

MTCL

VIRTUAL BOOKCLUB



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Agenda

1. Background
2. Sprint Goals
3. Model
4. Sprint Completed
5. Progress & Problems
6. Next Sprint

Background on project



PENGUIN BOOKS
BITTER CHOCOLATE

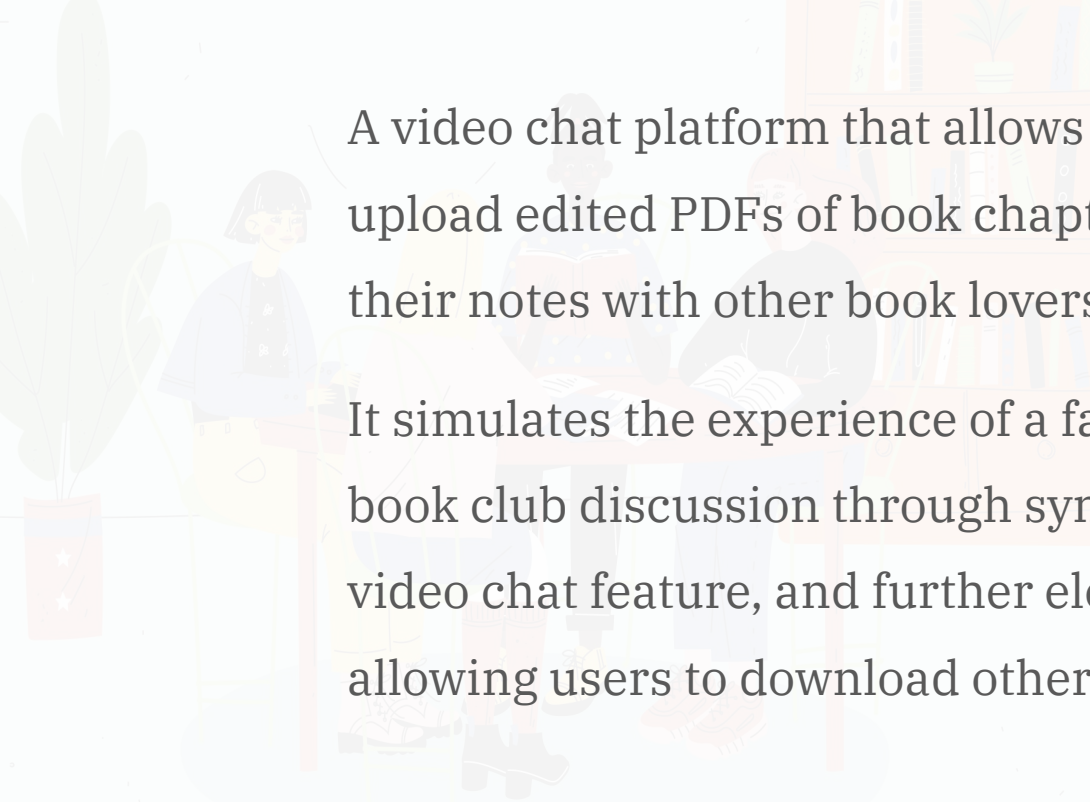
Pinki Virani, forty-one, set a new trend in the genre of fiction in India with her best-selling *Aruna's Story*. This book was translated into several Indian languages. Her next work, *Once Was Bombay* was among the first to deal with an Indian city as a socio-political entity—instead of romanticizing it—in story-telling format.

Pinki Virani took an American Masters in Journalism through a scholarship from the Aga Khan foundation, which was followed by an internship at the *Sunday Times* in London. She returned to India and a career in Journalism, eighteen years ago, during which she has risen from reporter to editor. She is the first woman editor of an evening in the country, *Mid-Day*.

Married to senior journalist Shankar Aiyar, she lives in Mumbai.

SORRY. BUT THE BOOK
IS WORTH A
READ

Background on project



A video chat platform that allows users to upload edited PDFs of book chapters to share their notes with other book lovers.

It simulates the experience of a face-to-face book club discussion through synchronous video chat feature, and further elevates it by allowing users to download others' notes.

PENGUIN BOOKS
BITTER CHOCOLATE

Pinki Virani, forty-one, set a new trend in the genre of fiction with her debut, *Arundhati's Story*. This book was translated into several languages. Her next work, *Once Was Bombay* was among the first to deal with an Indian city as a socio-political entity—instead of romanticizing it—in story-telling format.

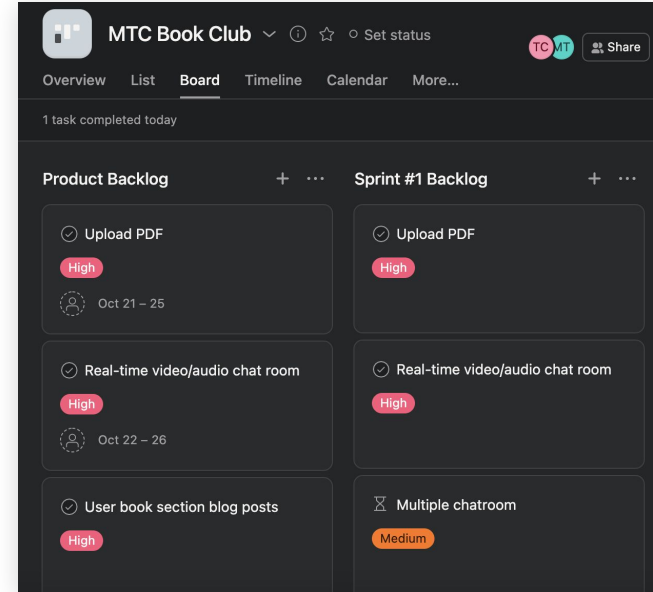
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Journalist Shankar Aiyar, she lives in

TRY, BUT THE BOOK
IS WORTH A
READ

Sprint #1 Goals

1. Set up workflow & management tools
2. Flesh out complete UX flow
3. Finalize brand/visual identity
4. Explore video streaming
5. Explore cloud deployment



Model

→ **class Post**

- ◆ text
- ◆ user
- ◆ creation_date
- ◆ pdf (uploaded book section pdf by post creator)

Model

→ **class Profile**

- ◆ bio
- ◆ user
- ◆ picture
- ◆ content_type (for profile pic)
- ◆ following
- ◆ Access_role ("regular user" or "admin")

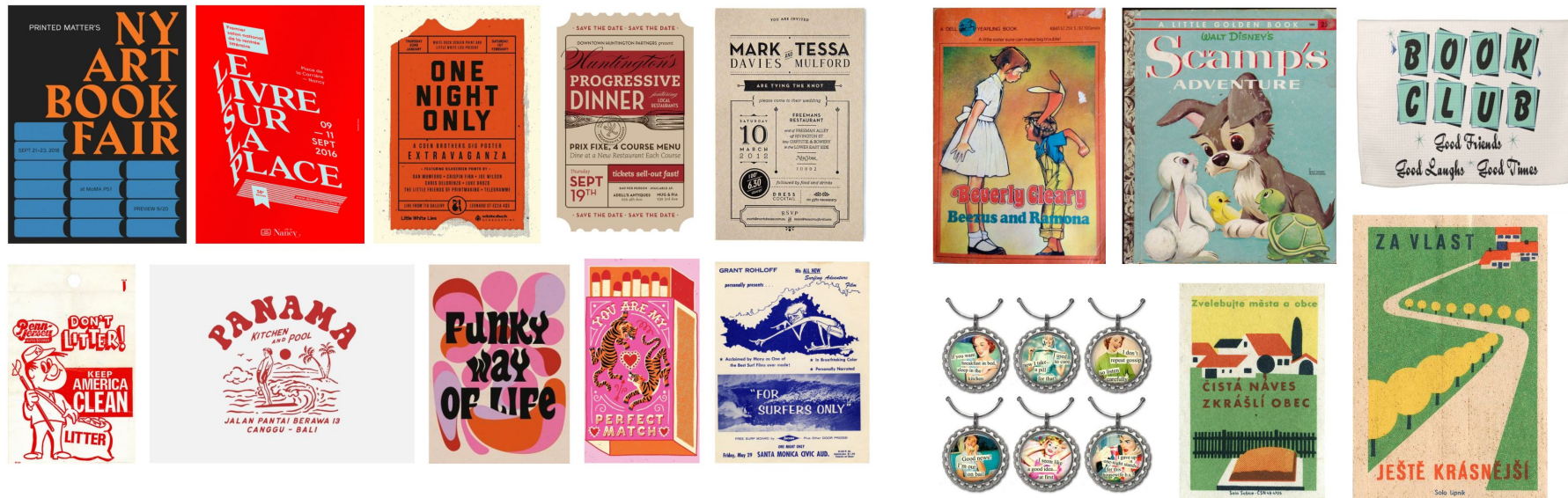
Model

→ **class Comment**

- ◆ text
- ◆ user
- ◆ creation_date
- ◆ post

Sprint completed

- Complete Visual Design Exploration
- Complete UX Flow
- Mid-Fi Interface Mockups
- Video-chat Feature on Local End
- Websocket on local and http environments
- Login, Register, Profile, Global/Follower Stream on Local End



VISUAL DESIGN: MOOD BOARDS

TYPEFACES

Heading

Ohno Blazeface

Subheading

Bookmania

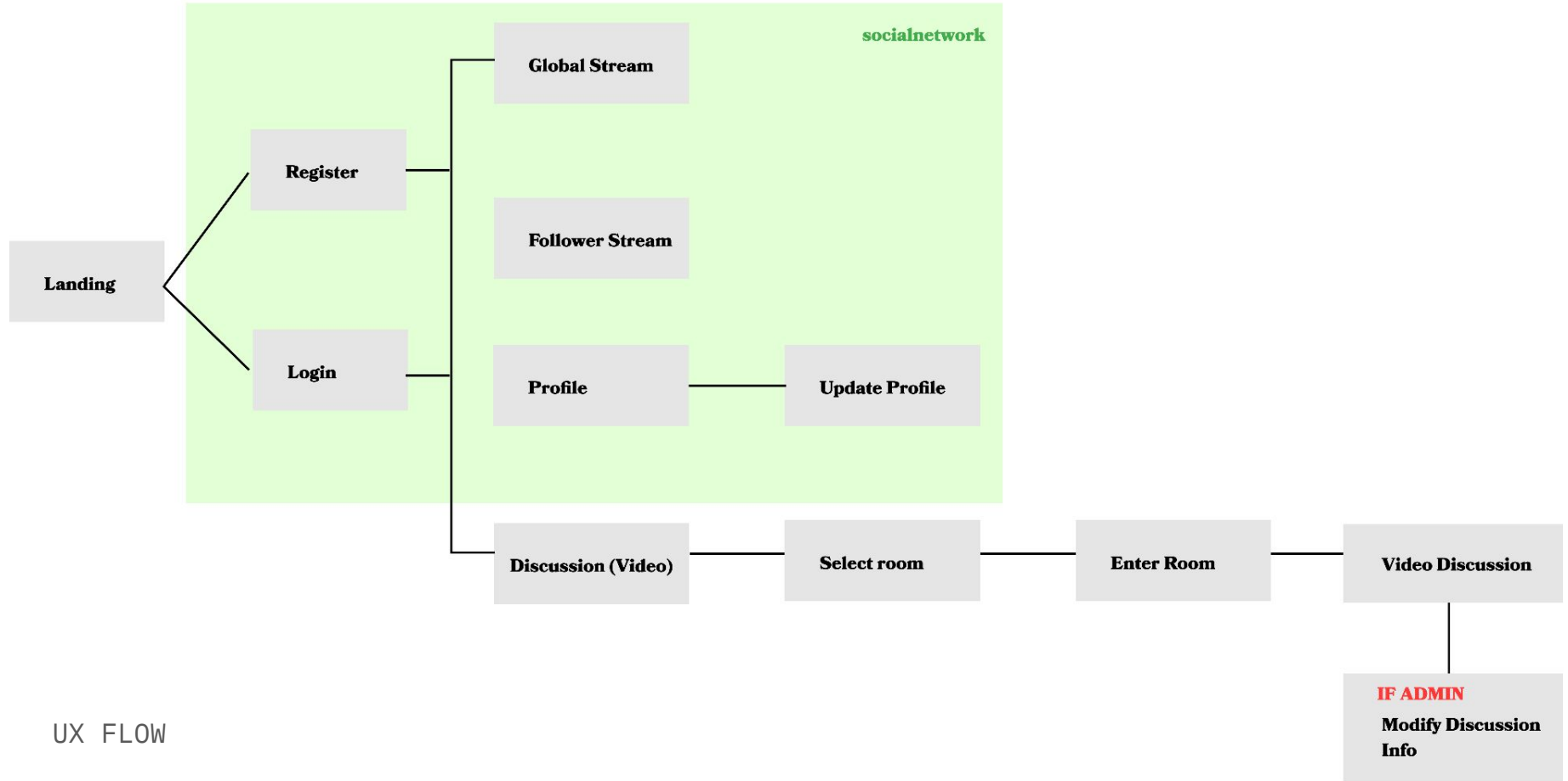
This is a paragraph text used to provide longer descriptions on a page as a supplement to heading and subheading text.

Bookmania

COLORS







UX FLOW

Landing



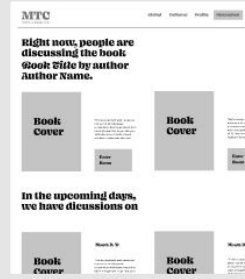
Register



Login



Events



In Room (Normal ...



In Room (Admin)



In Room (Normal ...



Stream



Stream -- collap...



Profile (Other + E...



Upload PDF



LOW-FI INTERFACE OVERVIEW

**Hi there,
glad you
are here.**

LOG IN

Username:
Email:
First Name:
Last Name:
Password:
Confirm:

Register

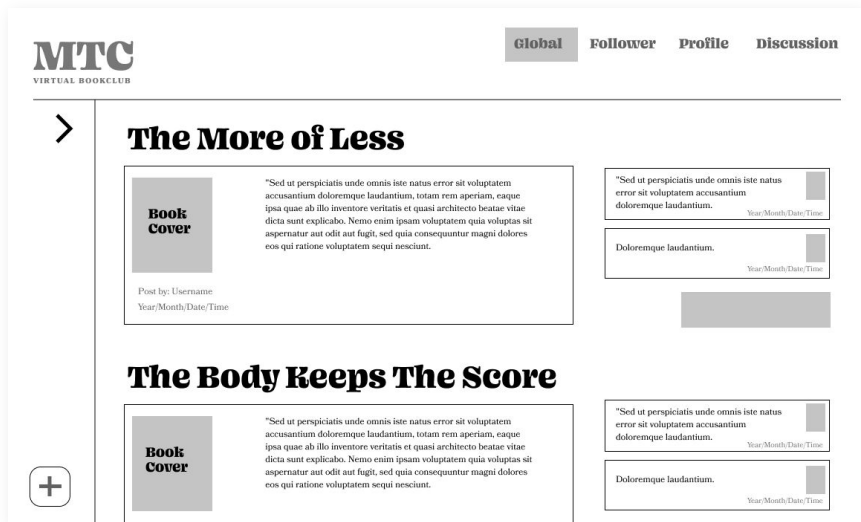
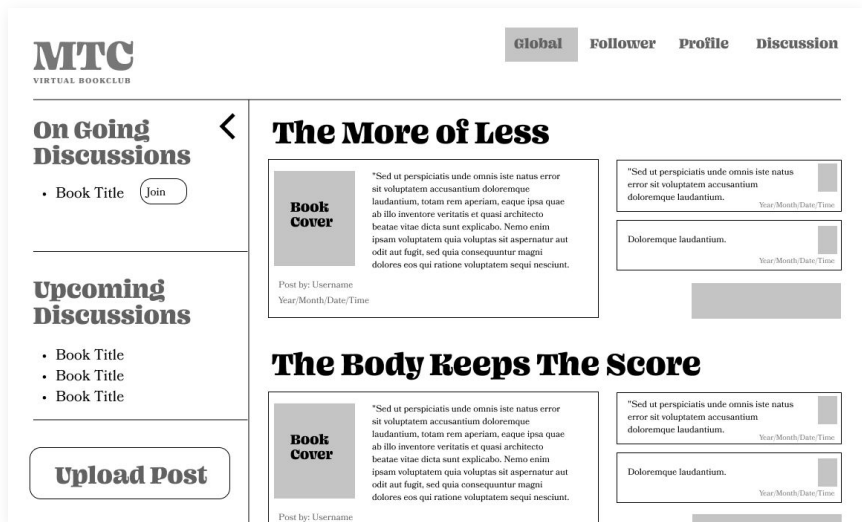
**Always
good to
see you.**

REGISTER

Username:
Password:

Login

LOW-FI INTERFACE: LOGIN & REGISTER



< BACK TO GLOBAL

Book Title:

Summary:

PDF:

Upload

Submit

**Upload
reading
notes to
share.**

LOW-FI INTERFACE: NEW POST



LOW-FI INTERFACE: PROFILE

**Right now, people are
discussing the book
Book Title by author
Author Name.**

**Book
Cover**

"Sed ut perspiciatis unde omnis iste
natus error sit voluptatem
accusantium doloremque laudantium,
totam rem aperiam, eaque ipsa quae
ab illo inventore veritatis et quasi
architecto beatae vitae dicta sunt.

**Enter
Room**

**Book
Cover**

"Sed ut perspiciatis unde omnis iste
natus error sit voluptatem
accusantium doloremque laudantium,
totam rem aperiam, eaque ipsa quae
ab illo inventore veritatis et quasi
architecto beatae vitae dicta sunt.

**Enter
Room**

**In the upcoming days,
we have discussions on**

**Book
Cover**

Month D, Yr

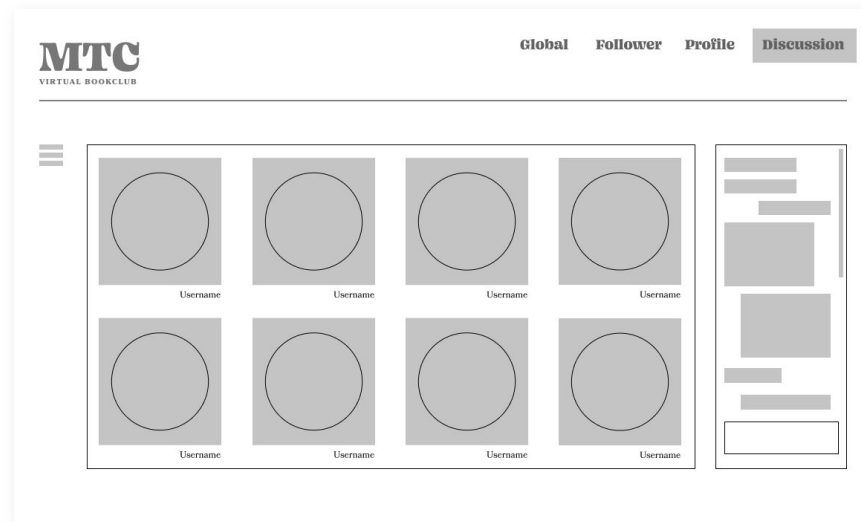
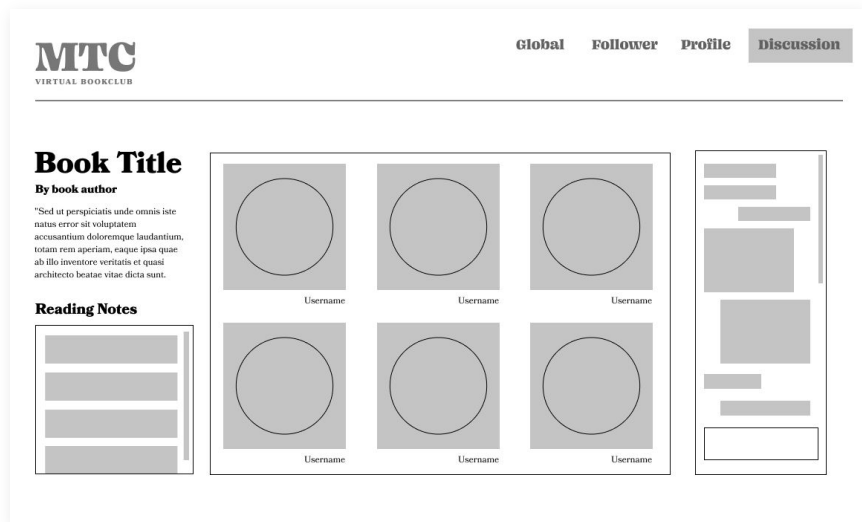
"Sed ut perspiciatis unde omnis iste
natus error sit voluptatem
accusantium doloremque laudantium,
totam rem aperiam, eaque ipsa quae
ab illo inventore veritatis et quasi
architecto beatae vitae dicta sunt.

**Book
Cover**

Month D, Yr

"Sed ut perspiciatis unde omnis iste
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ab illo inventore veritatis et quasi
architecto beatae vitae dicta sunt.

LOW-FI INTERFACE: PRIOR TO ENTER DISCUSSION



LOW-FI INTERFACE: DISCUSSION INTERFACE

Admin Space

New Discussion Info

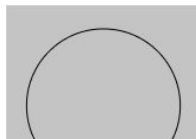
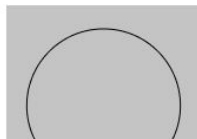
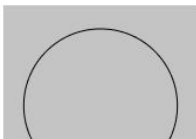
Upload Book Cover

Submit

Book Title

By book author

"Sed ut perspiciatis unde omnis iste
natus error sit voluptatem
accusantium doloremque laudantium,
totam rem aperiam, eaque ipsa quae



Problems

→ **Websocket Connection Failure under wss protocol**

- ◆ Websocket connections work properly on local and http environment (using ws protocol)
- ◆ For https environment, wss websocket connection is needed, but websocket connections fail when using wss
- ◆ Need advice for debugging strategies on production environment
- ◆ Lack of useful resources online regarding this issue

→ **Turn and Stun Server Setup**

- ◆ So far, we did not set up turn and stun servers to host these peer connections, so the video chat can only be among devices under the same network.
- ◆ We used WebRTC for video chat construction. To realize video chat locally, RTCPeerConnections are created to send media tracks from one user to another.
- ◆ We are still researching on turn and stun servers setup

Next Sprint

→ Must-haves

- ◆ Deploy on cloud
- ◆ Multi-room
- ◆ UI, pixel push
- ◆ Delete post
- ◆ Delete comment
- ◆ Upload PDF
- ◆ Download PDF with link

→ Nice-to-haves

- ◆ PDF Annotation
- ◆ Display PDF



Thank you! 