<Application for sports bookings>

Vision

Version <1.0>

Revision History

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Table of Contents

1. Introduction 4

1.1 Purpose 4

1.2 Scope 4

1.3 Definitions, Acronyms, and Abbreviations 4

1.4 References 4

1.5 Overview 4

2. Positioning 4

2.1 Problem Statement 4

2.2 Product Position Statement 4

3. Stakeholder and User Descriptions 5

3.1 Stakeholder Summary 5

3.2 User Summary 5

3.3 User Environment 6

4. Product Requirements 6

Vision

# Introduction

The purpose of this document is to collect, analyze, and define high-level needs and features of the sports bookings platform. It focuses on the capabilities needed by the stakeholders and the target users, and **why** these needs exist. The details of how the sports bookings platform fulfills these needs are detailed in the use-case and supplementary specifications.

[The introduction of the **Vision** document provides an overview of the entire document. It includes the purpose, scope, definitions, acronyms, abbreviations, references, and overview of this **Vision** document.]

## Purpose

The document gives an overall view of the sports bookings platform , presents the main idea and drive behind it, while offering a technical perspective, a view of the actors involved in the whole system and a place for such a product on the marketplace.

## Scope

The scope of this project is to document the development of a sports bookings platform where parks or sports centers can expose their products and services, while clients can book their place at different sport courts available and the equipment necessary. All technical aspect will be detailed including the choice of the programming language and its comparison with others, the frameworks that were used and other key technical features. Moreover, this document takes into consideration the design problems, dealing with quality attributes and how they are implemented, as well as describing the non-technical aspects, such as the stakeholders that take part in the business model.

## Definitions, Acronyms, and Abbreviations

DB – database

MVC – Model, View, Controller

CRUD – Create, Read, Update, Delete

## References

Course slides

## Overview

Further on, I will describe the problem that is solved by this application and how such a product can have a unique place in the marketplace. Then, I will continue by giving a brief overview of the stakeholders involved and the users of the system, how they interact with each other and what their responsibilities are. Last but not least, the product requirements that ensure its success will be detailed.

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | arriving at the sports facility only to find the courts occupied not knowing when you could get your turn |
| affects | The end-users desire to contact these companies and also the business model of these companies, which are rather old-fashioned and are not used to offer their services in a more modern way |
| the impact of which is | decreased interest in a enjoyable and healthy way of relaxing |
| a successful solution would be | The implementation of a sports bookings platform, where the sports facilities, which are not related, can expose and present their offers. The customers can also choose their preferred company and desired sport court to book. This would result in a better advertising and an improved way of selecting such services. In addition, it would allow for small companies to promote themselves. |

## Product Position Statement

|  |  |
| --- | --- |
| For | Sports facilities |
| Who | Want to expand their customer range and improve their visibility in the marketplace. Also, suitable for small companies that want to promote themselves. |
| The Sports-Direct | Is a sports bookings platform |
| That | Improves the range of choice for the customer and expands the visibility of the sports facility company on the marketplace. Also, it facilitates the communication between the service provider and the customers. |
| Unlike | Independent and individual websites, which tend not have so much traffic, less functionalities implemented. |
| Our product | Would like to offer a common interface for sports facility companies to facilitate the access to their users. This way, the quality of these services can increase significantly. |

# Stakeholder and User Descriptions

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Business Analyst | The BA must have fluency in the language of the application domain, understand the market sector and should also have high interaction competency | The BA models the organizational structure, the workflows and processes (both formal and informal) and also the IT systems. |
| Requirements Engineer | Uses techniques and methodologies to elicit requirements | Responsible for specification of requirements. Uses SQIRO: Sampling, Questionnaires, Interviews, Reading, Observation. |
| Software Architect | Defines the general architecture and guidelines of the system | Responsible for designing a quality architecture that should be followed by the software developers, by consulting as well with the requirements provided from the requirements engineer. |
| Software Developer | Implements functionalities in the system | Has the responsibility of adding the functionalities and respecting the architecture established. |
| Database administrator | Administrates the database and interacts directly with the back end developers. | Ensures the consistency of the database and is responsible for the access to the database server. |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Customer | The client that use the application to select the services they would like, book them, and after completion, gives a rating to the service provider |  |  |
| Company administrator | The company administrator is a delegated person from that sports facility company that manages what the site offers on this platform | Add new offers, update existing ones or delete offers. |  |

## User Environment

The people that interact with the system are first of all the clients that can choose between the services and the companies, make reservation for a sport court and select a desired time for it. The sports facility companies display their offers and available times for them as well.

# Product Requirements

At a high level, the product should have a really well maintained database, with the least amount of time for retrieving something from the database. Also, security plays a really important part, if we are to store valuable information from the clients. One important key aspect is the interface design, since the success of such a product relies heavily on the presentation.