



FINAL YEAR PROJECT PROGRESS & TIMETABLE MANAGEMENT SYSTEM

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Abstract

Procrastination is one of the major struggles that can lead to negative impacts for many people in the modern world as the digitization process is becoming more influential on daily lives. Smart devices became crucial necessities in life these days which may invite unnecessary vulnerabilities for some people if they were utilised excessively without conscience and control. The timetable management system addresses the issues regarding procrastination through the development of effective timetables where users can improve as well as gain a healthy and productive lifestyle. Realistic approaches must be utilised for the development of the system to ensure it incorporates adaptability and flexibility for serving the current user requirements as well as future demands. Students are the major beneficiaries of the system as they will then be able to eliminate unnecessary procrastination from their lives which allows them to focus on the agendas that really matter.

Problem Statement

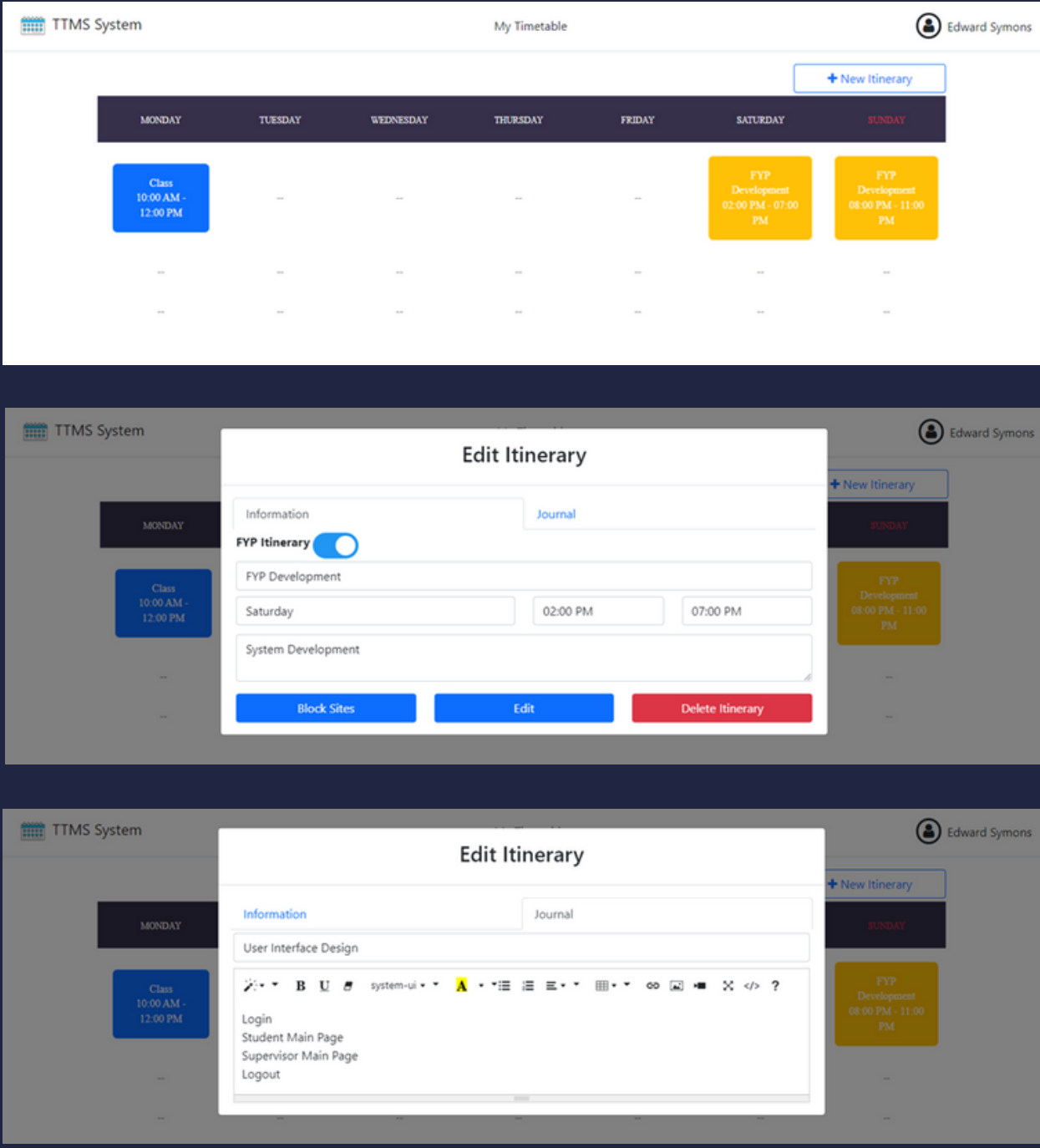
There is a problem with students following through with their timetables even after constructing them. Despite the availability of multiple timetable systems on the Internet such as Google Calendar and Outlook, these existing systems are generally catered for everyone and not specifically for students. They do not provide specific functionalities that would help prevent students from distractions effectively as they can still be easily exposed to distractions. This problem can negatively affect students especially in universities and colleges because many students struggle with having and following through a fixed timetable that would firmly allow them to be completely focussed on managing their Final Year Project throughout specific periods of time. Perhaps the development of a timetable system which can not only allow them to collaborate with their supervisors but can also allow them to set specific itineraries in the timetables with specific restrictions that would prevent them from distractions could help resolve the situation.

Literature Review

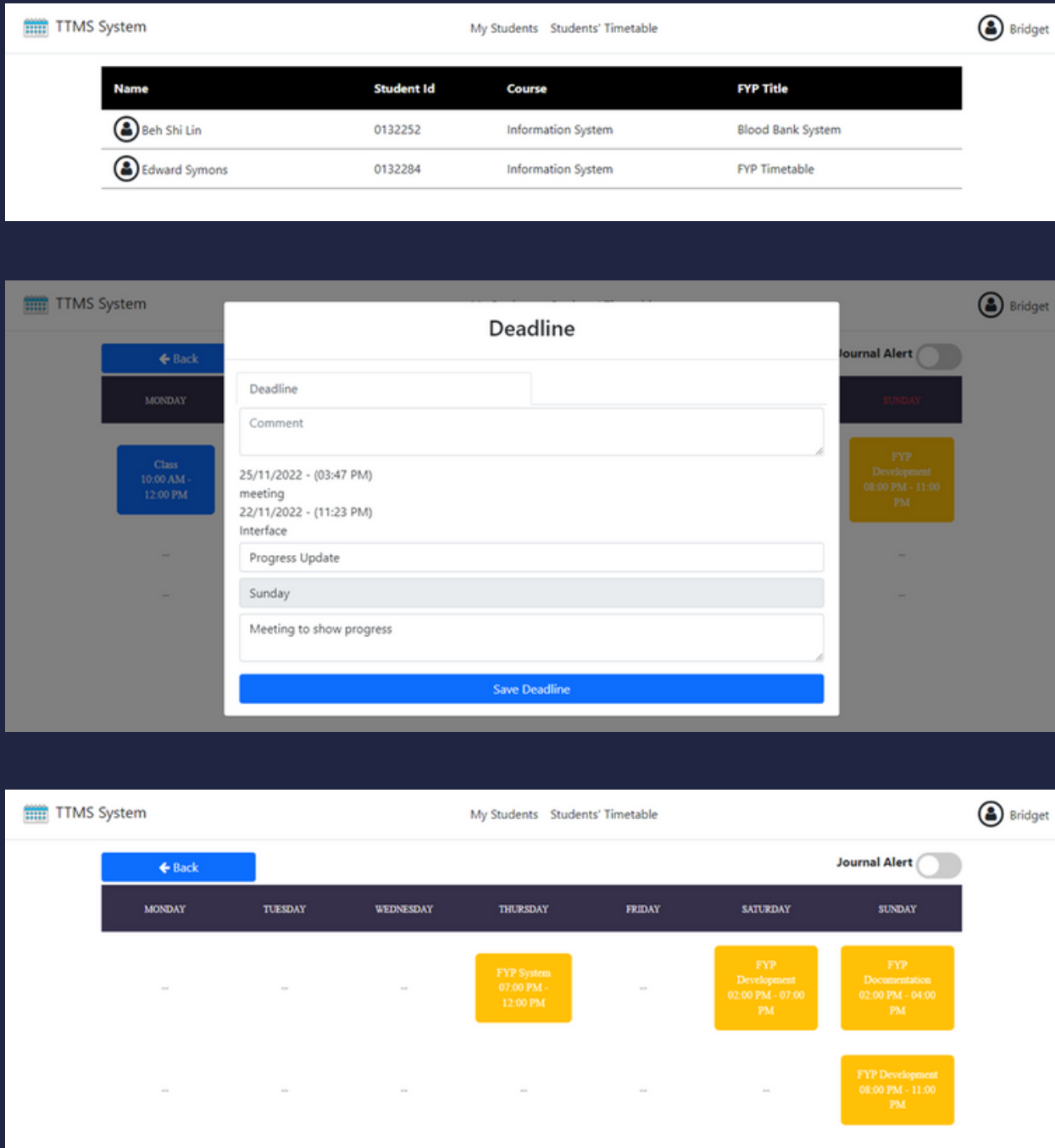
Field of study	<ul style="list-style-type: none">Scheduling and TimetablingCalendar Sharing
Existing System Study	<ul style="list-style-type: none">Timetable SystemSite BlockerMicrosoft Outlook and Google Calendar
Problem Research	<ul style="list-style-type: none">ProcrastinationEffects of Smart Devices
Technical Domain	<ul style="list-style-type: none">Visual StudioMicrosoft SQL ServerC#LINQ-To-SQLJavaScriptjQueryAjaxASP.Net MVC 5ASP.Net Core 6
Software Development Life Cycle (SDLC)	<ul style="list-style-type: none">Waterfall ModelSpiral ModelV-ModelIterative ModelAgile ModelRapid Application Development (RAD) Model
Research Instrument	<ul style="list-style-type: none">ExperimentInterviewSurvey

Results

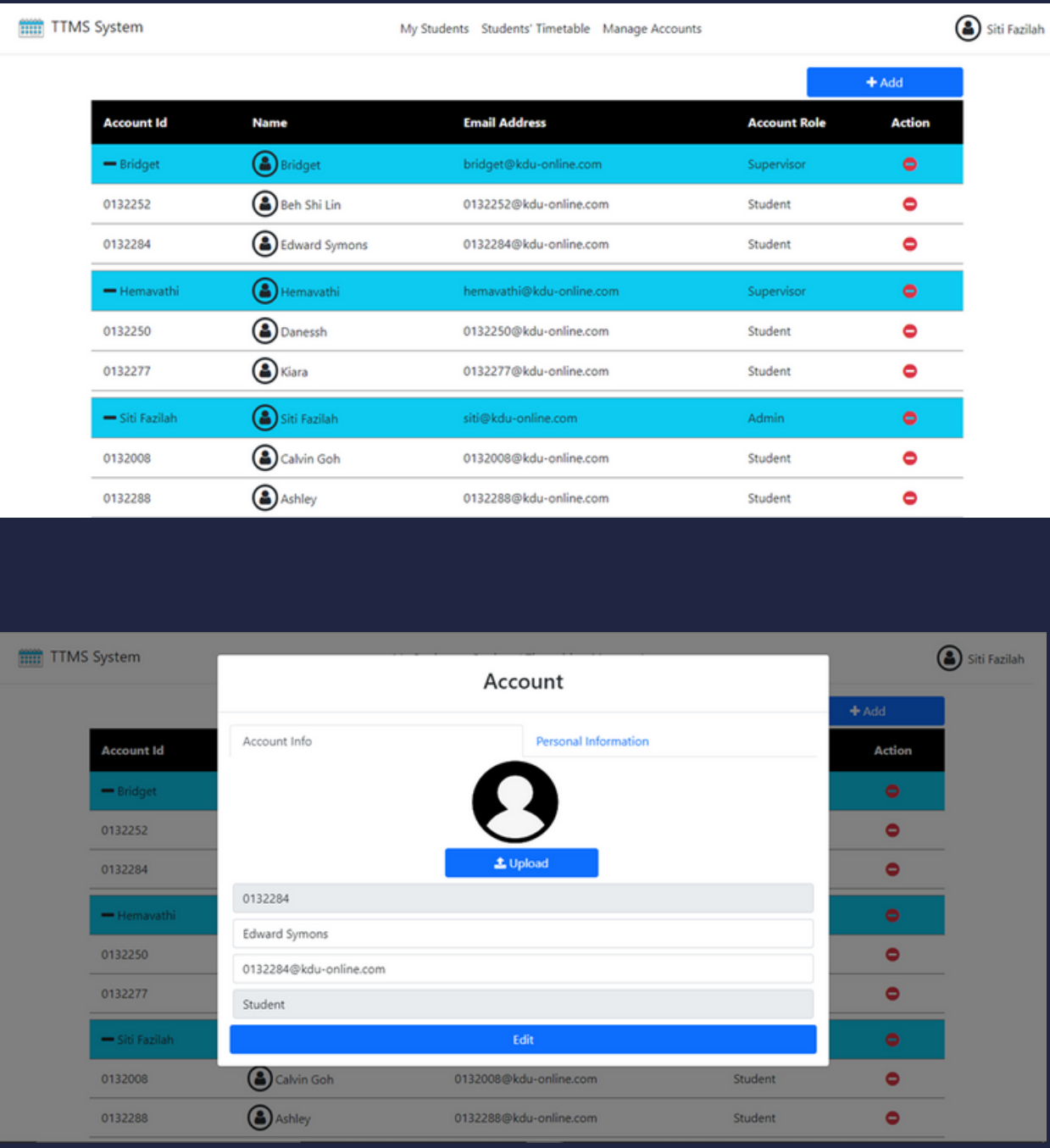
Student View



Supervisor View



Administrator View



Research Methodology

The Agile methodology is chosen for development of this system as it implies an iterative and incremental approach for project management that provides assistance in continuously meeting the changing demands as well as requirements. It also incorporates multiple methodologies which are established from the concepts of continuous improvement, flexibility, transparency, and quality. The methodology essentially simplifies the responsibilities during the development process and provides greater control over the project. Agile methodology can be seen as a unique approach for software development as it emphasises on the delivery of quality and value for the clients essentially managing the completion of the project with specified constraints.

Factor	Agile Software Development	Traditional Software Development
Flexibility	Flexible to changes throughout the development process	Does not welcome any change after the contract
Approach	Iterative & Incremental Approach	Linear Approach
Adaptability	Has the provision to adopt changes	Scope of the software is defined initially and no provision for adaptability later
Iteration	Various iteration cycles based on sprints which are usually for about two weeks	Iterations are welcomed only once the entire product is developed and delivered
Project Size	Can be used for project of any size	Recommended for small projects to minimize the margin or re-work or error
Deliverables	Working product delivered after each sprint	Fully working and finished product delivered at the end
Dependency	Limited dependency	Strict dependency on people, processes, technology, etc.

Conclusion

Most of the objectives and all the scopes have been successfully implemented as well as achieved for this project. The main aim of the project is to ensure students who are undergoing FYP have an effective time management with the assistances of their supervisors. Many challenges as well as doubts were faced such as low familiarity with Visual Studio and time constraints, but they ultimately shape my will power to not give up on completing this project. I strongly believe that the system from the project can help many students to deal with procrastination and time management. My hope is that I can also help others to potentially unlock ideas for new innovations that will help further improve our daily lives.