**Teamwork 5. (Project Plan)**

**Team name:** The Chamber of vision

**Team members:**

**Saniya Hameed, e2302181**

**Wiame Boualam, e2202754**

**Elizaveta Bikinejeva, e2202736**

**Magdalena Maria Jonczak ,e2202769**

**Project Plan**

1. **Project Overview**

Project Name: Hotel room Reservation.

Project Manager: Magdalena Jonczak, Magdajon@outlook.com, +358 40 159 7863.

Project Sponsor: Elizaveta Bikinejeva, John Snow, Hannah Montana.

Project Description: A hotel room reservation application, with different modes to give admin and receptionist rights, to update add and view the data. With possibility to sign in and log in.

1. **Scope**

The team of chamber of vision will create a web app that will include all necessary features to deliver a functional web App that will make them able to Book hotel rooms, with possibility of signup/login. Moreover, different rights will be added for admins and receptionist.

*Deliverables:*

• Functional application with comprehensive data on what rooms are available.

• A profile page for users (guest).

• Differentiated access for Admins and Receptionists.

*Exclusions:*

• Generating content (images, descriptions) for the website.

• Onboarding and training staff on how to use the new system

*Constraints:*

• Project must be completed no later than December 5, 2024.

• Doing the project for free.

*Assumptions:*

• Admins will supply all necessary data like room details, pricing, and availability. Doing the project for free.

**III. Objectives**

a. Functional website with all planned features possibly.

b. different interface between User, Admin and Receptionist.

**IV. Major functions**

1. *Room Booking:*

• Search and select available rooms.

• Real-time updates on availability.

1. *User Authentication:*

• Secure signup/login.

1. *Admin Dashboard:*

• Manage room listings and availability.

• View and manage bookings.

• User management.

1. *Receptionist Dashboard:*

• Check-in/check-out management.

• Room status updates.

• Guest management.

**V. Performance issues**

• Multiple users booking rooms simultaneously can cause conflicts or errors if not managed properly.

• Inefficient database queries or poor indexing can slow down the app.

• If the app isn’t optimized for mobile, performance will suffer on smartphones and tablets.

**VI. Project estimates:**

Development time is till 5th of December 2024.

**VII. Project risks**

*1. Risk analysis*

a. Identification

• Delays in project timelines.

b. Risk estimation

• Project delay, medium impact

*2. Risk management*

• Timeline Delays: Likely (3/5), Medium Impact (3/5)

*a. Risk aversion strategies*

- Maintain a buffer period in project timelines for unforeseen challenges.

*b. Risk monitoring procedures*

- Weekly progress reviews with the development team.

- Continuous integration and testing.

**VI. Communication Plan**

*a. Stakeholders:*

• Project Manager

• Admins

• Receptionists

• Users (Customers)

*b. Communication Methods:*

• Email for formal communication and updates.

• Meetings for progress reviews and issue resolution.

*c. Communication Schedule:*

• Weekly status meetings.

**VIII. Schedule**

*Phase 1:* Requirements gathering and planning.

*Phase 2:* Design.

*Phase 3:* Development.

*Phase 4:* Testing.

*Phase 5:* Launch.

*1. Task Network and Milestones:*

Start Date: To be announced

Design Completion: To be announced

Development Completion To be announced

Timeline Chart (Gantt Chart): A visual representation showing tasks, dependencies, and deadlines (created using Gantt chart software).

*2. Resource table*

**IX. Team Members: Developers, project manager.**

Development Tools: React, JavaScript

Version Control: Git

Database Technology: MySQL

Budget: No budget.

**X. Staff organization**

Developers: Wiame Boualam, Saniya Hameed, Elizaveta Bikiniejeva, Magdalena Jonczak

Project Manager: Magdalena Jonczak

**XI. Tracking and control mechanism:**

*Decision-Making Structure:*

Committee: Wiame Boualam, Saniya Hameed, Elizaveta Bikiniejeva, Magdalena Jonczak

*Escalation Process*

• Thru proper communication.

*Progress Monitoring*

• Weekly meeting.

*Key Performance Indicators (KPIs)*

• User satisfaction ratings

• Number of successful reservations made.

**XI. Closing plan**

*1. Project Closure*

• Final deliverables to be presented for approval.

• Comprehensive project documentation to be compiled.

*2. Lessons Learned*

• Document insights and areas for improvement.

*3. Post-Project Review*

• Overall review of performance.