Group 03 – Table of Five™

Hotel Management Website
Vision Document

Version <1.0.1>

Revision History

Date	Version	Description	Author
12/11/2022	1.0.0	Create a Vision Document	Nguyen Le Son
26/11/2022	1.0.1	Fix Grammar errors Add Non-functional requirement Change version system to Major-Minor-Fixes	Le Tran Trung Hieu

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Vision (Small Project)

1.   Introduction

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

1.1   References

https://flutter.dev

2.   Positioning

2.1   Problem Statement

The problem of	Managing the employees and accessing the service easily to the customers
affects	The owner and the customers
the impact of which is	The owner who lacks experience or needs support to help them manage the employees, and the customer who needs a new easy way to access the services of the hotel.
a successful solution would be	Helping the owner to manage the employees easier with high responsibility and helping the customer access

2.2   Product Position Statement

For	Staff of the hotel and customer
Who	Manage the staff of hotel and help the customers access the service
The (product name)	
That	Help the owner manage their staff and help the customers access the service of the hotel
Unlike	Some of the current apps like Traveloka
Our product	Connects the owner and the employees, help the customers easily access the service of the hotel

3.   Stakeholder and User Descriptions

3.1   Stakeholder Summary

Name	Description	Responsibilities
IT Group: Table of Five™	The small group of IT developer	Responsible for the project and maintain and update the system if it has errors.
Miss Nguyen Thi Minh Tuyen	Professors	Make the advice to fix the error or bug of the project, improve the project management.

3.2   User Summary

Name	Description	Responsibilities	Stakeholder
Customers	Access the services of hotel by paying	Notify the error from the website to admin, capture the update of the website, access to hotel customer service	End-user
Staff	Access the functions of manage their work and help the owner to manage the employees	Notify the error from the website to admin, receive the update of the website, edit the work schedule, access to staff service.	Self-represented
Admin	Manages the database of staff and customers, maintain and update the website, full access to all the roles	Maintain and update the website, Responsible for the server of the website, fix any bug, error that other roles notify to admin	Self-represented
Bot	access to API to perform roles management automatically	Access to API, database to change the roles of User, announce update from the Admin to all the User.	

3.3   User Environment

. With the above topic, a management website will have 4 main roles: Admin, employee, bot and customer. Users will access the website of the hotel to do all the features of this web. The website can go to the website on all devices like laptop and smartphone. With each roles, we will have its own support functions to perform:
+ Customers: Customers will be separated into some roles based on customer membership by registration and booking hotels multiple times. Each customer roles have different benefits including access to some of facility, free food / drinks, personal budler / maid, discount on next visits
+ Staff: Depends on their roles in staff management. They can check the list of booked rooms, check the rooms status, check customer information, calculate the budget, check-in / check-out guests, check room requests, issue discounts, can manage customer roles...
+ Admin: Manage and have full access to all the roles above, divide the roles for staff and customer, check the server + client, update new things for the website.
+Bot: Have the access to API to perform roles management automatically, like promoting customers when certain criteria is met. Promote staff if they have worked long enough.

3.4   Summary of Key Stakeholder or User Needs

Need	Priority	Concerns	Current Solution	Proposed Solutions
Broadcast messages				

3.5   Alternatives and Competition

This website can't replace all viable alternatives that are used normally in the community. But the things we do for the website is we combine the management in the hotel(Hotel company) and the customer's participation in hotel service in one website.

4.   Product Overview

4.1   Product Perspective

4.2   Assumptions and Dependencies

5.   Product Features

5.1   Logon

All the users will have an account that can access this website. Each User has a role that admin gives them after signing up the account.

5.2   Book the room in hotel

The user who is the customer can book the room online on the website.

5.3   Buy the service

The user who is the customer can buy the hotel service online in the website or in the hotel .

5.4   Customer care

The user who is the customer can be supported by the staff of the hotel online in the website.

5.5   Check the work schedule of the staff

The user who is the staff can see their work schedule on the website.

5.6   Manage the employee

The user who is the staff role and the manager of the branch of the hotel can manage the employees by making the schedule for them, making a meeting, checking the process of working, salary,…

5.7   Check and edit user information

All the users can check the personal information on this website. You can edit it if something you need to change.

5.8   Notify some important update, information

The bot can notify some news, some changes of the website or some important things to the user.

5.9   Maintain the dataset of user

The admin will create the database of the user, maintain them, and be responsible for all databases.

5.10   Maintain and update the website

The admin will maintain and update the website as they like and notify the user.

6.   Non-Functional Requirements

6.1   Device:

Any device that support Chromium 107 or higher
(*Have at least 2 physical cores at 1Ghz, 2GiB more more RAM)

6.2   System Requirement:

Any operating system that support Chromium 107 or higher
(Windows 8.1+, Android 5+,)

6.3 Performance Requirement:

The application must be able to handle 100 users at its peak.
Every application resource should be smaller than 5MiB per file.
Every request sent should be responded to in less than 1000ms within Vietnam.
Package lost rate should be less than 1%.

6.4 Environment Requirement:

The environment must allow applications to perform read/write files/cookie operations.