

ROOMIECONNECT

A Social Media application that helps college students find housing and roommates.

Revised Product Management Documentation

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Table of contents

• Business Case-----	3
• Project Charter-----	3
• Team Charter-----	4
• Scope Statement-----	5
• WBS and WBS dictionary--	5
• Baseline and Actual Gantt Chart-----	6
• List of Prioritized risks-----	6
• Milestone reports-----	7
• Documents' interrelationships clear-----	7

Business Case

Project Name: RoomieConnect

Business Problem: Students worldwide face significant challenges in finding suitable accommodation or roommates. This process is often fragmented, time-consuming, and lacks transparency.

Solution: RoomieConnect aims to simplify this process by providing a centralized platform where students can connect with potential roommates and explore available housing options in a transparent and efficient manner.

Benefits:

- **For Students:** Easier, faster, and more reliable roommate and housing search.
- **For Institutions:** Supporting student accommodation needs aligns with institutional goals, potentially enhancing student satisfaction and retention.
- **For Developers:** An opportunity to innovate and build a scalable platform with potential for global expansion.

Costs: Initial development budget is \$60,000, with potential additional costs contingent on scope expansions.

Project Charter

Scope and Objectives:

- Enable students to connect with peers looking for rooms or roommates.
- Make the room and roommate search process transparent and user-friendly.
- Manage a cohesive team of developers, designers, and QA specialists.

Specific Objectives:

- **Personal Verification and Onboarding:** Secure and smooth onboarding.
- **24/7 Support Systems:** AI-powered support and live chat.
- **Matching Users:** Algorithm-based roommate matching.

Key Constraints:

- Must be operational by the end of November.
- Initial launch limited to GTA with potential for global expansion.

Authority and Responsibilities:

- Budget control, staffing, and project planning.
- Communications and status reporting.
- Change management and risk control.

Team Charter

Team Name: RoomieConnect Development Team

Team Members:

- Sampreet Klair (Product Manager)
- Harsahbaj Singh (Lead Developer)
- Hesam Nasirirad (Frontend Developer)
- Arshdeep Kaur (Backend Developer)
- Ritish Sharma (QA Specialist)
- Bavleen Kaur (UI/UX Designer)

Roles & Responsibilities:

- **Product Manager:** Oversees the entire project, ensuring alignment with business objectives.
- **Lead Developer:** Manages technical development, including backend and frontend integration.
- **Backend Developer:** Develops and maintains server-side logic, database management, and API development.
- **QA Specialist:** Ensures product quality through rigorous testing.
- **UI/UX Designer:** Designs user interfaces and user experiences that are intuitive and engaging.

Team Processes:

- Weekly stand-up meetings to assess progress.
- Bi-weekly status reports.
- Collaborative tools: Jira for task management, GitHub for code management.

Scope Statement

Project Objectives:

- Develop a centralized hub for students to find housing and roommates.
- Provide a secure and user-friendly platform with features like AI-powered support and personalized matching.

Deliverables:

- Fully operational RoomieConnect platform with backend and frontend integration.
- User onboarding and verification system.
- Matching algorithm and support systems.

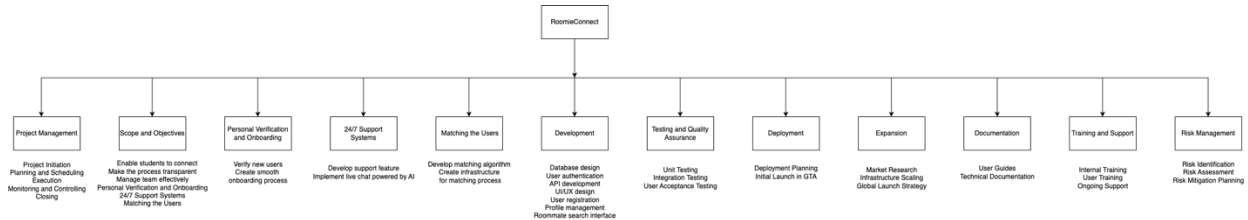
Exclusions:

- Initial versions limited to GTA; global expansion not included in the first phase.
- Non-student housing options are not within the scope.

Assumptions:

- User adoption will be sufficient to meet initial project goals.
- Necessary resources (e.g., developers, budget) will be available as planned.

Work Breakdown Structure (WBS) and WBS Dictionary

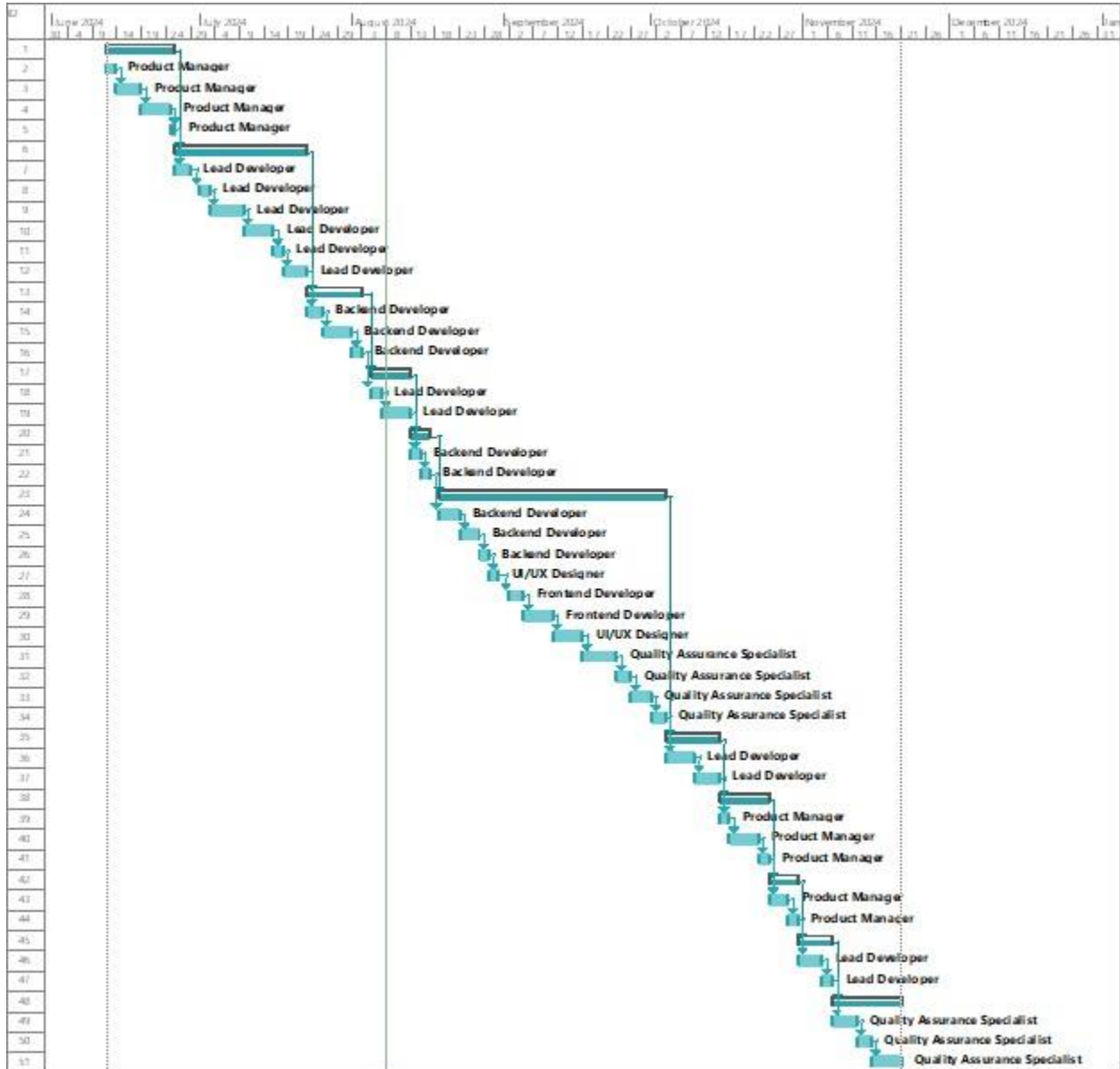


WBS Dictionary:

WBS Code	Task Title	Detailed Description
1	Personal Verification and Onboarding	Implementing a verification process to ensure users are real and not bots, enhancing security and trust. Developing a seamless onboarding experience for new users to make sign-up easy and welcoming.
2	24/7 Support Systems	Setting up a support system that operates 24/7 to assist users with their queries at any time. Integrating an AI-powered live chat feature to provide instant support and help users navigate the app.
3	Matching the Users	Creating an algorithm to match users with compatible roommates based on similar interests.
4	Development	Integrating the matching algorithm into the backend infrastructure for efficient processing. Designing the user interface (UI) to ensure it's user-friendly and visually appealing.
5	Deployment	Setting up the database to store user data securely and efficiently. Initializing the deployment process for our app so that the users can experience it.
6	Expansion	Conducting user experience (UX) testing to identify and fix any usability issues. Managing servers to ensure the app runs smoothly and handles user load effectively.
7	Documentation	Using MS Project to plan and track project progress, ensuring adherence to timelines. Managing changes in the project scope, schedule, and cost through an established change control process.
8	Training and Support	Hiring and onboarding employees with the required skill set to fill the human resource we need. Training and conduction knowledge transfer to the new e
9	Testing	Developing a comprehensive testing plan to ensure all features work as intended.
10	Risk Management	Identifying and fixing bugs that arise during testing phases.

Baseline and Actual Gantt Chart

- **Baseline:** The Gantt chart represents the planned timeline for all project activities, from initiation to deployment.
- **Actual:** This includes real-time updates on task completion and any deviations from the baseline schedule.



List of Prioritized Risks

- **Resource Availability:** Potential delays if key personnel are unavailable.
- **Budget Overruns:** Risk of exceeding the \$60,000 budget.
- **Technical Issues:** Unexpected challenges in development, particularly in matching algorithms.
- **User Adoption:** Risk that the platform does not attract sufficient users.

Milestone Reports

- **Project Initiation:** Completed as planned.
- **Backend Development:** On track with database and API development.
- **User Onboarding System:** Successfully implemented and tested.
- **Deployment in GTA:** Planned for completion by the end of November.
- **Post-Launch Evaluation:** Planned for two weeks post-launch to assess initial user feedback and system performance.

Documents' Interrelationships Clear

- **Business Case** provides the rationale behind the project.
- **Project Charter** outlines the scope, objectives, and team.
- **Team Charter** defines roles, responsibilities, and processes.
- **Scope Statement** details the project's boundaries and deliverables.
- **WBS and WBS Dictionary** break down the project tasks.
- **Gantt Chart** tracks the schedule and progress.
- **Risk List** identifies and prioritizes potential challenges.
- **Milestone Reports** provide status updates and guide project adjustments.

This document structure ensures that all aspects of the project are connected, enabling smooth project management and communication across the team.