

EECS 3311 PROJECT



Same Page Books

Make Reading Fun!

Who Are We?

Team #1 is comprised of students with varying specializations such as Front and Back-end engineering, Database Development, and Quality Assurance engineers



Nargis Ghiasi

Edward Nwogwugwu

Kyle Chandrasena

Zohair Ahmed



Ammad Qureshi

Nicholas Lachhman



Our Vision



A social platform establishing a community of readers

Motivate readers to connect in a digital book club space

Designed for those who have a fondness and curiosity for reading



SamePage

Who Will Use it?

Some of the targeted audience groups of SamePage:

Kids

Story books,
Fairy Tales,

Professionals

Lawyers,
Business Prof,
Entrepreneurs.

Academia

Professors,
Researchers,
Students.

How do you use it?



Find Friends!

Engage with new readers.



Favourite Books!

Meet people with the same interests,
add reading goals, and conveniently
access your favorite books!



Review/Rate Books!

Review the books you've read!



Login/Register!

Request books to be added to your
catalogue!



The image features a central computer monitor with a black frame and a white screen. The screen displays the text "Time for Demo!" in a bold, black, serif font. The monitor is supported by a blue, stylized stand. The background is a light gray, crumpled paper texture, framed by a solid blue border. Four black starburst icons are positioned around the monitor: one in the top right, one in the bottom right, and two on the left side (one near the top, one near the bottom).

**Time for
Demo!**

Design Decisions



Brilliant Design Decisions:

Single Responsibility Principle

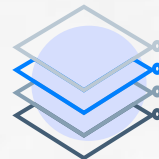
Builder (UI components)

Singleton Instance

Mediator

Other planning tools:

Excalidraw to sketch wireframes
Diagrams.net for UML Diagrams

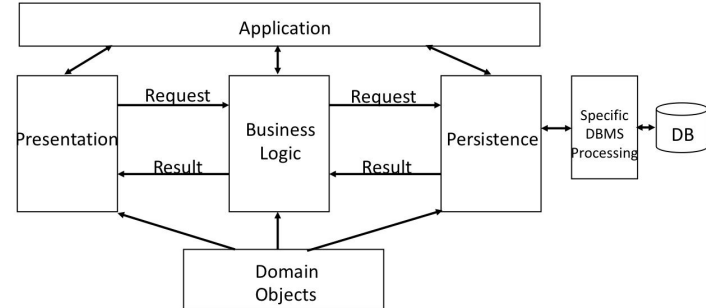
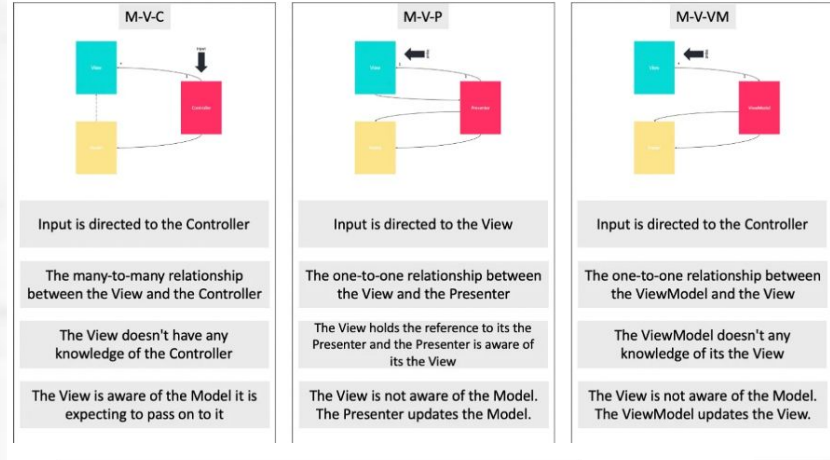


Database:
Persistence Layer

Architecture

MVP Justification:

- has a better separation of concerns
- Presenter is not as tightly coupled as Controller
- Presenter and Model follow Single Responsibility Principle better
- Easier to unit test b/c of low coupling



Project Numbers

63

Classes

497

Methods

2137

Lines

App: 1 class, 2 methods, 3 lines

Model

9

Classes

View

32

Classes

Presenter

6

Classes

Persistence

13

Classes

95

Methods

267

Methods

41

Methods

92

Methods

162

Lines

1360

Lines

47

Lines

565

Lines

What Went Well in the Dev Process



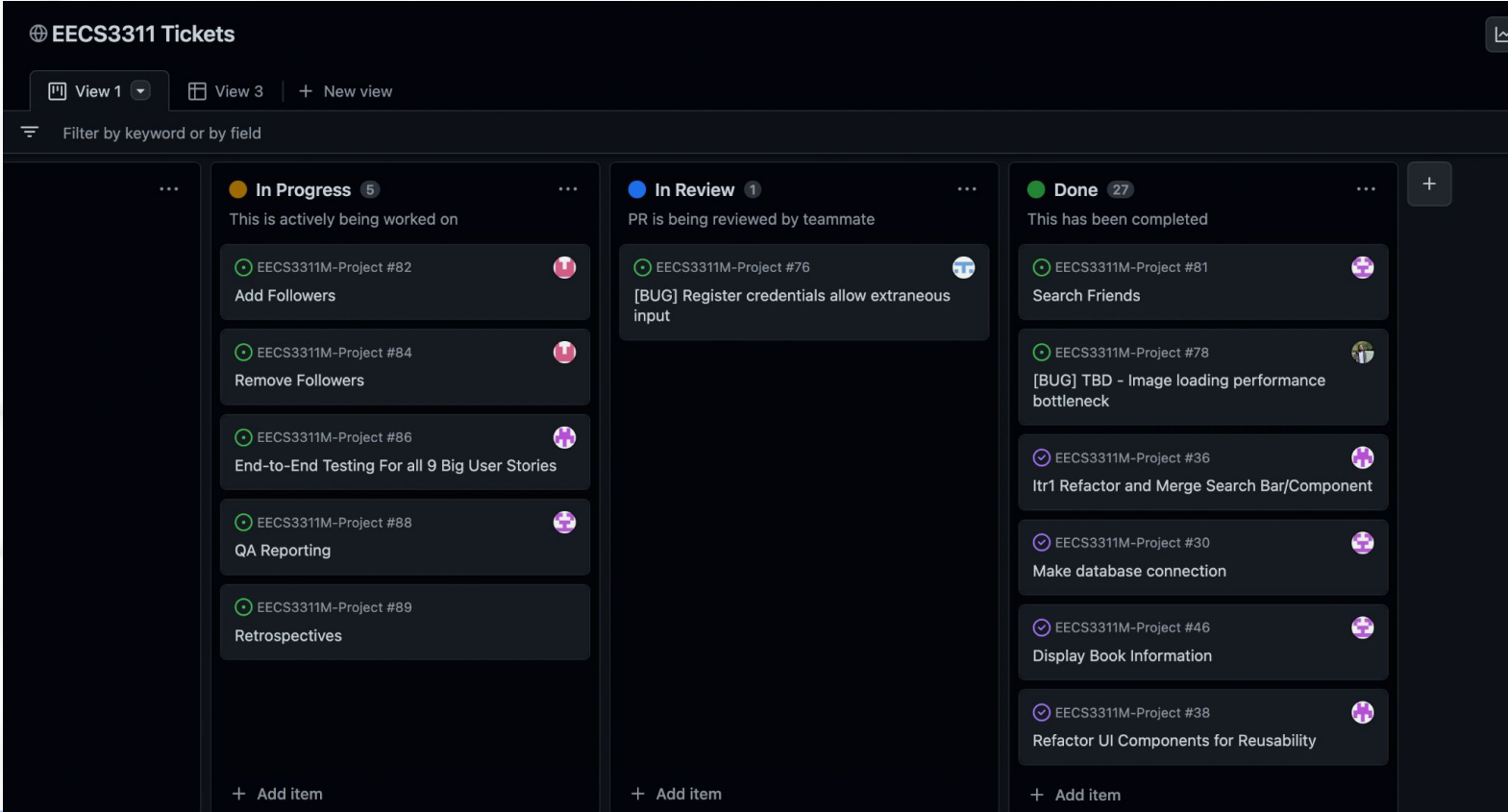
- Meeting early on/Design sessions
- Research + use of Design Patterns
- Splitting of tasks well
- Using GitHub and managing tickets
- Branch management, reviewing PRs (all helped prevent merge conflicts)
- Allocated enough time for project vision or re-prioritized tasks when needed
- We all learned something new

What Didn't Go Well in the Dev Process



- Lack of Java Swing Knowledge impeding time on development
- Book Club user story pushed to later iteration due to time and complexity constraints
- Learning curve for TDD and making sure we have the right test coverage

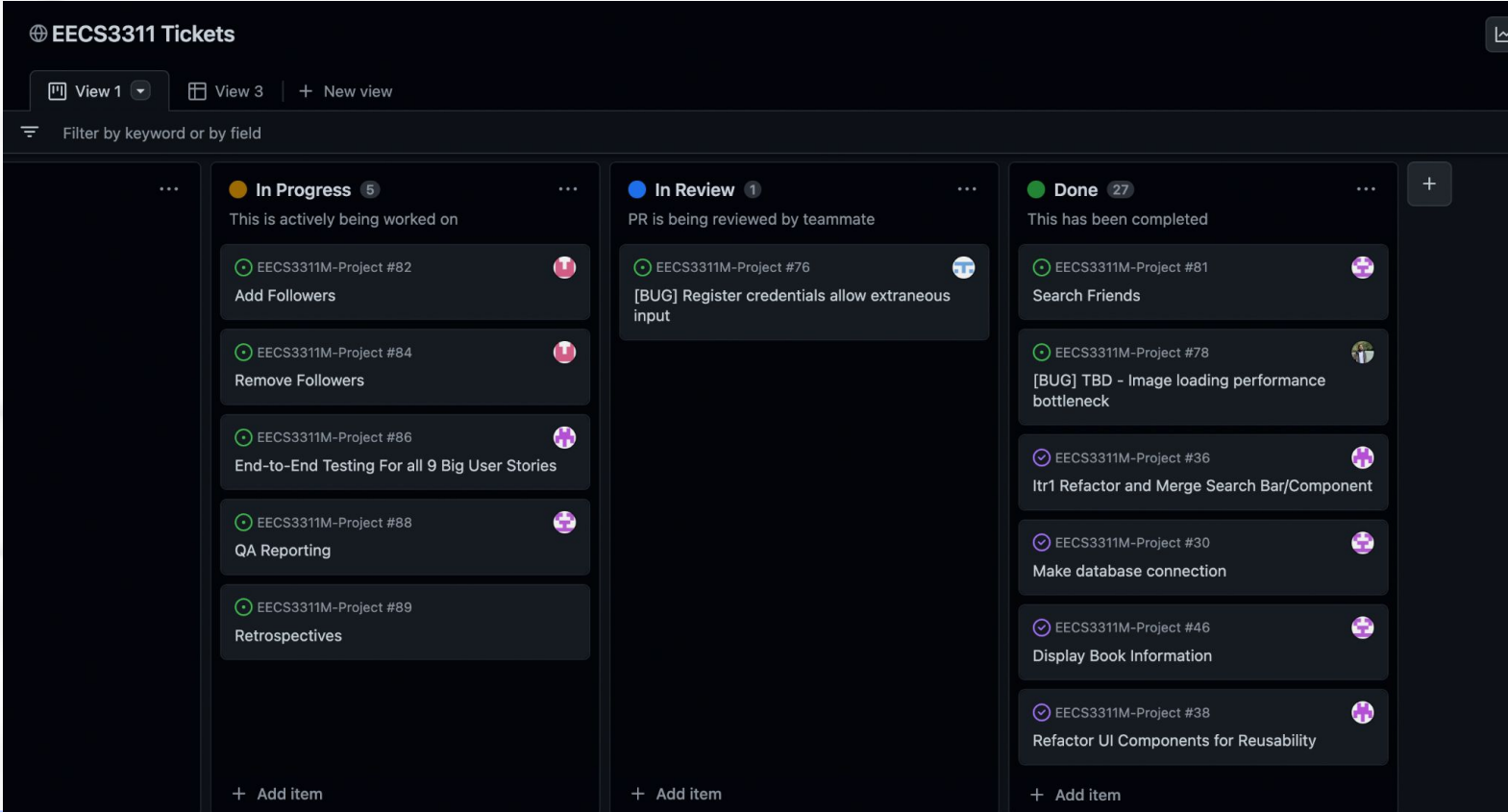
Project Board in Itr3



The screenshot displays the 'EECS3311 Tickets' project board in Itr3. The interface is dark-themed and includes a top navigation bar with a search icon, the title 'EECS3311 Tickets', and a 'View 1' dropdown menu. Below the navigation bar is a filter bar with the text 'Filter by keyword or by field'. The main area is divided into three columns: 'In Progress' (5 items), 'In Review' (1 item), and 'Done' (27 items). Each column has a description at the top and a list of tickets below. The 'In Progress' column contains five tickets: EECS3311M-Project #82 (Add Followers), EECS3311M-Project #84 (Remove Followers), EECS3311M-Project #86 (End-to-End Testing For all 9 Big User Stories), EECS3311M-Project #88 (QA Reporting), and EECS3311M-Project #89 (Retrospectives). The 'In Review' column contains one ticket: EECS3311M-Project #76 ([BUG] Register credentials allow extraneous input). The 'Done' column contains five tickets: EECS3311M-Project #81 (Search Friends), EECS3311M-Project #78 ([BUG] TBD - Image loading performance bottleneck), EECS3311M-Project #36 (Itr1 Refactor and Merge Search Bar/Component), EECS3311M-Project #30 (Make database connection), and EECS3311M-Project #46 (Display Book Information). Each ticket card shows a status icon (green circle with a checkmark), a title, a description, and a user avatar. The 'In Progress' and 'In Review' columns have a '+ Add item' button at the bottom.

Column	Status	Count	Description	Ticket ID	Title	User
In Progress	In Progress	5	This is actively being worked on	EECS3311M-Project #82	Add Followers	[Avatar]
	In Progress			EECS3311M-Project #84	Remove Followers	[Avatar]
	In Progress			EECS3311M-Project #86	End-to-End Testing For all 9 Big User Stories	[Avatar]
	In Progress			EECS3311M-Project #88	QA Reporting	[Avatar]
	In Progress			EECS3311M-Project #89	Retrospectives	[Avatar]
In Review	In Review	1	PR is being reviewed by teammate	EECS3311M-Project #76	[BUG] Register credentials allow extraneous input	[Avatar]
Done	Done	27	This has been completed	EECS3311M-Project #81	Search Friends	[Avatar]
	Done			EECS3311M-Project #78	[BUG] TBD - Image loading performance bottleneck	[Avatar]
	Done			EECS3311M-Project #36	Itr1 Refactor and Merge Search Bar/Component	[Avatar]
	Done			EECS3311M-Project #30	Make database connection	[Avatar]
	Done			EECS3311M-Project #46	Display Book Information	[Avatar]

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	Done			EECS3311M-Project #46	Display Book Information	[Avatar]

Surprises in the Development

Refactoring Load Times



Iteration 1:

Initial Load-time

- (Windows): 20 seconds
- (Mac): 10 seconds

Switching Pages Load-time:

- (Windows): 25 seconds
- (Apple): 10-12 seconds

Iteration 2:

Initial Load-time

- (Windows): 10 seconds
- (Mac): 7 seconds

Switching Pages Load-time:

- (Windows): <1 seconds
- (Apple): <1 seconds



The Future of Same Page



01

Book Clubs

Recommendations based on favorite books and other users can sign up for discussing books

03

Security

Logout button, managing credentials, safety measures (MFA)

02


Social Aspect

Dynamic updates to followers

04

Improve Performance & More Refactoring

Improve performance time, Multi-Threading, extract more UI components in a superclass



Thank You



Any questions?

