SyncBoard

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Summary of Proposed Project:

SyncBoard is an application to improve the workflow of group projects with team management, scheduling, and communication. We plan to build this application using a MERN stack (Mongo, Express, React, Node). Syncboard will allow students to join teams or be assigned into groups by their professor. Teams can easily determine the best time to meet using a shared calendar, where students can view the availability of their group members. Additionally, professors can place deadlines on the calendar, which will be applied to all the group calendars. Teams can chat with each other and propose a time to meet with a poll. Once all the group members responded "yes" to the poll, the event will be automatically added to the calendar. Teams can organize their tasks by setting the status of their tasks from to-do, in-progress, or done. Professors can share important information, such as project requirements, in the Information section. Students can upload their project resources in that section. Finally, the Contact section provides students with easy access to the contact information of their professor, TA, and team members, ensuring clear and efficient communication throughout the project.

Users & Stakeholders

The primary users of SyncBoard are students and professors. Students benefit from an all-in-one platform that streamlines group project management by enabling efficient communication, scheduling, and task organization. They can collaborate with their team members through shared calendars, chat functionalities, and task management tools, ensuring better coordination and productivity. Professors play a pivotal role as both users and stakeholders. They use the platform to assign students to teams, set project deadlines, and share essential resources, fostering structured and organized teamwork.

Secondary stakeholders include parents, who are invested in their children's academic success and overall experience. SyncBoard indirectly provides value to parents by promoting effective group collaboration, reducing stress, and enhancing project outcomes for students. The platform also supports teaching assistants (TAs) by centralizing project information and enabling smoother communication between professors, students, and teams.

Requirements

Functional

1. All users must be able to log in and log out.
2. Professors must be able to assign students to teams.
3. Team members must be able to view other team member contact info.
4. Team members must be able to chat within their team groups.
5. Team members must be able to view a shared calendar, including group member availability and project deadlines.
6. Team members must be able to add/remove/edit events on the calendar.
7. Team members must be able to add, remove, or "check off" project tasks.
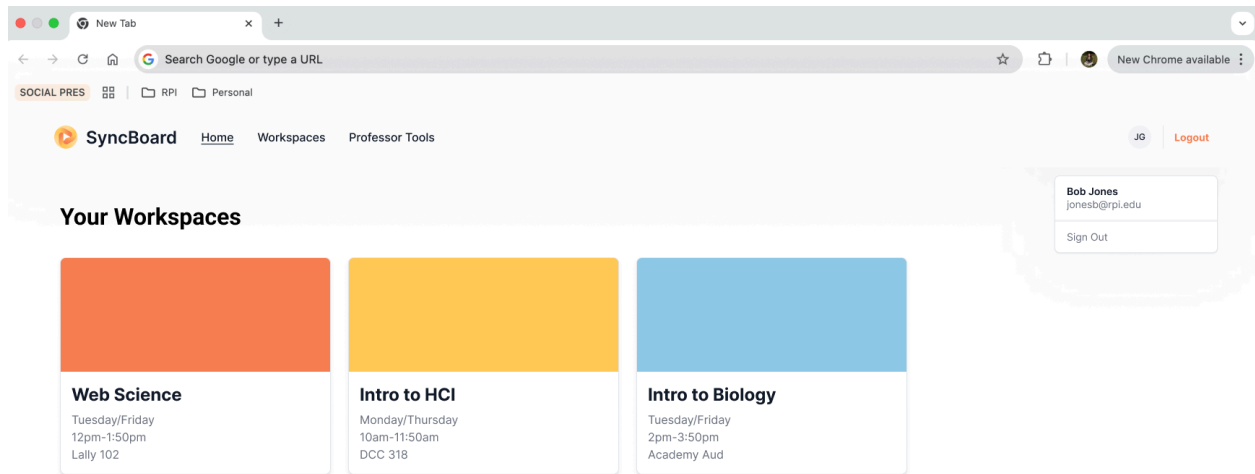
Non-Functional

1. Site must be secure and adhere to cybersecurity standards.
2. Site must be well designed, easy to use, and intuitive.
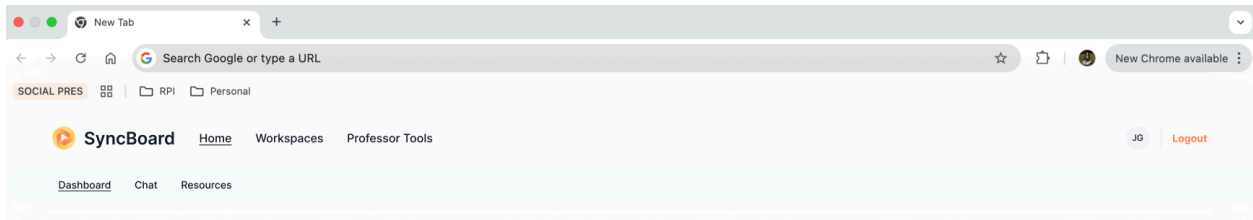3. Site must be functional on desktop and mobile screen sizes.

Project Schedule

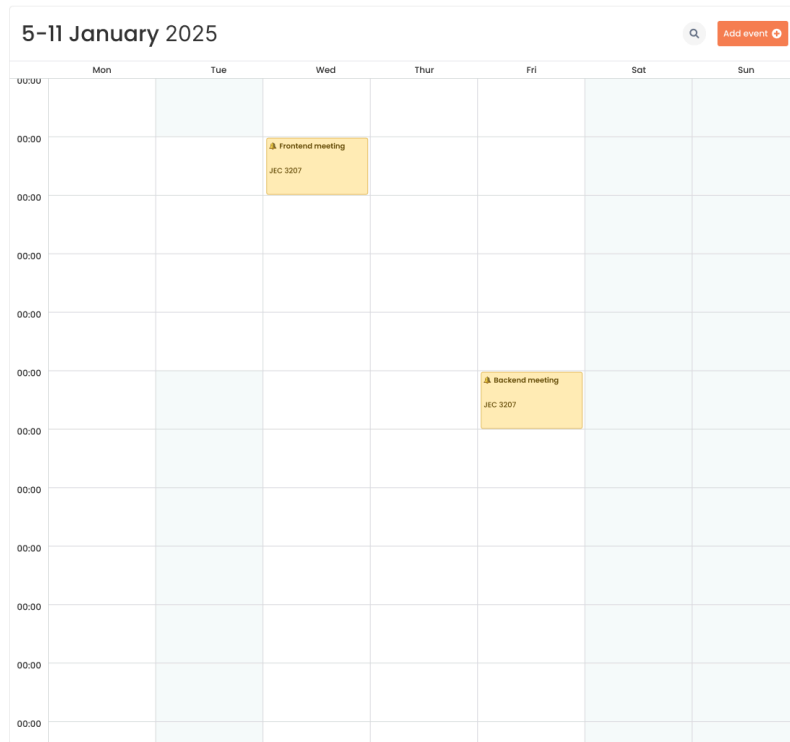| January 20	Project Proposals Completed
January 26	To Do Tasks Frontend
February 2	Information and Contact Frontend

February 9	Shared Calendar Frontend
February 16	Log in & sign up Frontend (Sprint 1 End)
February 25	Midterm Presentation (Frontend Completed)
March 2	Log in and sign up backend
March 9	Chat/Messaging API integration
March 16	Contact Backend (Sprint 2 end)
March 23	Calendar Backend
March 30	Tasks Backend
April 6	Information Backend
April 15th	All code completed and Sprint 3 end

Wireframes

SyncBoard   Home   Workspaces   Professor Tools

JG   Logout

Dashboard   Chat   Resources

Team Calendar

5-11 January 2025

Add event ⊕

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
00:00							
00:00			⚠ Frontend meeting JEC 3207				
00:00							
00:00							
00:00							
00:00					⚠ Backend meeting JEC 3207		
00:00							
00:00							
00:00							
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Tasks

TASK	STATUS
Proposal presentation	Completed
UI Mockups	Completed
Frontend implementation	In Progress
Midterm presentation	To Do
Backend implementation	To Do
Final presentation	To Do

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Dashboard   Chat   Resources

Team Chat

John Gray 11:46

Hello there,

We need to have a meeting to discuss the latest changes to be able to launch the product, please confirm when you are available.

Thank you

Seen

Mike Peters 11:46

I will immediately send you a calendar where you will see the times when I would be available for a call.

Mike Peters 11:46

Google calendar:

10 am	
11 am	
12 am	Available Time
1 pm	
2 pm	

Write message

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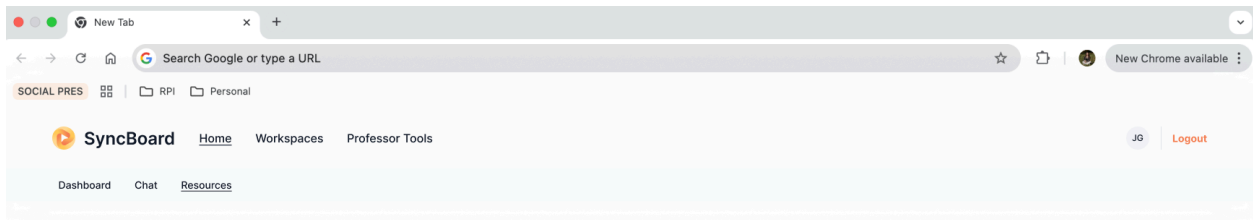
Links & Resources

DESCRIPTION	LINK
Proposal doc	docs.google.com/proposaldoc
Proposal presentation	slides.google.com/webscipresentation
Team github	github.com/syncboard
Flowbite UI library	flowbite.com
Brainstorming doc	docs.google.com/webscibrainstorm

Contact Information

NAME	ROLE	EMAIL	PHONE
John Gray	Member	grayj@rpi.edu	(123) 456-7890
Mike Peters	Member	petem@rpi.edu	(123) 456-7890
Sasha Brown	Member	brows@rpi.edu	(123) 456-7890
Brian Callahan	Professor	callab5@rpi.edu	(123) 456-7890
Priyanka Mandloi	TA	mandlp@rpi.edu	(123) 456-7890

Sitemap

SITEMAP

Home

Profile | Team Workspace | Prof. Tools

Chat | Calendar | Tasks | Resources | Contact Info
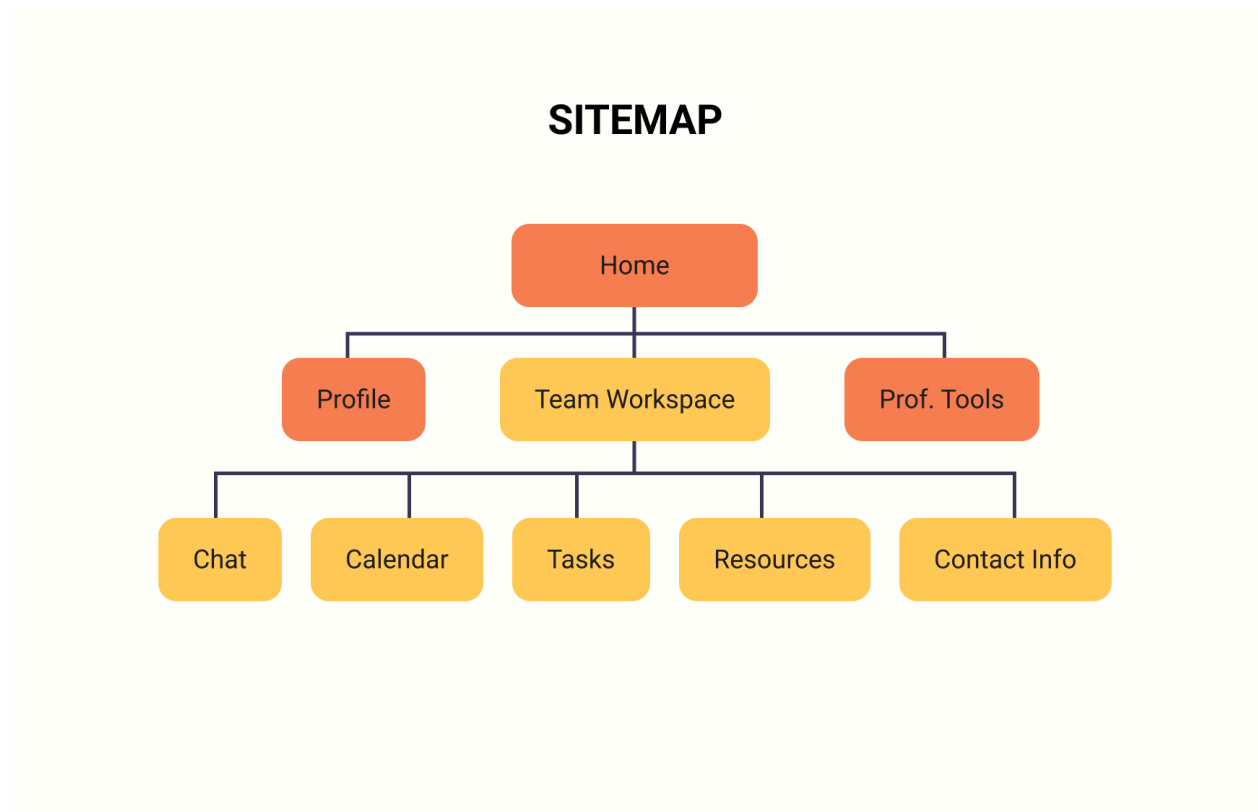
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