



Business Requirements Document
(Guide S50 Version 1.0)
for
StuddyBuddyConnect
<Version 0>

Submitted to:
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1. DOCUMENT REVISION LOG

Date	Author	Version	Reason for Change

2. DOCUMENT REVIEWERS

Name & Title	Role	Approval Date	Version

3. APPROVER & SIGNOFF.

Name & Title	Role	Approval Date	Version
Signature:			

4. INTRODUCTION (Analysis Description)

4.1. DOCUMENT PURPOSE.

This Business Requirements Document outlines the requirements for the Tutor Buddy System, also known as StudyBuddy Connect, at Cebu Institute of Technology - University. The goal is to gather all the important requirements to create a tutoring platform that connects students and tutors, aligning with the university's educational goals and policies. By defining the needs of the university administration, faculty, IT department, student affairs office, students, and tutors, this document ensures everyone involved understands the project's objectives. It serves as a guide to building a strong system that supports learning and enhances the educational experience for all users.

4.2. DOCUMENT SCOPE.

The scope of this Business Requirements Document is to outline the business needs and requirements for the Tutor Buddy System, also known as StudyBuddy Connect, at Cebu Institute of Technology - University (CIT-U). This document focuses on capturing the specific needs of all stakeholders involved, including students, tutors, university administration, faculty, the IT department, and the Student Affairs Office.

This document intends to define and describe the:

- Detailed needs of the university and its stakeholders to ensure the system meets academic goals.
- Specific functionalities required by the end users, including students and tutors.
- Scenarios illustrating how the system will be used to support business processes.
- Information about who the users are and where they are located.
- Description of the processes and policies that guide how the system should operate.
- Detailed functionalities the system must have to meet user and business needs.
- Performance criteria the system must meet, such as security, scalability, and usability.
- Definition of the types of data the system will handle and how it should be managed.
- Requirements baseline and traceability, future considerations,

4.3. DOCUMENT INTENDED AUDIENCE

This Business Requirements Document (BRD) for the Tutor Buddy System at Cebu Institute of Technology - University (CIT-U) is intended for the following audience:

Project Stakeholders:

- University Administration: To ensure alignment with CIT-U's academic goals and policies.
- Faculty Members: To provide insights into course-related requirements and ensure the system meets educational standards.
- IT Department: To guide the design, development, and deployment phases based on the specified requirements.
- Student Affairs Office: To oversee the implementation and ensure it meets student support objectives.

Development Team:

- Software Developers: To use the functional and non-functional requirements to build the application.
- Testers: To develop and execute test cases ensuring the application meets the documented requirements.

End Users:

- Students and Tutors: To understand how the system is expected to function and provide feedback during the UAT phase.
- This is intended to provide a clear and comprehensive understanding of the requirements for the Tutor Buddy System, ensuring that all involved parties are aligned with the project's objectives and deliverables.

4.4. BUSINESS ANALYSIS APPROACH

The business analysis approach for the Tutor Buddy System project at Cebu Institute of Technology - University (CIT-U) involved a comprehensive set of tasks and activities to ensure the accurate capture and analysis of stakeholder requirements. The following methods were employed:

1. **Conceptual Requirements Gathering:**
 - Initial research was conducted to understand the basic needs and challenges in the existing tutor-student matching process at CIT-U. This included identifying the key pain points and desired features from both students and tutors.
2. **Input from SDLC Planning Phase:**
 - Insights from the System Development Life Cycle (SDLC) Planning phase were used to establish the framework for gathering business requirements. This included setting clear

objectives, timelines, and defining the roles of each team member involved in the analysis.

3. **Consultation Preparation:**

- Preparatory work was done to ensure effective consultations with stakeholders. This involved preparing discussion points, gathering preliminary data, and understanding the academic environment at CIT-U to tailor the system to the university's specific needs.

4. **Working Group Meetings:**

- Regular working group meetings were held with potential users and members of the group, including representatives from the student body and administrative staff. These meetings were crucial in refining the system's functional requirements and ensuring alignment with CIT-U's educational goals.

5. **Interviews:**

- One-on-one short interviews were conducted with students to gather detailed insights into their experiences and expectations. This qualitative data was instrumental in understanding the nuances of user requirements.

The combination of these methods ensured a thorough and well-rounded approach to business analysis, leading to a comprehensive set of requirements that reflect the true needs of all stakeholders involved in the Tutor Buddy System project.

5. FUNCTIONAL OVERVIEW

5.1. PROJECT OVERVIEW

StudyBuddy Connect is a dynamic tutoring system program that creates a smooth, interactive learning environment between tutors and students. Users of the platform can register as tutors or students, customizing their experiences according to their responsibilities. StudyBuddy Connect allows students to easily locate and schedule tutoring sessions with experienced professionals, improving their academic journey through individualized help and guidance. Alternatively, tutors can use their profiles to interact with students needing their help, manage their availability, and highlight their areas of expertise. StudyBuddy Connect seeks to increase access to individualized learning by creating a collaborative learning environment that makes high-quality tutoring more affordable, convenient, effective, and enjoyable for everyone.

5.2. FUNCTIONAL REQUIREMENTS

1. **User Registration and Profile Management:** Both students and tutors must be able to register, create, and manage their profiles. Students can specify their learning needs and preferred subjects, while tutors can list their expertise, set availability, and update their profiles with qualifications and rates.

2. **Matching System:** The system should allow students to search for tutors based on subjects, availability, ratings, and other criteria. A matching system will also suggest the best tutors for a student's needs, enhancing the ease of finding the right tutor.
3. **Session Scheduling:** Students must be able to view tutors' availability and schedule sessions directly through the system. The scheduling system should allow for easy booking, cancellations, and rescheduling, with real-time updates on session availability.
4. **Notification System:** The system should provide real-time in-app alerts, email notifications, and push notifications for important updates, session reminders, message notifications, booking confirmations, payment reminders, progress updates, and tutoring opportunities. Users should be able to customize their notification settings to control the types of alerts they receive. By effectively utilizing notifications, StudyBuddy Connect can enhance user experience, improve communication, and ensure that users stay connected to the platform.
5. **Communication Hub:** The app should feature a comprehensive Communication Hub that enables seamless interaction between students and tutors. This hub supports in-app messaging for instant communication, file sharing for exchanging notes and assignments, and coordination of session details. It also facilitates voice and video calls for real-time engagement during tutoring sessions, including group chats for collaborative learning in classes. The Communication Hub includes push notifications to keep users updated on new messages and calls, and archives all communication for easy access and reference, providing a secure, integrated, and efficient communication channel within the platform.
6. **Feedback System:** After each session, students should be able to rate their tutor and provide feedback. Tutors can also provide feedback on student performance. This system will help maintain quality standards and guide future users in making informed decisions.

5.3. LOGICAL DATA MODEL

