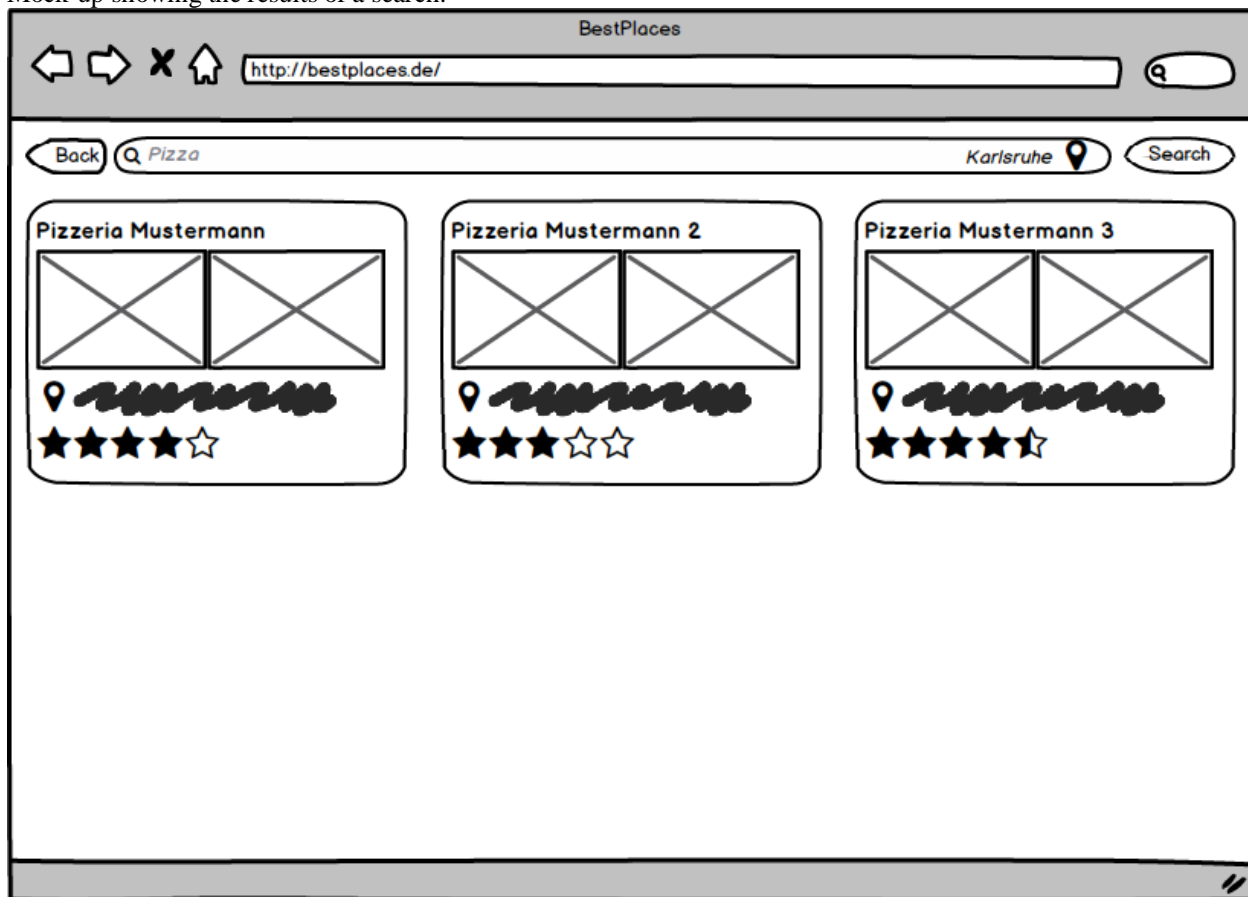
Mock-up showing the search and the location edit feature:

Mock-up showing the results of a search:



## 2.2 Alternative Flows

n/a

# 3. Special Requirements

### 3.1 Location Service

There are several ways of gathering the current location of the user. Besides the well-known GPS, we can also gather the location by using Wi-fi or cellular location. To have the best results, GPS should be used in first place, if the user enabled this on his device and granted access to geolocation for our service.

# 4. Preconditions

### 4.1 Valid log-in

To use this feature, the user needs to be successfully signed-up and logged-in into the service.

# 5. Postconditions

### 5.1 Select Result

If the user found the place, he is searching for, he will be able to select it and get more information about it.

### 5.2 Dismiss

If the user didn't found his place by searching, the result list will disappear and the timeline is shown. From there he will be able to add his place to the database.

## 6. Extension Point

n/a