

# SRS

## Introduction

This document details the project plan for the development of “Tourfirm.”

It is intended for developers, designers, and testers working on “ Tourfirm ”. This plan will include a summary of:

- how the system will function
- the technology used to develop the project, and
- Overall Description

## Customers

The customers will be users, who plan to travel abroad.

## System Features

### *Functional Requirements*

- Users should be able to sort hotels.
- Users should be able to book a hotel.
- Users should be choose start and end date for booking.
- Users should be able to choose price from/to
- Users should be able to view own booking
- Users should be able to see all available hotels

### *User Interfaces*

- Software: Java
- Database software: MySQL

## ***Hardware Interfaces***

- Both Mac and Windows operating systems through their default web browser

## **Performance Requirements**

- The application should load and be usable within 6 seconds
- The application should update the interface on interaction within 5 seconds
- The database should be normalized to prevent redundant data and improve performance
- The database should be distributed to prevent outages

## **Safety Requirements**

- Databases should use sharding to be redundant to prevent loss of data.

## **Security Requirements**

- Any keys used for the project should be stored securely.
- Only the Java should be able to connect to the databases.
- Databases should be behind a firewall.