

Software Requirement Specification

Introduction

Aim of the document

This document is util to deeply comprehend tasks, features (SW and HW), organization, and development of the software.

Through the reading of this document any professional figure involved with its use will have an overview of the whole system.

Overview of the defined system

Skate Spot is a distributed system that helps users to find places where practice skateboarding. It provides a list of several skate spots and skate shops located in different cities.

Users can find specific spots or specific shops using the application. It's also possible to add new spots to the system or to join a spot if it's not full.

Furthermore, the system provides a premium area(costs will be applied) where shop owners can add their own shops and see their personal shops.

Operational settings

The system can run on any PCs with an Internet connection.

Software Requirements :

- JDK version 8 or superior installed
- JavaFX library version 15 installed
- My-Sql-Connector version 5 installed
- Browser installed to access the web version

Skate Spot can also be accessed by mobile devices via the website.

Related systems, Pros and Cons

Two related systems are Google maps by Google Inc. and Skatedeluxe.com by Skatedeluxe.

Compared to Google maps, Skatespot only shows places where it's possible to practice skateboarding, both skateparks and street spots, so that a user can easily find them.

Compared to Skatedeluxe.com, Skatespot shows shops in different cities, but it's not possible to buy articles online at the moment.

User stories

1. As a user, I want to add new skate spots, so when I discover a new one I can share it with other members of the community.
2. As a skater, I want to choose the nearest spot, so I can skate even when I have less free time.
3. As a shop owner, I want to add my shops to the platform, so I can promote my activity on the platform.
4. As a skater, I want to know how many people are in a specific place at the moment, so I can respect social distancing due to covid19.
5. As a user, I want to read the description of a spot, so I can know its features.

6. As a shop owner, I want to see all my shops, in order to eventually change their informations.

Functional requirements

1. The system shall provide a section that shows all the shops.
2. The system shall provide a section that shows all the spots.
3. The system shall provide a form used to add new skate spots and describe their features.
4. The system shall display the number of people in any place at any time.
5. The system shall provide a premium area where shop owners can add their shops.
6. The system shall provide a section where shop owners can see their own shops.

Use cases: overview diagram

