

Roommate and Accommodation Management System

Project Overview

ROOM & MATES is a web application designed to simplify the process of finding suitable accommodation and compatible roommates according to one's preferences. This innovative system addresses the challenges faced by individuals, particularly international students moving to new countries or regions, in their search for housing and potential cohabitants.

Background

Finding appropriate living spaces and compatible roommates is often a daunting, time-consuming, and uncertain process. Traditional methods of searching for rooms and roommates can be inefficient and overwhelming without knowing its legitimacy. The ROOM & MATES project emerged as a response to these challenges, aiming to streamline and modernise the housing search experience and to assist and find roommates according to your preferences.

Objectives

The primary objectives of the ROOM & MATES project include:

1. Establish a centralised and streamlined database to manage information about users (room seekers and landlords), available accommodations, user preferences, rental agreements, and other relevant data.
2. Implement an efficient and transparent system for matching potential roommates based on preferences such as location, lifestyle, budget, and habits, ensuring optimal roommate compatibility.
3. Institute a comprehensive search and filtering system for accommodations, enabling users to search for available properties based on location, price, type of accommodation, and proximity to key amenities.
4. Encourage collaboration and information sharing among users by offering features that allow them to leave reviews and feedback on accommodations, neighbourhoods, and roommate experiences, contributing to a transparent and informed decision-making process.
5. Provide data visualisation tools to generate insightful reports and dashboards on accommodation trends, user preferences, and roommate compatibility statistics, helping users and landlords make informed decisions based on historical data and patterns.

Purpose

The primary purpose of ROOM & MATES is to revolutionise the process of finding accommodation and roommates by:

1. Simplifying the search process for both rooms and compatible roommates.
2. Reducing the time and effort required to find suitable living arrangements.
3. Finding accommodation with appropriate roommates with each student's preferences with additional filters.
4. Providing a secure and reliable platform for all aspects of the room search and roommate-matching process.
5. Ultimately, creating a more efficient and user-friendly solution to address the challenges of finding housing and building connections in new environments.