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# <JOSHSIAH: BOARDING HOUSE MANAGEMENT SYSTEM>

## FUNCTIONAL REQUIREMENTS DEFINITION

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Version <1.0>  
<10/04/2023>

## VERSION HISTORY

Version #	Implemented By	Revision Date	Approved By	Approval Date	Reason
1.0	Arjay Manacap	09/19/2023	Axel Sebastian Narciso	09/21/2023	Initial Functional Requirements Definition draft

## TABLE OF CONTENTS

<b>1 INTRODUCTION.....</b>	<b>4</b>
1.1 PURPOSE OF THE FUNCTIONAL REQUIREMENTS DEFINITION.....	4
<b>2 BUSINESS REQUIREMENTS OVERVIEW .....</b>	<b>4</b>
<b>3 FUNCTIONAL REQUIREMENTS .....</b>	<b>4</b>
3.1 FUNCTIONAL REQUIREMENT #1: DATA MANAGEMENT .....	4
3.2 FUNCTIONAL REQUIREMENT #2: PROCESS AUTOMATION .....	4
3.3 FUNCTIONAL REQUIREMENT #3: BILLING AND PAYMENTS.....	4
3.4 FUNCTIONAL REQUIREMENT #4: REPORTING AND ANALYTICS.....	5

# **1 INTRODUCTION**

## **1.1 PURPOSE OF THE FUNCTIONAL REQUIREMENTS DEFINITION**

The purpose of this Functional Requirements Definition Document is to outline the specific functional requirements for the Boarding House Management System, a web-based platform with API integration. These functional requirements will serve as a detailed guide for the design, development, and testing of the system, ensuring that it meets the business objectives and operational needs.

## **2 BUSINESS REQUIREMENTS OVERVIEW**

The Boarding House Management System is designed to streamline and enhance the management of boarding houses in the Philippines. It will fulfill the following business requirements:

The system will facilitate efficient data management, allowing boarding house owners to maintain accurate records of tenants, room allocations, and lease agreements. It will automate various processes such as room booking, check-in, and checkout, reducing manual workloads and minimizing errors in managing room occupancy. Billing and payment processes will be automated, ensuring timely and accurate rent collection and financial transactions tracking. Comprehensive reporting and analytics capabilities will provide valuable insights into occupancy rates, revenue, and other key performance indicators, enabling owners to make informed decisions to optimize their boarding house operations.

## **3 FUNCTIONAL REQUIREMENTS**

### **3.1 FUNCTIONAL REQUIREMENT #1: DATA MANAGEMENT**

The Boarding House Management System shall provide robust data management features, including:

- Tenant Management: Allow administrators to add, edit, and delete tenant profiles with information such as names, contact details, and necessities.
- Room Allocation: Maintain room allocation records, including room numbers, types, availability status, and assigned tenants.
- Advanced Search and Retrieval: Implement search and retrieval functionalities for tenant and room information.

### **3.2 FUNCTIONAL REQUIREMENT #2: PROCESS AUTOMATION**

The system shall automate critical processes to enhance efficiency, including:

- Check-In and Check-Out Automation: Streamline moving in and moving out processes with automated key distribution and room inspection checklists.
- Notifications: Automate notifications for rent due dates, lease renewals, and room availability.

### **3.3 FUNCTIONAL REQUIREMENT #3: BILLING AND PAYMENTS**

Efficient billing and payment processing shall be achieved through the following functionalities:

- Payment Confirmation and Receipts: Send payment confirmation and receipts to tenants via email or the user portal.
- Payment History Tracking: Maintain a comprehensive payment history and track outstanding balances.

### **3.4 FUNCTIONAL REQUIREMENT #4: REPORTING AND ANALYTICS**


The system shall provide robust reporting and analytics capabilities, including:

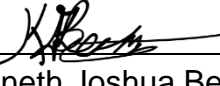
- Financial Reports: Create financial reports summarizing revenue, expenses, and profit margins.
- Data Visualization: Visualize data through charts and graphs to facilitate decision-making.


## Functional Requirements Definition Approval

The undersigned acknowledge they have reviewed the <JOSHIAH: BOARDING HOUSE MANAGEMENT SYSTEM > Functional Requirements Definition and agree with the approach it presents. Any changes to this Requirements Definition will be coordinated with and approved by the undersigned or their designated representatives.

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