# BookHive

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# Agenda

1. Prototype from Sprint 1

2. BookHive Demo

3. Progress of Sprint 3

4. Sprint Review & Contributions
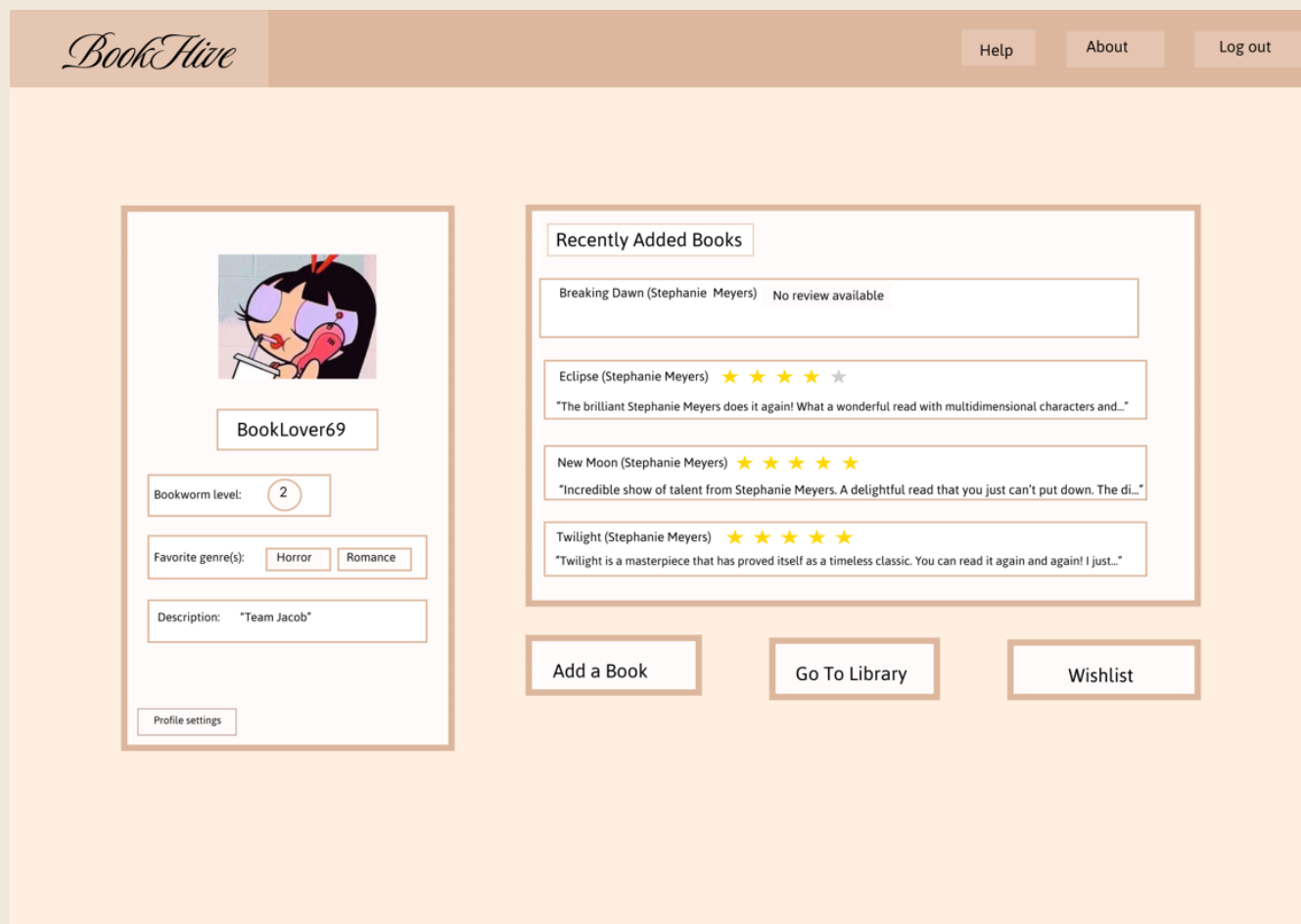
5. Closing Remarks

# Section 1

Prototype from Sprint 1

# Prototype



Profile

# Prototype



Adding a book

Library

# Key Changes/Enhancements

While the vision was clear from the start, BookHive evolved from Sprint 1 prototype to the Sprint 3 product, with improvements including:

- o **Reading list** integrated into Library
- o **Layout enhancements** (for example Add book, Library)
- o **Background image** in all pages with light-mode

# Section 2

Demo

# Section 3

Progress of Sprint 3

# Objectives, Challenges & Solutions

**Objectives:**
- Connect the front-end to the back-end.
- Design and implement a user registration and login system.
- Integrate authentication for secure communication between the client and server.
- Conduct comprehensive integration testing for the back-end.
- Deploy both the front-end and back-end components.
- Create documentation for the API.

**Challenges:**
- Unexpected changes during merge
- Deployment

**Solutions:**
- Patience and group work

# Progress made in front-end

- **Connecting frontend to backend to build a functioning application:**
  - **Open API integration** for searching book details
  - **Authentication** and **authorization**
  - Data is **dynamically fetched** from the backend, and the UI is updated accordingly
  - Enhanced **CSS** and implemented **dark mode**

# Progress made in back-end

- **Enhanced** book and user controllers
  - Added methods e.g. for **changing password**, **fetching categories**
  - **Pagination** and **filtering** are now done in backend
- **User-Library association**
- **Authentication** and **authorization**
- **Tests** for users and books (library & wishlist)
- Created **documentation** for the API

# Section 4

Sprint Review &
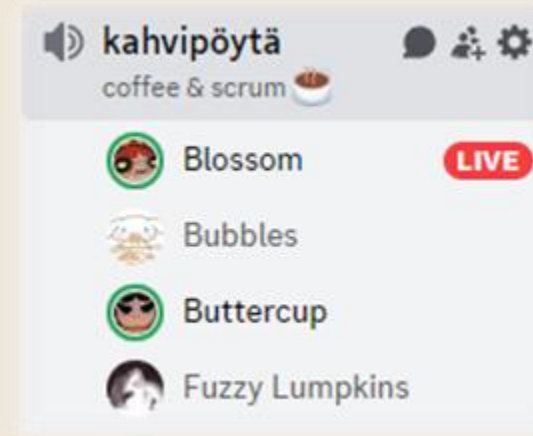Contributions

# Sprint Insights

**Retrospective:**

- o *Liked:* Clear plan for the last Sprint. Better cross-functional collaboration between frontend and backend teams. Making improvements and changes as the sprint advanced to achieve better outcomes.
- o *Learned:* Connecting frontend and backend, implementing real-time data fetching, handling API requests and responses, deploying BookHive.
- o *Lacked:* Better version control (e.g clearer branching strategy/naming) resulting in some conflicts in code merging.
- o *Longed for:* Additional time to enhance and optimize the code.

# Sprint Ceremonies

**Sprint review:**

o Team **achieved the goals** set for Sprint 3.
o Some functionalities that required moving logic from frontend to backend took considerable effort, but the team worked through the blockers together. By supporting each other and sharing expertise, we overcame obstacles and successfully delivered the project.
o **Daily scrums**, held on Discord in voice chat or by texts —often either before or after Zoom lessons— were instrumental in addressing challenges, fostering collaboration, and keeping the project on track.

# Team Contributions

**Hilda** *(Front-end)*
- o   Main focus on: **user** related frontend

**Karoliina** *(Scrum master, Front-end)*
- o   Main focus on: **dark mode**, **library** related frontend

**Lasse** *( Back-end)*
- o   Main focus on: **user** related backend

**Veera** *(Product Owner, Back-end)*
- o   Main focus on: **deployment**, **book** related backend

- o   **Tasks were assigned collaboratively**, and during Sprint 3, everyone supported each other seamlessly, regardless of whether they were working on the front or backend.

# Section 5

Closing Remarks

# Closing Remarks



- Team is pleased with progress throughout the course.
- Key lessons from **Scrum** and **Agile:**
  - **Flexibility, collaboration, continuous improvement**
  - Sprints and daily stand-ups helped us stay on track and **adapt quickly to changes**.
- Full-stack development with:
  - **React** (frontend), **Node.js** (backend), **Mongoose** (MongoDB).
- After 8 weeks of effort, **BookHive was successfully deployed**
- Proud of the outcome, though always room for growth.

Thank You