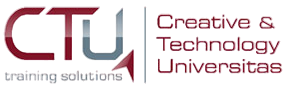
A screenshot of a video game

Description automatically generated with medium confidence



*CTU-Buddy*

*Software Requirements Specification*

*IT Faculty*

*Programming Foundation Memorandum*

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## Introduction

Purpose of CTU-Buddy website

The CTU-Buddy website aims to enable all students to have access to an online platform that will enhance their learning experience.  
The website was created to encourage students to partake in discussions, share resources and also have access to previously shared content.

The website creates a friendly environment where students can ask questions and receive feedback from several users.

CTU-Buddy also encourages students to stay up to date with their schedules, by incorporating a timetable.

Team members with Roles and Responsibilities

Wihan Stoltz – Creator of the “Contact Us” page, and responsible for compiling the final website.

Zander Bennett – Creator of the “Discussions” page and SRS document.

Wynand Pieters – Creator of the “Home” page and “Timetable” page.

Melanie Pretorius – Creator of the “Share Resources” page and “About Us” page.

## Project Description

At City Technical University, the existing methods of managing academic resources, facilitating communication, and promoting collaborative learning are outdated and inefficient. Students struggle to manage their schedules effectively, access relevant educational materials, and engage in meaningful discussions.

The CTU-Buddy website is a comprehensive web-based platform designed to revolutionise the learning experience of students, attending City Technical University.

By integrating innovative technologies and user-orientated features, CTU-Buddy aims to address challenges faced by faculty, students, and administrative staff. The interactive system facilitates effective time management for students through personalised timetables, provides access to a diverse range of educational resources, and fosters collaborative learning environments through discussion forums.

What users can expect from the CTU-buddy website is improved time management, by incorporating an interactive timetable, streamlined communications via a discussion page, efficient resource sharing, enhanced collaboration, and a user-friendly interface.

## System Features and Requirements

The CTU-Buddy website will have the following functionalities and requirements:

Home page – This will serve as the central hub, from where users can navigate to all respective pages. It will also feature relevant information regarding all pages on the CTU-Buddy website.

Timetable – The timetable consists of a user-friendly interface, where users can add and edit entries to keep up to date with their schedule. It will display the date, time, modules, and days of the week. Users will be able to access the timetable and its full functionality across various devices.

Discussion – The discussion page is an interactive platform, that will incorporate user profiles where users can engage with one another and collaborate by asking and replying to questions. It incorporates features and tools to facilitate a productive and respective learning community. Questions can be posted by category, to enable users to filter discussions specific to their studies.

Share Resources – Here students can upload and share educational resources, as well as browse through previously shared resources for offline access. If users wish to upload resources, they will be required to ensure that these resources are PDF format. The Share Resource page incorporates user-friendly features such as categorization and search functionality.

About Us – The About us page provides insight into CTU-Buddy and the team behind its development.

It includes information about the system’s purpose, vision, and mission.

Contact Us – A contact form is provided, to enable users to submit inquiries, suggestions, or feedback. For convenience, a map is included to provide a visual reference to the user.

Users will be required to enter all relevant contact details if they wish to receive feedback from CTU-Buddy administration.

Technology used for the creation of the CTU-Buddy website:

Front-End Development: HTML / CSS - Used for the structure and styling of the various web-pages to create an appealing and user-friendly interface.

Version Control: Github – Employed as the version control system for tracking changes to the project.

## Conclusion

The development of the CTU-Buddy educational system has been a transformative journey aimed at revolutionizing the learning experience of all students at City Technical University (CTU).

Through the integration of innovative technologies and user-centric features, CTU-Buddy has successfully addressed the diverse needs of students, faculty, and administration staff, providing a comprehensive and interactive platform for all users who utilize this system.

From personalized timetables and collaborative discussion forums to seamless resource sharing and efficient administrative management, CTU-Buddy expresses our commitment to enhancing education through technology. As we reflect on the milestones and achievements of this project, we remain dedicated to promoting a culture of continuous improvement and innovation, ensuring that CTU-Buddy continues to serve as a valuable tool in fostering academic success, and to facilitate an enhanced learning environment at CTU.