**SOFTWARE REQUIREMENTS SPECIFICATION (SRS)**

*(FOR PG LISTING AND HOUSE RENTAL WEBSITE)*

**Project Name**: PG and House Listing Website  
**Prepared by**: Gopinath Ojha, Harapriya Panda, Dibya Ranjan Sethi  
**Date**: [12-11-2024]

**1. Introduction**

**1.1 Purpose of the Document**

The purpose of this Software Requirements Specification (SRS) document is to define the requirements and outline the functionalities of the PG and House Listing Website. This document provides a detailed description of the objectives, user needs, and the scope of the project, which will assist developers, designers, and stakeholders in understanding the system requirements. Additionally, it serves as a foundation for future maintenance and upgrades.

**1.2 Scope of the System**

The PG and House Listing Website is designed to simplify the rental process by enabling property owners to list their PG accommodations or houses for rent and allowing potential customers to search and contact the owners directly. This system will provide a platform for property owners to add listings that include details such as images, address, number of BHKs, and availability for specific user groups (families, couples, girls, boys, or bachelors). The target users are individuals seeking rental properties and property owners looking to list their accommodations. Key features include:

* Property listings with images and detailed information
* Search filters by location and property type
* Direct communication between property owners and customers
* Responsive design for accessibility on various devices
* User authentication for secure interactions

**1.3 Definitions, Acronyms, and Abbreviations**

* **PG**: Paying Guest accommodation
* **BHK**: Bedroom, Hall, and Kitchen
* **HTML**: HyperText Markup Language
* **CSS**: Cascading Style Sheets
* **UI**: User Interface
* **MySQL**: Structured Query Language database
* **Django**: A high-level Python Web framework

**1.4 References**

* **HTML, CSS, JavaScript** – Resources for frontend development, including [MDN Web Docs](https://developer.mozilla.org).
* **Django Documentation** – [Django Project Documentation](https://docs.djangoproject.com).
* **MySQL Documentation** – [MySQL Reference Manual](https://dev.mysql.com/doc/).

**2. Overview**

This document outlines the specific requirements for developing a PG and House Listing Website. The system will serve as a bridge between property owners and potential renters, facilitating property management and rental search. The SRS includes requirements for both the front-end and back-end components of the website, detailing the functional and non-functional aspects of the system. Key stakeholders include property owners, renters, developers, and administrators, each having distinct roles and requirements in the system.