



A Bee-Themed Student Group Work Helper

Developed By: Javier Huang

<https://buzby.pages.dev/>

Code Structure

SvelteKit Frontend

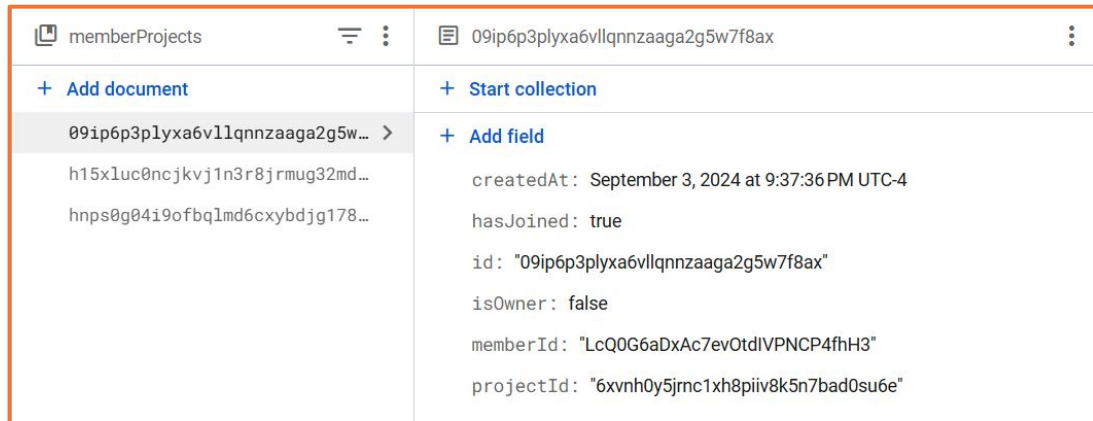
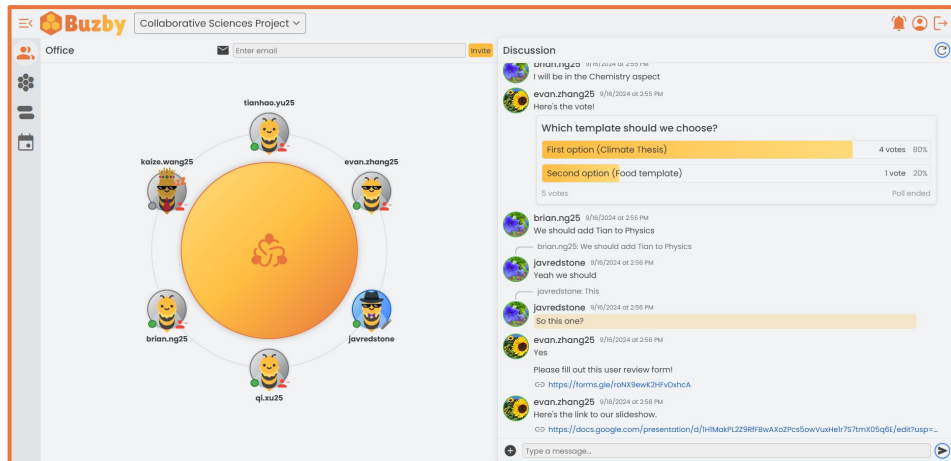
100% Custom Styling
and Design

Request

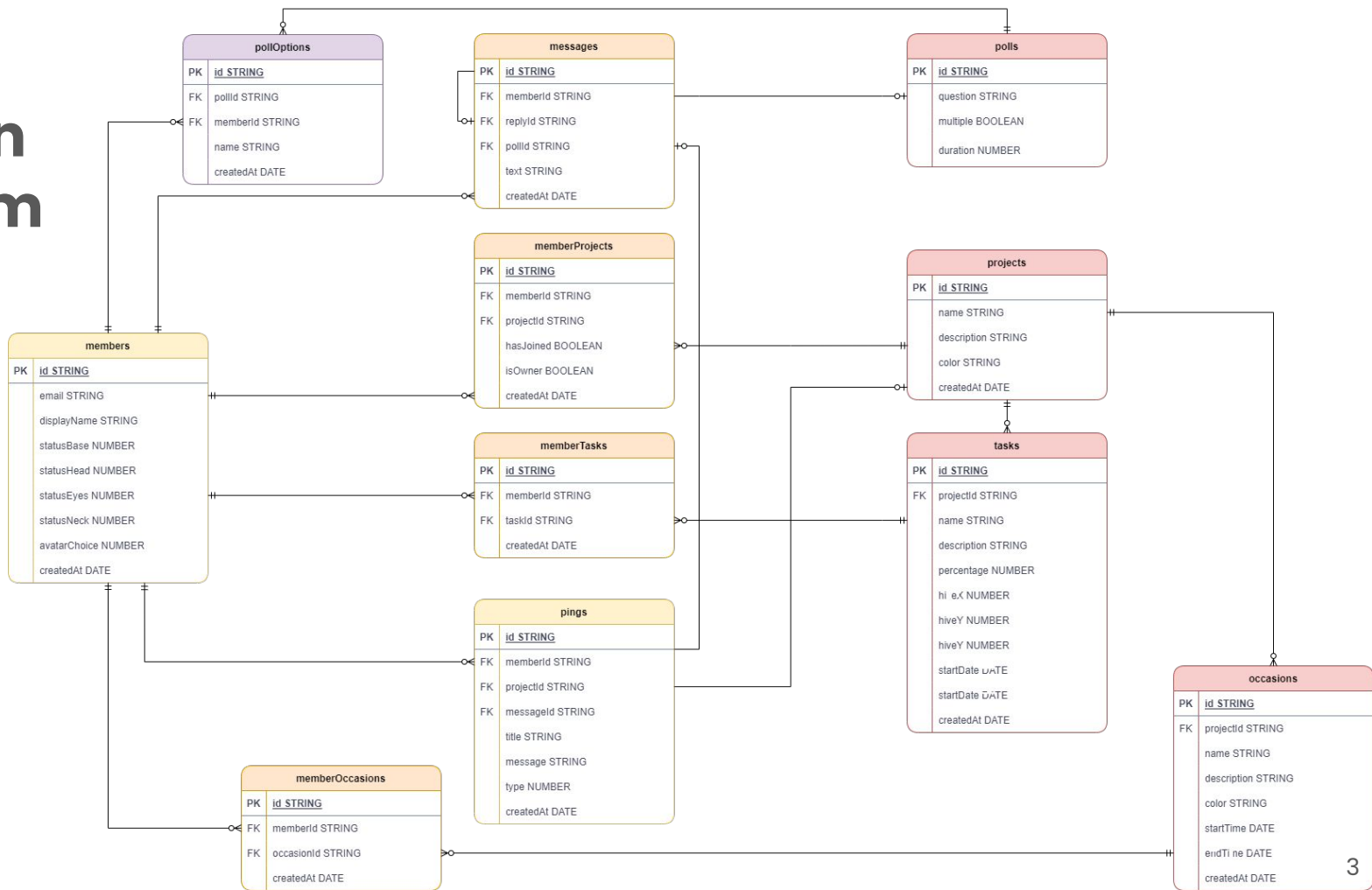
Response

Firebase Firestore

Online Cloud
Database +
Authentication API



Entity Relation Diagram



Home Page

The student can create a project and invite others to join, and make changes to it.

The screenshot displays the Buzby Home Page interface. At the top left is the Buzby logo and an 'Overview' dropdown menu. A '+ Create Project' button is located in the top left corner. The main content area is divided into two sections: 'Projects' and 'Requested Projects'. The 'Projects' section features a card for the 'Collaborative Sciences Project', which includes details about its purpose, member status, and creator. A 'Go to project' button is at the bottom of this card. The 'Requested Projects' section shows a message indicating no requested projects are found. Two callout boxes provide more detail: one titled 'Creating New Projects' shows a form with fields for 'Project Name', 'Project Description', and 'Member emails', along with a color selection bar and 'Create'/'Cancel' buttons; another titled 'Project Editing / Invitation / Deletion' shows a card with icons for adding members, editing, and deleting, along with the same color selection bar and 'Save'/'Cancel' buttons.

Creating New Projects

Projects

Collaborative Sciences Project

This is for our Grade 12 Collaborative Sciences Project (CSP)

6 members joined
0 pending members

jaredstone
Created: 9/16/2024 at 12:41 PM

Go to project →

Requested Projects

No requested projects found. Receive a request to join a project!

Project Editing / Invitation / Deletion

Collaborative Sciences Project

This is for our Grade 12 Collaborative Sciences Project

Save Cancel

Office Page

Inviting Members

Office

Enter email

invite

Discussion

brian.ng25 9/16/2024 at 2:55 PM
I will be in the Chemistry aspect

evan.zhang25 9/16/2024 at 2:55 PM
Here's the vote!

Which template should we choose?

First option (Climate Thesis)	4 votes	80%
Second option (Food template)	1 vote	20%

5 votes Poll ended

brian.ng25 9/16/2024 at 2:55 PM
We should add Tian to Physics

brian.ng25: We should add Tian to Physics

javedstone 9/16/2024 at 2:56 PM
Yeah we should

javedstone: This

javedstone 9/16/2024 at 2:56 PM
So this one?

evan.zhang25 9/16/2024 at 2:56 PM
Yes

Please fill out this user review form!
🔗 <https://forms.gle/r0kX9ewK2HfVdxhCA>

evan.zhang25 9/16/2024 at 2:58 PM
Here's the link to our slideshow.
🔗 <https://docs.google.com/presentation/d/1H1MakPL2Z9RfBwAXo2Pcs5owVuxHlr757tmX05q6E/edit?usp=...>

Type a message...

Students can discuss their project, send attachments, or use polls, as well as monitor each others' statuses.

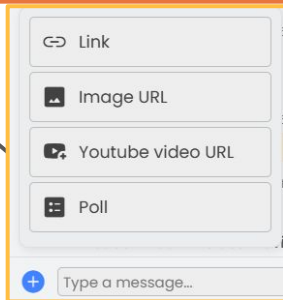
Chat / Discussion Panel

Member Moderation

Adjusting Avatar



Adding Chat Attachments and Polls



Hive Page

The screenshot shows the Buzby Hive interface for a 'Collaborative Sciences Project'. The main area is a grid of hexagonal tiles. One tile is highlighted with a blue border and shows 'Overall 66%'. An arrow points from this tile to the 'Add task' modal.

Add task

Task details

Task name

Task description

Assign members

☐ tianhao.yu25

☐ evan.zhang25

☐ javredstone

☐ qixu25

☐ brian.ng25

☐ kaize.wang25

Start date

End date

Add task **Cancel**

Creating
New Tasks

Assigning
Members and
Dates

Choose slideshow template

Choose a slideshow template

Assigned Members

☐ tianhao.yu25

☐ evan.zhang25

☒ javredstone

☐ qixu25

☒ brian.ng25

☒ kaize.wang25

Start date

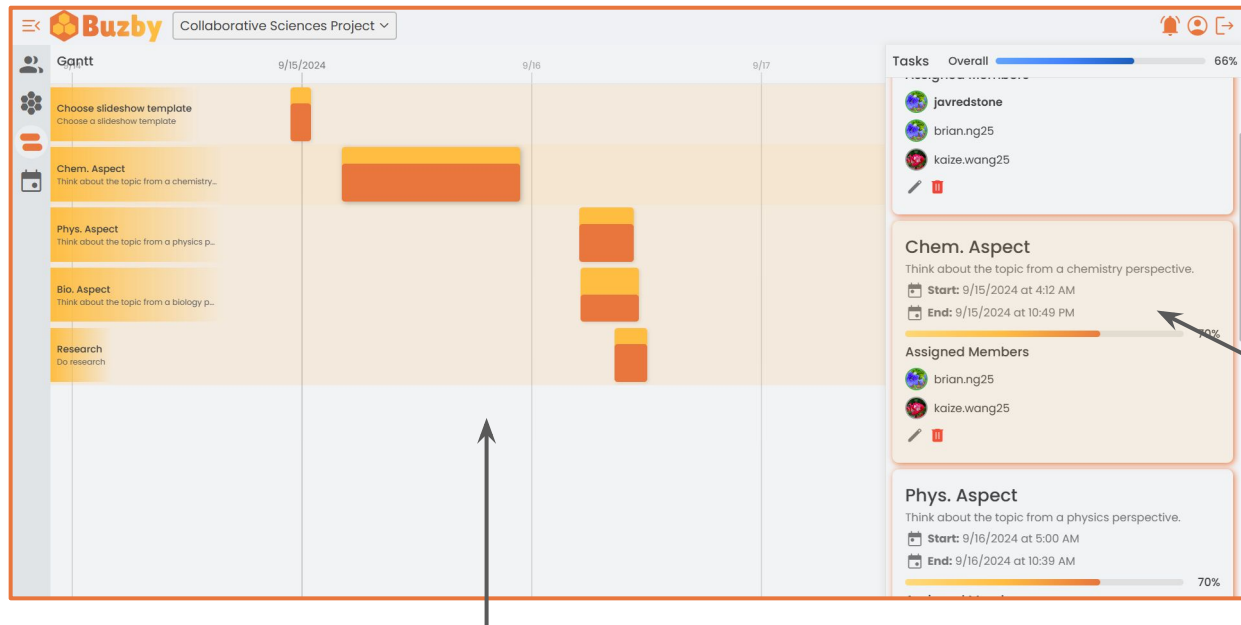
End date

Save **Cancel**

Students can create new tasks, assign them to others, monitor them, and get alerted when tasks are still not completed near their due date.

Task List Panel

Gantt Chart Page



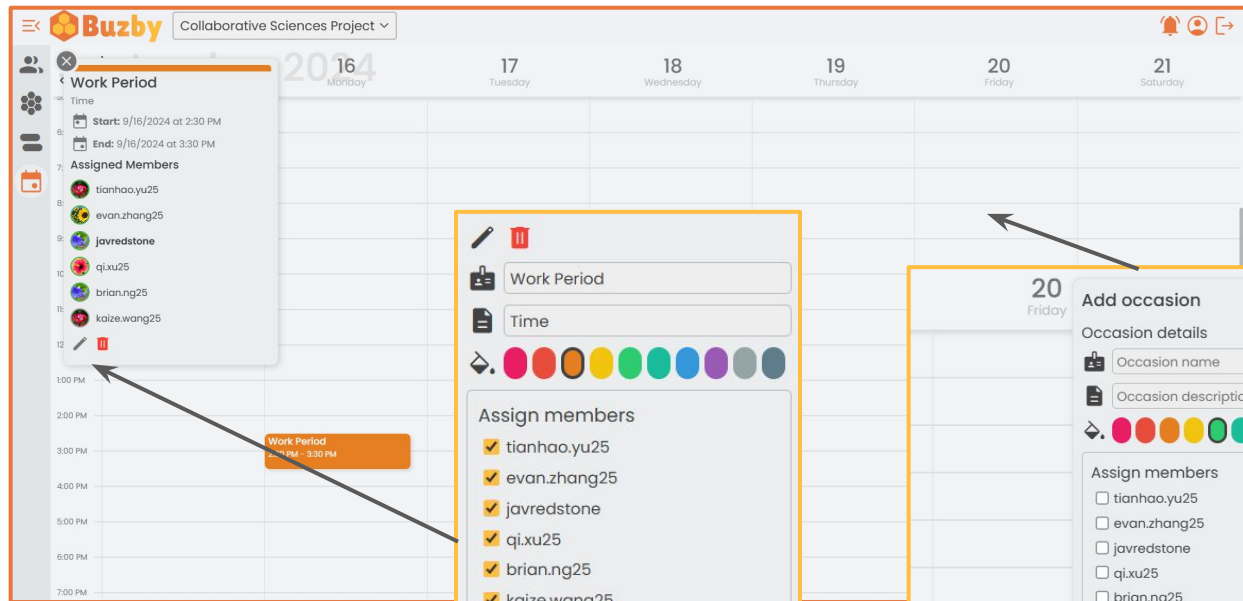
Students can drag tasks around, rearrange them, and monitor them in a timeline-based fashion.

Task List Panel



Tasks Listed and Temporally Ordered


Calendar Page


Students can set events (occasions) for meetings or important deadlines.



Editing
Occasions

  Work Period



 Time





Assign members



- ☒ tianhao.yu25
- ☒ evan.zhang25
- ☒ javredstone
- ☒ qi.xu25
- ☒ brian.ng25
- ☒ kaize.wang25

Start time

 2024-09-16 02:30 PM 

End time


 2024-09-16 03:30 PM 


 Save  Cancel


20 Friday

Add occasion

Occasion details

 Occasion name



 Occasion description





Assign members



- ☐ tianhao.yu25
- ☐ evan.zhang25
- ☐ javredstone
- ☐ qi.xu25
- ☐ brian.ng25
- ☐ kaize.wang25

Start time

 2024-09-20 11:00 AM 

End time

 2024-09-20 12:00 PM 

 Add occasion  Cancel

Creating New
Occasions +
Assigning
Members +
Times



Thank you!