



Plotline

ROTOM Corporation

Patrick Hwang, Julianna Arzola, Julia
Chaidez, Emily Panfilo, Julian Cabello

Table of contents

01. Introduction

Problem + Solution

03. Tech Stack

Technologies used in this project



04. Key Features

Overview of the main functionalities of our website

02. Architecture

View of our relational diagram

05. Demo

Walkthrough of our website
LIVE

The Problem+

Readers want community
But existing platforms fall short

- No real-time book discussions
- No structured, spoiler-safe threads
- No single platform for clubs



Our Solution: *Plotline*



Goodreads + Reddit + Discord

Built for Book Clubs

- Real-time chat + structured threads
- Bookshelves & profiles
- Book-specific tools
- One hub for all readers



Tech Stack



Frontend

React + Vite
React Router
Tailwind CSS
Axios
Socket.IO Client

Middleware

Node.js
Express.js
Socket.IO Server
Prisma ORM
bcrypt

Backend

Express.js
Multer
Prisma Client
Socket.IO

Database

PostgreSQL
Prisma Migrate

Development

Heroku
Heroku PostgreSQL

Tools

Git/GitHub (version control)
npm (Manage dependencies)
Figma (design)

Key Features

01.

Real-Time Chat

- Live chat rooms for each book club
- Enables fast, casual conversation while reading

03.

User Bookshelf

- Visual of each reader's current reads & past reads
- Acts as a profile identity and conversation starter

02.

Discussion Threads

- Posts organized by chapters, themes, or questions
- Nested replies, tags, pinning, and moderation tools

04.

Book Club Creation & Management

- Create invite only clubs
- Assign reading goals
- Host/moderator roles
- Track read history



Key Features



05. DMs

- 1:1 messaging between friends
- Instant delivery powered by Socket.IO

07. Progress Tracking

- Track page numbers read
- View progress percentages of all members in a club

06. Friend System

- Add friends, accept requests, and build personal networks
- Enables club invitations and direct messaging

08. Notifications

- Invite friends to clubs
- Centralized notification center for requests & invites



Demo

Plotline

Link to website

An illustration featuring two books. One book is standing upright, showing its front cover with a white rectangular label and a gold spine. The other book is lying flat, showing its dark brown cover and a white page with a gold bookmark. Three white plus signs are scattered around the books: one in the top left, one to the left of the standing book, and one to the right of the lying book. The entire scene is set against a light beige background with faint watercolor-style stains in the corners.

THANK YOU!!

Any questions or comments?

“Turn stories into conversations
and readers into a community
with *Plotline*”