Vlog 2: Project Prerequisites/ Planning

By Team Riker

Refresher: Project Idea

Team members:

- Archisha Bhattacharya
- Bulbul Arora
- Yixu Zhou

Project Idea:

 A scheduling app for students that will allow them to see their coursework and due dates in a Calendar view and on a Kanban Board

Business Case

BUSINESS CASE			
Proposed Project	Our proposed project is a scheduling app aimed at university/high-school students for organizing time to work on coursework, offering a calendar view and a Kanban board.		
Date Produced	October 10, 2021		
Background	Students are assigned coursework, such as assignments and exams, by their instructors in school. Often students are overwhelmed trying to manage their heavy coursework. It can be challenging to find time out of their busy schedules to work on their assignments and exams and submit everything before the deadlines. Additionally, students in different time zones can find it difficult to manage their coursework as they have to consider the time differences.		
Business Need/ Opportunity Students are always looking for new ways that they can use their time better. As students, they will want to manage their effectively to complete their assignments and be prepared to before the due date.			
Options	Options considered: 1. Developing a proposed scheduling app with a Calendar view and Kanban board for our user groups (students) to use. 2. Developing a scheduling app with a Calendar view with an integrated to-do list (reduced scope) 3. Students will use a paper-based calendar planner available in the market. 4. Students will use an online calendar application.		
Cost-Benefit Analy	rsis		
user groups (students) Costs 1. Software 2. Amazon	roposed scheduling app with a Calendar view and Kanban board for our dents) to use. team of 3 for 3 months. Lightsail: \$3.50/month technology cost. Emerit 1. Increased productivity of students. 2. Efficient progress tracking system for coursework using automated Kanban board. 3. Visual representation of due dates in a month using a		

Calendar view.

2. Developing a scheduling app with a Calendar view with an integrated to-do list

Costs

- 1. Software team of 3 for 3 months.
- 2. Amazon Lightsail: \$3.50/month
- 3. Additional technology cost.

Benefi

- Increased productivity of students.
- Progress tracking has to be done via to-do list, no automation as the user will have to manually maintain the list.
- Visual representation of due dates in a month using a Calendar view.
- 3. Students will use a paper-based calendar planner available in the market.

Costs

- Financial expenditure of buying the planner from the market.
- Everything is handwritten.
- Not efficient as users will have to use a physical book.

Benefit

- Flexible, depends on the user how they want to use the planner with options of monthly, weekly, and daily planning.
- 4. Students will use an online calendar application.

Costs

- Tracking progress is not supported in most online calendar applications.
- Reduced quality as productivity decreases as users will have to use additional applications if they want a progress tracker.

Benefit

1. It is free of cost.

Recommendation

Developing our proposed scheduling app with a Calendar view and Kanban board for our user groups (students) to use is the recommended approach to fulfil the business need. The

Project Charter

PROJECT CHARTER		
Project Name	Riker Scheduling App	
Date Produced	October 10, 2021	
Project Goals	The project strives to develop a scheduling application for our user groups (students) that will allow them to manage their time better. The application wil give students the freedom to come up with productive schedules that work for them. It will help them efficiently complete their coursework before the due date.	
Project Objectives	Effectively manage their schedules to dedicate time for working on their coursework Get a visual representation of their monthly due dates. Track the progress of their coursework as "assigned," "in-progress," and "completed."	
Project Budget	Resources: \$20 Team members' man hours	
Project Sponsor	Dr. Tim Maciag, ENSE 374 Professor	
Project Manager	Archisha Bhattacharya, Developer	

Additional Key Project Stakeholders

Name	Role	
Archisha Bhattacharya	Developer	
Bulbul Arora	Developer	
Yixu Zhou	Developer	

0	verall Project Milestones	Dates	
	Project idea selection and introduction	October 1, 2021	
•	Project prerequisites/planning	October 15, 2021	
•	Project design architecture	October 29, 2021	
Project storytelling		December 6, 2021	

Overall Project Risks

- Time constraint.
- Work is done remotely; no physical meeting of team members can cause conflict.
 The team lacks experience and knowledge with developing web applications.

Stakeholder Register

STAKEHOLDER REGISTER				
Project Name	Riker Scheduling App			
Name	Project Role	Level of Power	Level of Interest	Level of Support
[Name of the person or group]	[Project role/title or the reason that they are a stakeholder]	[High/ Low]	[High/ Low]	[Supportive/ Neutral/ Unsupportive]
Team Riker	The team responsible for implementing the project	High	High	Supportive
Dr. Timothy Maciag	Sponsor	Low	High	Supportive
Students (Domestic and Overseas)	Customers/Users	Low	High	Neutral
Archisha, Bulbul	Users (Domestic)	High	High	Supportive
Yixu	User (Overseas)	High	High	Supportive

Stakeholder Engagement Plan

Project Name	Riker Scheduling App		
Name	About the Stakeholder	How to Engage the Stakeholder	
Team Riker	High Power, High Interest and Supportive. The team is responsible for implementing the project.	The team will have weekly meetings to determine the next steps in completing the project. These meetings will also be a medium to understand the strengths of the team members and how they can be used to complete the project in time. The team will also have weekly or bi-weekly scrums with the sponsor to confirm that they are or track. Monitor the team's progress carefully to make decisions about future roles and to assign tasks as per strengths rather than assigning tasks equally.	
Dr. Maciag	Low Power, High Interest and Supportive. Dr. Maciag is the sponsor and mentor for this project. Dr. Maciag will provide guidance but the decision-making power still remains with Team Riker.	The team will have weekly or bi-weekly scrums with Dr. Maciag. These scrums will include talking about past milestones and future steps. These scrums will guide the decisions made by the team while making important decisions about the project. Pay close attention to the remarks made by D Maciag in the scrums as they might be useful going forward in the project.	
Students (Domestic and Overseas)	Low Power, High Interest, Neutral. These students are our customers. These users were kept in mind while deciding on the project idea.	The customers will be briefed on what the application does and then will be monitored to determine the usability and utility of the project and if the project meets their requirements. Focus on some aspects while monitoring the customers. For overseas students, make sure that they are able to use the application effectively given the time difference. The application should automatically change the due date according to the student's time zone.	

Project Scope Statement

Project Name	Riker Scheduling App	
Project Deliverables Detailed Description		
[Deliverable] [Describe this deliverable in as much detail as possible.]		
Form affordances	Students need to input their course information to this form. Our web has three main affordances, assignment, lab, exam. So, students can view which event is coming soon.	
Kanban board interface	We will try to use the code to create a calendar like Kanban board Our interface needs to be easy to understand and use, just save students' time to learn how to use it.	
Calendar view The calendar will show the monthly calendar and the duy day, of the exam and so on.		

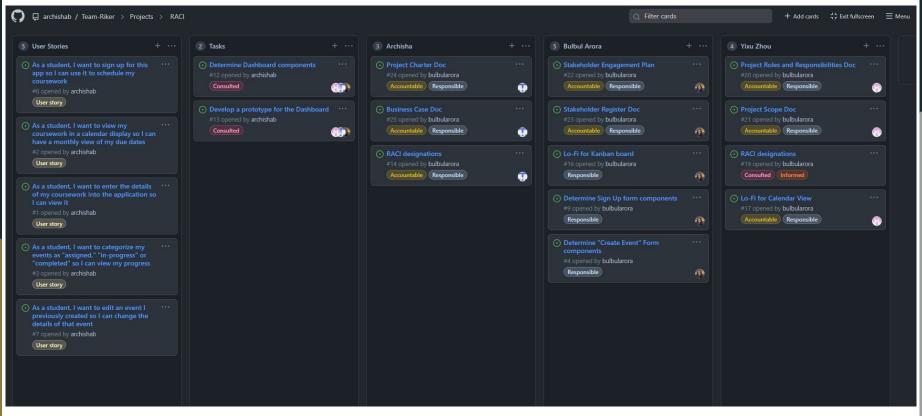
[Indicate anything that will not be included in the scope of the project.]

- Because the time is limited, we will only focus on helping students manage their coursework.
 We will not consider other careers like teachers etc.
- "Reminder" Feature: We would like to implement a notification system where the user gets a reminder every time something is due. This system is out of scope for us at this time.

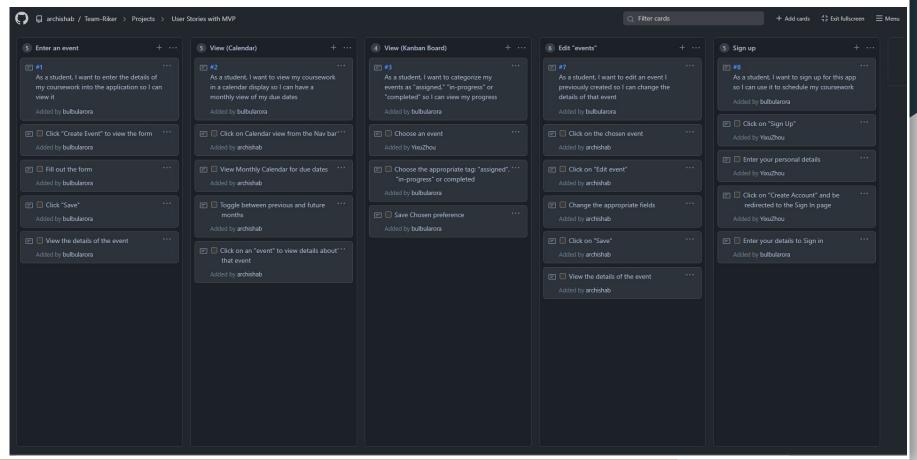
Project Roles and Responsibilities

	PROJECT ROLES	AND RESPONSIBILITIES	
Project Name	Riker Scheduling App		
Name	Role	Responsibilities	
[Team member name]	[Their role or job title]	[Detailed description of their project responsibilities and job duties]	
Archisha	Developer	RACI Visual Developing User stories Business Case Document Project Charter Project progress Vlog View Model Controller	
Bulbul	Developer	Creating MVP Stakeholder Register Doc Stakeholder Engagement Plan Project Progress Vlog Lo-Fi prototyping View Model Controller	
Yixu	Developer	Developing User Stories Project Roles and Responsibilities Project Scope Project Progress Vlog Model View Controller	

User Stories with integrated RACI Chart



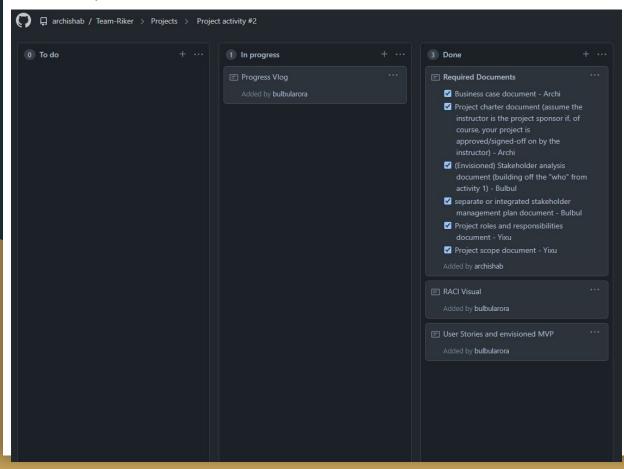
User Stories with MVP



Team reflection

- How did you feel about this activity? What did you like about it? What did you dislike about it?
- What did you learn about yourself as you collaborated and worked on this activity (individually and as a team)
- How will you use (or not use) what you have learned/experienced in this activity going forward?
- What "stuff & things" related to this activity would you like more help with?

Activity Kanban



Thank you!