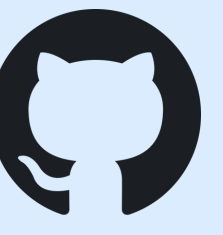


# Semicolon



Site



Repo

## Project Description

Semicolon is a platform for programmers to collaborate through Q&A, direct messaging, games, and in-platform code execution. Semicolon aims to ensure that every user is able to communicate their thoughts accurately, so we have enabled multiple input formats, including code snippets. We want Semicolon to feel like a comfortable space, and have given users the ability to customize their UI and save posts that are relevant to them. Through these efforts, we hope to create a collaborative community of coders!

## Future Work

If we were to keep iterating on this project, we would add enhancements to our current capabilities. For bookmarks, we would like the ability to search and filter through bookmarked posts. For theming, we would want the ability to import custom themes, rate themes, and apply settings across devices. We would also love to support code snippets across more languages.

## Technology Stack

Our entire application is based in React and Typescript, with the frontend constructed fully from React components. For our bookmarking and collection systems, we extended the database schema to allow storage of these objects. The theming system establishes a content wrapper in local storage that holds the preferred theme data for the current user. Our question and answer data types structure have been modified to support optional files and code snippets, which allow for us to display these inputs on the frontend. The code snippets are accepted using the codeMirror library. Our CI/CD Pipelines run automated tests on both our frontend and backend, and if successful our site is deployed to Render.

