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30433

DormShare
Vision

Version 1.0

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Revision History

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Vision

1. Introduction

1.1 Purpose

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

1.2 Scope

This **Vision** document is written with the intention of collecting, analyzing and defining the high-level needs and features of the DormShare application developed during the Software Design course.

1.3 Definitions, Acronyms, and Abbreviations

All the definitions, acronyms and abbreviations used in this document are included in the project's attached Glossary.

1.4 References

As further references, the **Glossary**, **Supplementary Specification** and **Use Case Model** documents are attached to this document.

1.5 Overview

The **Vision** document contains the basic idea of the application with the brief presentation of the users and the stakeholders that will take part in the development, implementation and the integration of the DormShare application. Also, it specifies the special requirements of the project.

2. Positioning

2.1 Problem Statement

The problem of	Travelling on a low budget
affects	students
the impact of which is	Many students aren't able to find cheap accommodation
a successful solution would be	Implementing an application to share dorm rooms around the Globe, in partnership with the universities.

2.2 Product Position Statement

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For	Students
Who	Like to travel, but don't have the resources to stay in expensive hotels
The DormShare	Is an application
That	Finds cheap accommodation in campuses
Unlike	AirBnb or Booking.com
Our product	Finds the cheapest alternative of accommodation in empty dorm rooms provided by the universities or the students

3. Stakeholder and User Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
University	Partner University which is able to offer accommodation for students.	ensures that the system will be maintainable ensures that there will be a market demand for the product's features monitors the project's progress approves funding
Early-enrolled Students	Students that enrolled for testing this idea and after the feasibility study, the application itself	Ensures the system will be adopted Advertising purposes

3.2 User Summary

Name	Description	Responsibilities	Stakeholder
Student	Student enrolled in one of the partner Universities	Captures Reports Sends feedback Reaches to universities	-
Administrator	Person managing the database	-creates other Administrators -sends feedback -keeps in touch with universities - CRUD rights on accommodation and students.	University

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University representative	Person employed by the University	-keeps track of accommodations of students enrolled in their university. -sends feedback -rights to delete or add accommodation	University
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3.3 User Environment

The **target user** of this application is a Student which is sick of expensive accommodation in big cities that have campuses. For completing the task, we need at least **2 users**, the student that is willing to share his dorm room and the one that seeks a place to sleep. In case someone wants to travel in a group, we are talking about more users.

A direct competitor for this application is Airbnb, which has a more general approach on accommodation sharing, and is not directly targeted towards students.

An **environmental** constraint is that both parts need to be in front of a Personal Computer while using the application, this being the system platform for now. In future, the application could be implemented for a mobile platform, thus eliminating the inconvenience of a personal computer.

The application only needs a PC with Java Runtime Environment 1.8 in order to work, and does not depend on anything else.

4. Product Requirements

In theory, the only requirements of the DormShare application is a PC running MS Windows 8 and higher with working network connectivity.