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| --- |
| Company logo |
| Project Title |
| CS 2062 – Object Oriented Software Development |
|  |
| **Group members and roles** |
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Project Report Template

This document provides you a template for the report and guidelines on the level of details required. You can change the template if necessary to match your needs and the structure of your project. However, all the required analysis and models should be included in the report.

Workload balance

Work done in project deliverables and contribution to the report should be equally distributed among team members. Each member will be evaluated based on his/her contribution.

**Hint**: You can (roughly) equally divide use cases. But make sure each member has at least one critical (essential) use case.

Font for paragraph text

Times New Roman 12

Single (1.0) spaced

# Introduction

This chapter should be a group effort. Clearly state the contribution of individual team members.

## Client

Introduce the client. State all the information of the client that is **related to the project**. Eg: Company structure, Locations, Staff Details.

## Problem Statement

Describe the business scenario / Business problem your system will be addressing.

## Vision

System Objectives

Business Benefits

System Capabilities

## System Scope

Clearly define the system scope. What requirements are included in the system and what are not.

# Inception Phase

## Introduction

Clearly state individual contributions.

## Stakeholder Analysis

Identify stakeholders and their category, role, product focus, schedule focus and cost focus .

## Risk Identification and Feasibility analysis

Identify any possible risks and analyze the feasibility of the project.

## Requirement analysis

### Requirement gathering methods

Briefly describe the methods you used for requirement gathering. (Detailed descriptions are not required. Maximum half a page)

### Essential Use Case list

Identify and **LIST** the most critical use cases in your business scenario. (Detailed descriptions are not required)

### Non Functional requirements

Briefly describe any non-functional requirements of the system.(Detailed descriptions are not required. Maximum half a page)

# Elaboration

## Introduction

Clearly state individual contributions.

## Domain Modeling

### Event table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Event** | **Triggered** | **Use case** | **Source** | **Response** | **Destination** |
| 1. Room booking by the customers | Booking request | Reserving the room | Customer | Message of confirmation | Customer |
| 1. Customer Check availability of rooms | Room detail inquiry | Look up room details | Customer | Message of availability | customer |
| 1. Customer asking for details | Logistic detail inquiry | Look up logistic details | Customer |  | Customer |
| 1. Wedding hall bookings by the customer | Wedding hall booking Request. | Book wedding hall | Manager  Or receptionist  (according to customer requests) | Message of confirmation |  |
| 1. Updating the room prices and special Offers. | System update Request | Updating rates | Admin | Message of confirmation | Admin |
| 1. Update the wedding hall ratings by the admin | System update Request | Updating the rates | Admin | Message of confirmation |  |
| 8. Adding a staff member to the system by Manager | Add employee request | Adds a new employee | Manager | Message of confirmation |  |
| 9. Updating details of staff members Manager | Edit request | Update employee details | Manager | Message of confirmation |  |
| 10. Archiving staff member details by Manager | Staff detail change request | Updating archived staff table in database | Manager | Staff member detail being archived |  |
| 11. Time to generate employee salary report | “End of month” | Calculating salary of employees by the system |  | Employee salary report | Manager  Or assistant manager |
| 12. Adding details of extra payments for employees by the manager | Salary update request | Update employee salary details | Manager  Or assistant manager | Message of confirmation |  |
| 13. Time to notify birthdays of employees | “1 hour before birthday” | System notification |  | Notification or a reminder | Assistant manager |
| 14. Time to calculate the monthly report by the system | “End of the month” | Generating monthly report |  | Monthly report | Manager |
| 15. Adding details of expenditure of the day by the manager | Transaction detail update request | Update transaction details | Manager | Message of confirmation |  |
| 16. Adding details  of the total gain for the day by the manager | Transaction detail update request | Update transaction details | Manager | Message of confirmation |  |
| 17. Adding details of advance payments by the manager | Transaction detail update request | Update transaction details | Manager | Message of confirmation |  |
| 18. Time to notify manager and assistant manager about wedding hall bookings by the system | “2 days before the booked date” | Notification for Assistant Manager and Manager |  | Notification | Manager and Assistant Manager |
| 19.receptionist register payments | Transaction update request | Update payment | Receptionist |  |  |
| 20.notify remainder to pay | 12.00am on the day of departure | Notify receptionist |  | Balance notification | Receptionist |

**Event based approach**

### Use case diagram

Full use case diagram for the system

### Use case detailed descriptions

Provide use case detailed descriptions ***at least*** for the essential use case list identified for 2.6.2.

Each member of the group should prepare at least one **essential** use case description.

### Activity Diagrams

Activity diagrams ***at least*** for the essential use case list identified for 2.6.2.

### System Sequence Diagrams

SSD s ***at least*** for the essential use case list identified for 2.6.2.

**Entity based approach**

### Domain class diagram

Domain class diagram for the full system

### State chart diagrams

Identify the objects that have multiple states during their lifecycle, and draw the state chart diagrams for those objects.

# Conclusion

## Tools Used

State any tools you have used and their purpose.

## Project Status

Current state of the project and what is planned next.

## Problem encountered

**LIST** all the problems you encountered during the project so far, and **briefly** describe how you overcame those.