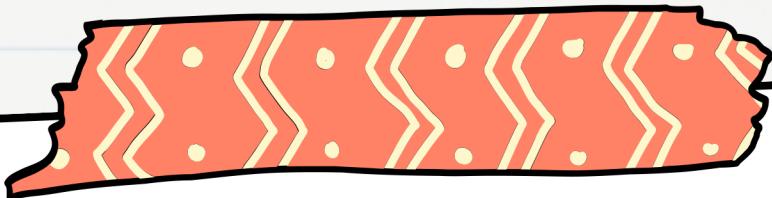


The background features stylized illustrations of books. In the top left, a stack of books has a purple cover with orange swirls. In the top right, a stack of books has a blue cover. In the bottom left, a stack of books includes one with a green cover and a brown stain. In the bottom right, an open book shows white pages with dark blue lines and a small orange square tab.

**The social network for book lovers.**

# shelvd

Presented by: Team Mawsters



# Purpose

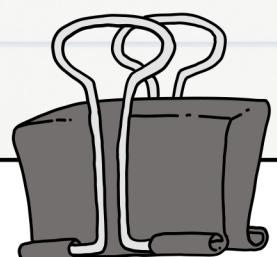
## Promote Book Discovery

- Personalized Recommendations
- Advanced Search and Filtering
- Featured Collections and Recommendations

## Cultivate Community Engagement

- Virtual Book Clubs
- Reader Reviews and Ratings
- Discussion Forums and Interactive Features



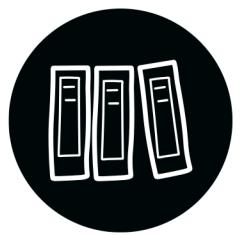


# Target Audience



## Users

- Readers/Book Enthusiasts:
- Book Club Members
- Students, Educators



## Stakeholders

- Content Providers/Publishers
- Libraries
- Community Organisers, Partners



# Product Scope

## Find

Search and browse for new books – or find inspiration in other reader's libraries.

## Track

Track every book by want to read, currently reading, read and did not finish.

## Discover

Browse our featured & curated list to find your next life-changing read



# Feature Overview

Discover popular titles currently captivating readers

The screenshot shows a dark-themed interface titled "What's Trending". Below it, a sub-header reads "Discover popular titles currently captivating readers on shelfd.". At the top, there are three filter buttons: "Last 3 Months" (selected), "Last 12 Months", and "All Time". The main content area displays five book entries:

- #1 **Fourth Wing** by Rebecca Yarros
- #2 **Legends & Lattes** by Travis Baldree
- #3 **Tomorrow, And Tomorrow, And Tomorrow** by Gabrielle Zevin
- #4 **Iron Flame** by Rebecca Yarros
- #5 **Yellowface** by R.F. Kuang

Each entry includes a small thumbnail image of the book cover.

Browse our catalogue of user curated lists to find your next read.

The screenshot shows a dark-themed interface titled "Discover Lists". Below it, a sub-header reads "Browse our catalogue of user curated lists to find your next read.". At the top, there are two tabs: "Featured" (selected) and "Popular". The main content area displays three curated lists:

- Stripe Press Books**: A list of 14 books from Stripe Press. A description states: "Stripe partners with millions of the world's most innovative businesses. These businesses are the result of many different inputs. Perhaps the most important ingredient is 'ideas'...". Below the description is a grid of 14 book thumbnails.
- NPR's Top 100 Science-Fiction And Fantasy Books Of All Time**: A list of 100 books. A description states: "In 2011, NPR set out to make a list of what their listeners believed to be the best science fiction and fantasy books ever written. More than 5,000 people nominated books; then...". Below the description is a grid of 100 book thumbnails.
- The 100 Best Fantasy Books Of All Time By Time Magazine**: A list of 96 books. A description states: "Time Magazine called upon top fantasy authors (e.g., N.K. Jemisin, Neil Gaiman, Sabaa Tahir, Tomi Edeyemi, Diana Gabaldon, George R.R. Martin, Cassandra Clare, and Marlon...". Below the description is a grid of 96 book thumbnails.

# Product Demo



# Configuration Management

01

## Change Control

- Github Projects for tasks kanban
- Weekly sync-ups to review progress + Meeting Minutes to capture meeting agendas

02

## Version Control

- Git + Github to manage code repositories, documentations for accountability and collaboration
- Standardized formatting and lint rules across code repositories to ensure consistency

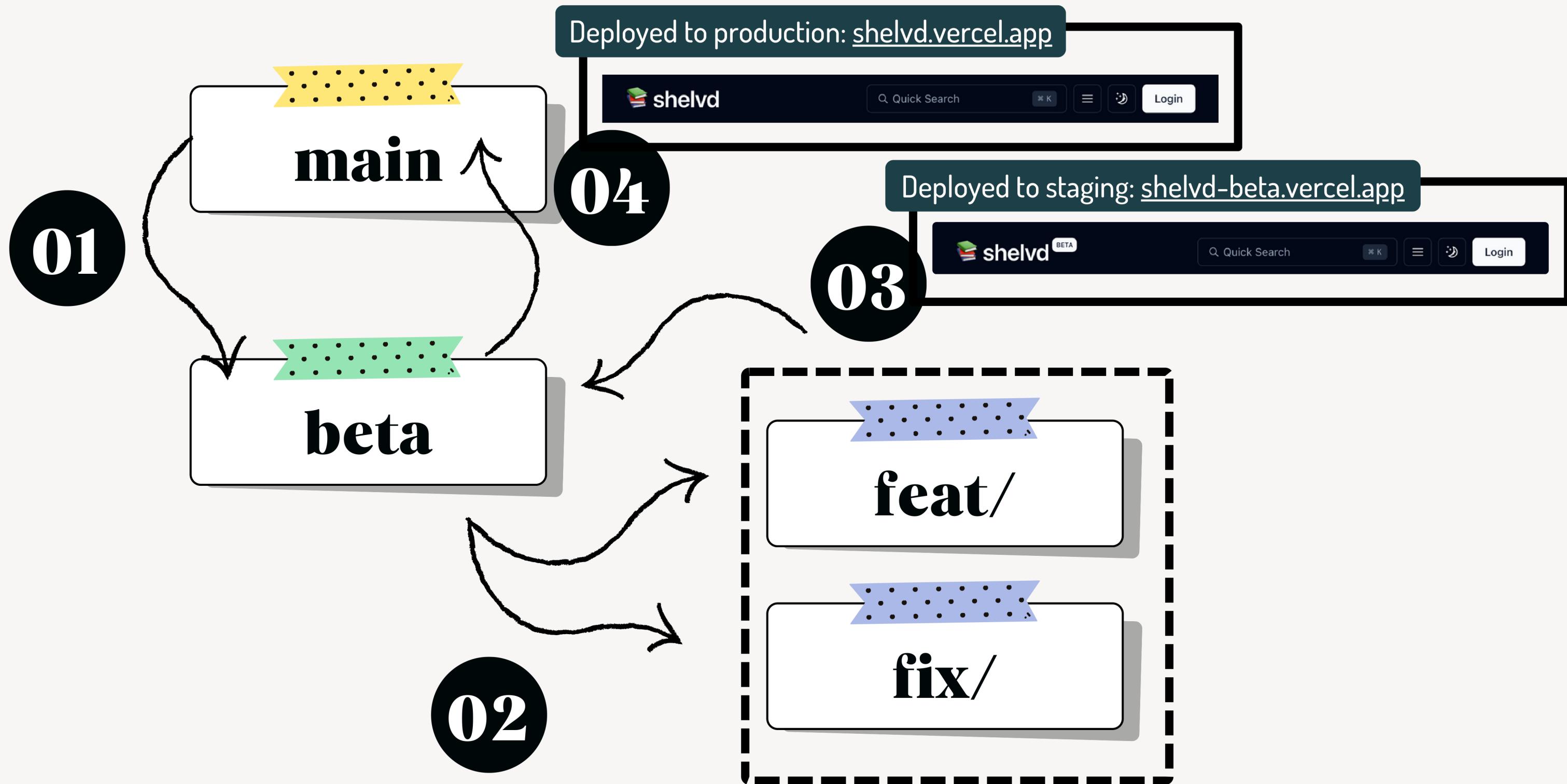
03

## Product Building

- Github Actions + Vercel CI/CD deployment hooks for hosted instances

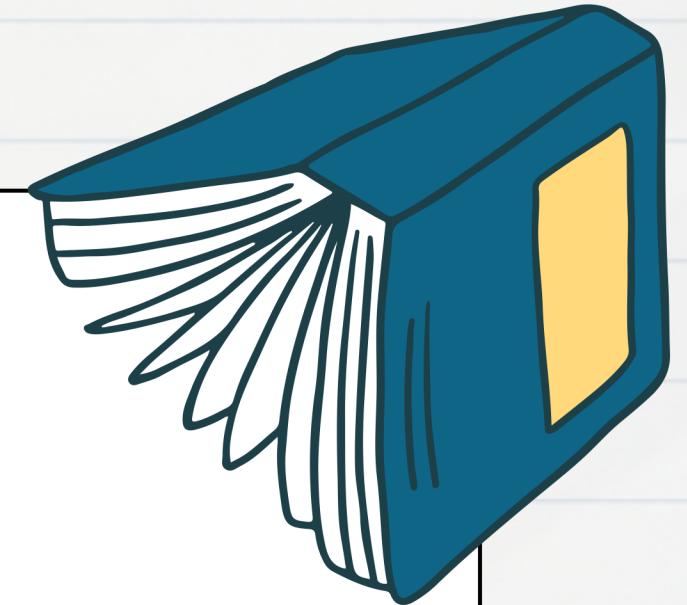


# Release Management



# Project Roadmap

- Individualised Recommendations
- Reddit-like Discussions
- Native integration with various content providers like Audible, Kobo to track reading progress & promote affiliate links



# Development Journey



# Lab 1 – Project Kick–Off and Planning

01

## Achievements

- Established communication channels and registered the team with the TA.
- Decided on the Book Catalogue Club web app as the project idea.
- Allocated team roles and outlined possible features and tech stack.

02

## Issues

- Needed to finalize project formalization and determine technical feasibilities to ensure consistency

03

## Solutions

- Agreed on using React based on team's expertise.
- Identified key APIs and outlined core as well as additional features for the app.



# Lab 2 – Defining Structure, Initialise Baseline

01

## Achievements

- Drafted use-case diagrams and baseline use case descriptions.
- Drafted the Software Requirements Specification (SRS) document.
- Set up Figma organization for UI wireframing.

02

## Issues

- Required to finalize project proposal and SRS.
- Needed to research quality control management for upcoming labs.

03

## Solutions

- Decided on key API endpoints for book data and user authentication.
- Scheduled tasks for the project proposal, initial SRS, quality plan, and UI wireframes.



# Lab 3 – Prototype Construction

## Initial Development

01

### Achievements

- Began development with initial backend setup, including authentication and database.
- Developed the core frontend functionalities: book search and recommendation.

02

### Issues

- Aligning team members on the SRS document and setting a completion deadline.
- Introducing quality control measures.

03

### Solutions

- Assigned team members to focus on finalizing the SRS.
- Established a quality control subgroup within the team.



# Lab 4 – Advancing Development

## Configuration Management and Preparing for Release

01

### Achievements

- Improved performance and features of the frontend, including search pages.
- Implemented CRUD operations for book collection management.
- Finalized deliverables documents, such as the project plan and risk management.

02

### Issues

- Needed to ensure all frontend and backend elements were ready for the product demo.

03

### Solutions

- Expedited the integration of backend with frontend.
- Prioritized tasks to prepare for a comprehensive product demo.

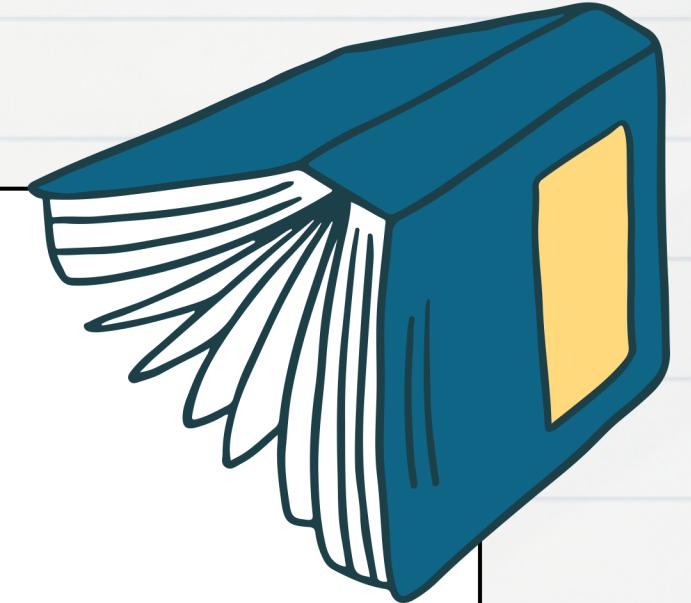


# Learning Objectives



# What we took away so far:

- Applying advanced software engineering, as well as management techniques and practices
- Using appropriate tools for the development of a product prototype and the management of the project
- Learning the overall importance of project planning
- Having fun



# Team Contribution Summary



# Dev Team

Crystal Cheong



- Tech lead, oversaw product development
- Liaised with Docs team to fulfill project requirements

Zhu Yuhao



- Implemented Book Collections Feature
- Integrate with server endpoints
- Code review and testing

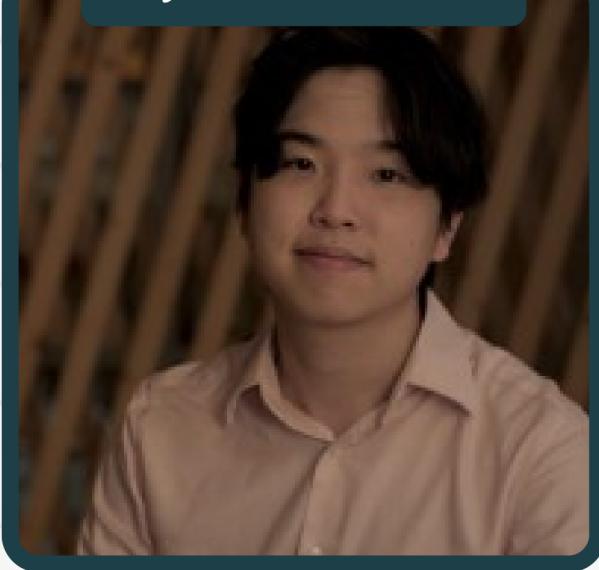
Ryu Hyunsun



- Developed the backend server and RESTful api endpoints
- Built database
- Integrated ClerkJS library to manage and authenticate users

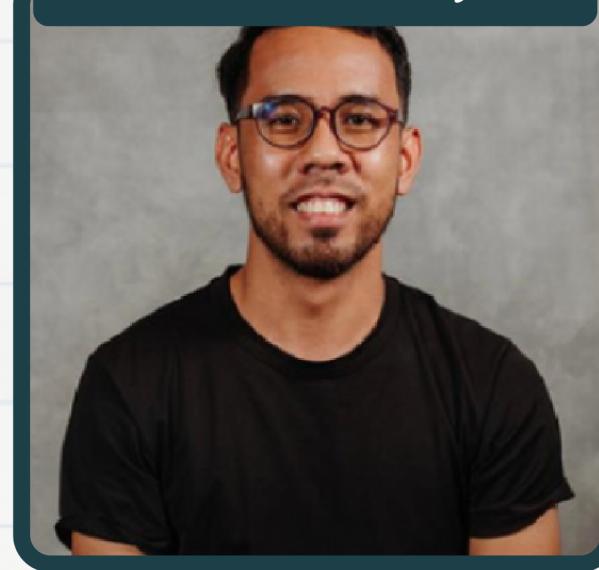
# Does Team

Nyan Maw Htun



- Oversaw the project
- Provided detailed use of external references for documentation
- Liased with Dev team to align plans and devs

Muhammad Sufyan



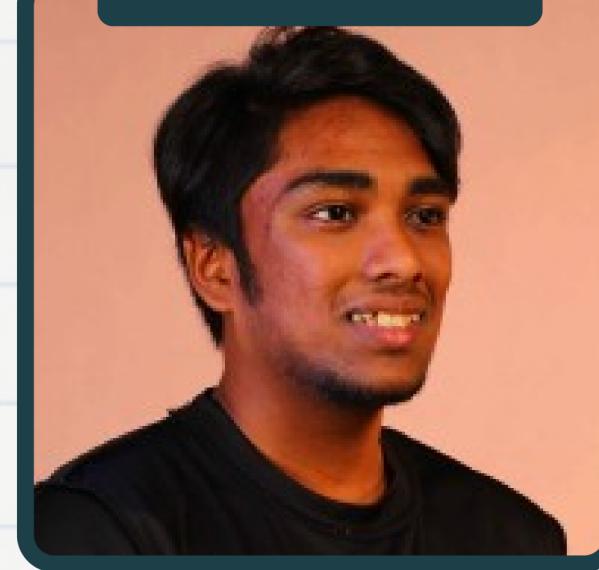
- Wrote down meeting minutes
- Managed github project repository
- Documented the project's specifications and processes

Kenneth Goh



- Covered & ensured QA standards
- Liased with Dev to align test

Arun Ezekiel



- Wrote down meeting minutes
- Documented the project's specifications and processes

# Q & A

