

FanHive Website

Platform to share and read fanfictions.
Kelompok A1 Sistem Basis Data 2022/2023
Universitas Indonesia



FanHive

01

What is FanHive?

What is FanHive?

FanHive adalah sebuah aplikasi website yang fungsinya mengarsipkan karya tulis fiksi penggemar di mana pengunjung dapat berbagi cerita dan memberikan tanggapan, berupa komentar dan heart (mekanisme like).



Why use FanHive?

Engage with Readers

Menyediakan platform yang interaktif dalam berbagi karya tulis fiksi penggemar melalui fitur komentar, heart (like), dan mengikuti penulis

Powerful Writing Tool

Berikan penekanan lebih pada karya-mu dengan fitur rich-text editor, menawarkan kapabilitas styling (bold, italic, underline, dll.)

Easy Menu Navigation

Menawarkan tampilan menu yang straightforward, intuitif, dan mudah dimengerti

Customizable

Menawarkan kebebasan dalam tampilan-mu, seperti mode light/dark, gambar profil yang bisa diubah

CRUD Features



Create

Membuat akun, cerita, banyak chapter dari cerita, komentar, heart, tag, fandom



Update

Mengubah sinopsis cerita, fandom cerita, tag cerita, status cerita, konten chapter dari cerita, profile picture akun, background picture akun



Retrieve

Memperoleh semua cerita, chapter dari cerita, detail akun, cerita berdasarkan follow, cerita berdasarkan heart, berdasarkan akun, berdasarkan pencarian judul



Delete

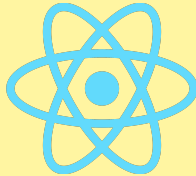
Menghapus cerita

Tools/Framework



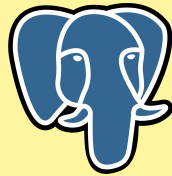
Frontend

- React JS
- JavaScript
- Yarn Package Manager



Backend, API

- Node JS + Express
- JavaScript
- Yarn Package Manager
- PostgreSQL Serverless di Console Neon



Dependencies



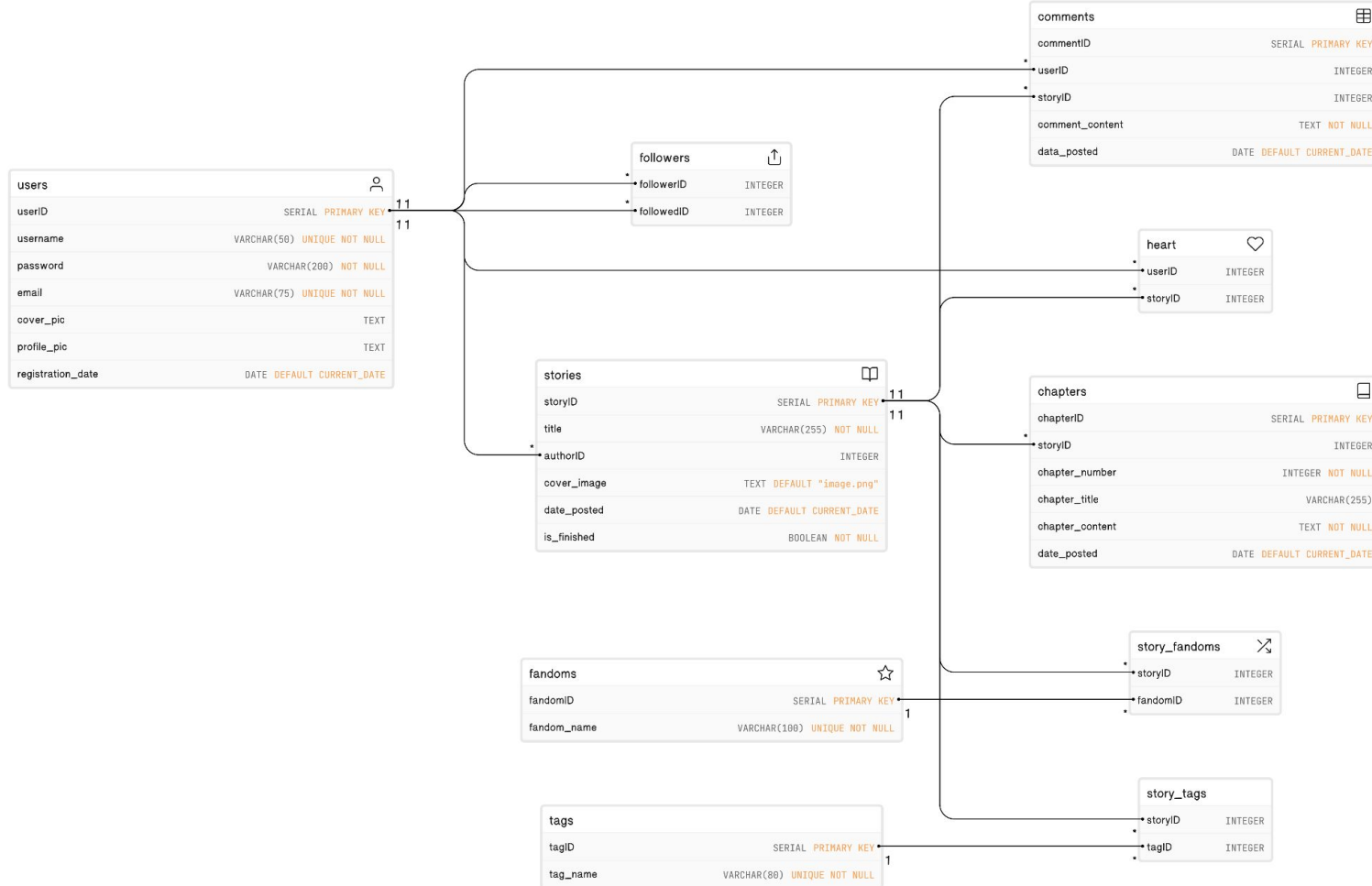
Frontend

- Axios (Request HTTP)
- DOMPurify (Sanitasi HTML dan mencegah Cross-Site Scripting)
- Material UI: Icons Material
- TanStack React-Query v4 (Otomasi logika fetch data)
- React Router (Routing web page)
- React Quill (Rich-text editor)
- Sass (Advanced CSS styling)

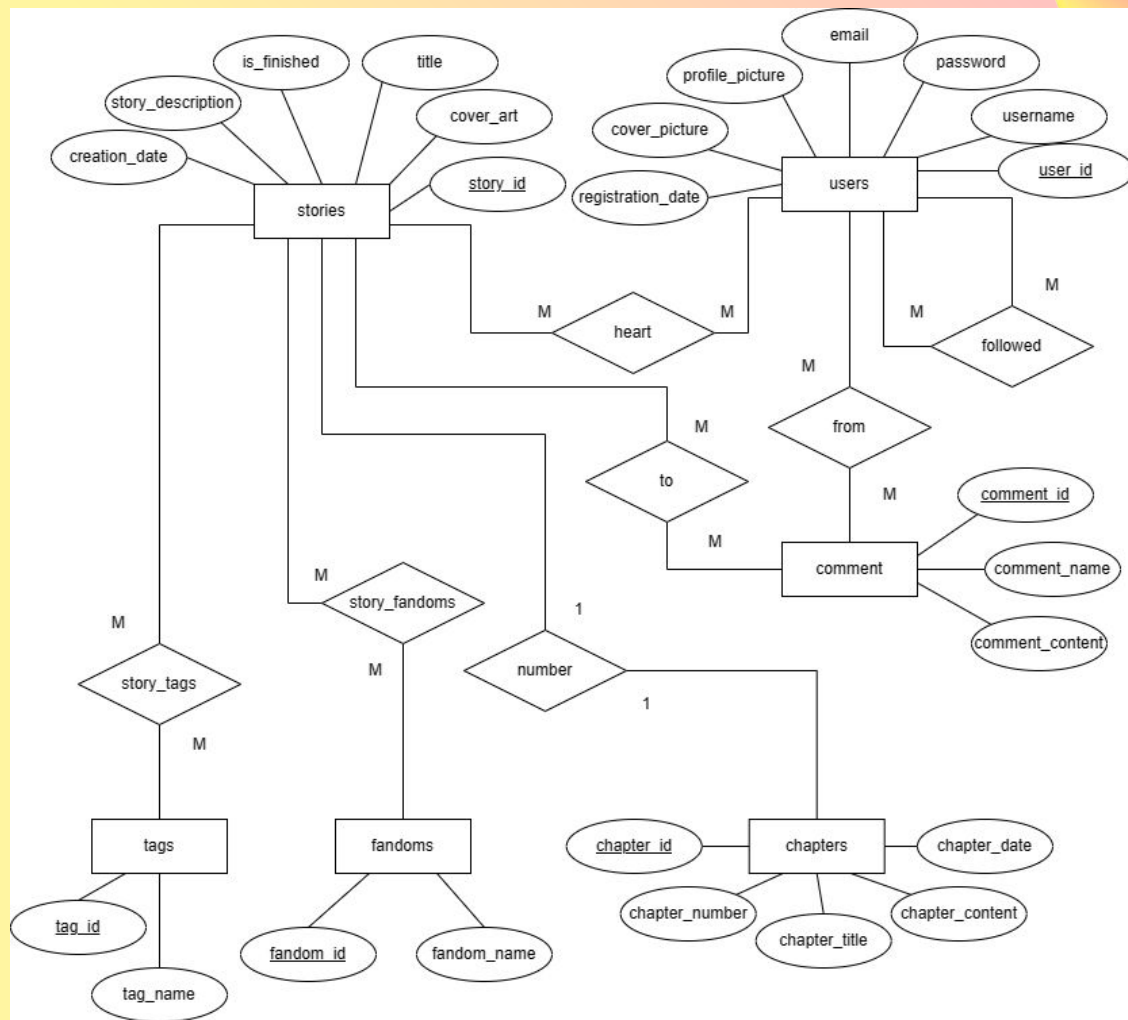


Backend, API

- Express (RESTful API)
- Bcryptjs (Hash password)
- Body-parser (Parsing request body)
- Cookie-parser (Parsing cookie)
- Cors (Koneksi ke API pada URL tertentu saja)
- Dotenv (Environment variables)
- Jsonwebtoken (Access Token)
- Multer (Upload Image)
- Nodemon (Run script untuk menjalankan app langsung)
- Pg (Pooling koneksi untuk PostgreSQL)

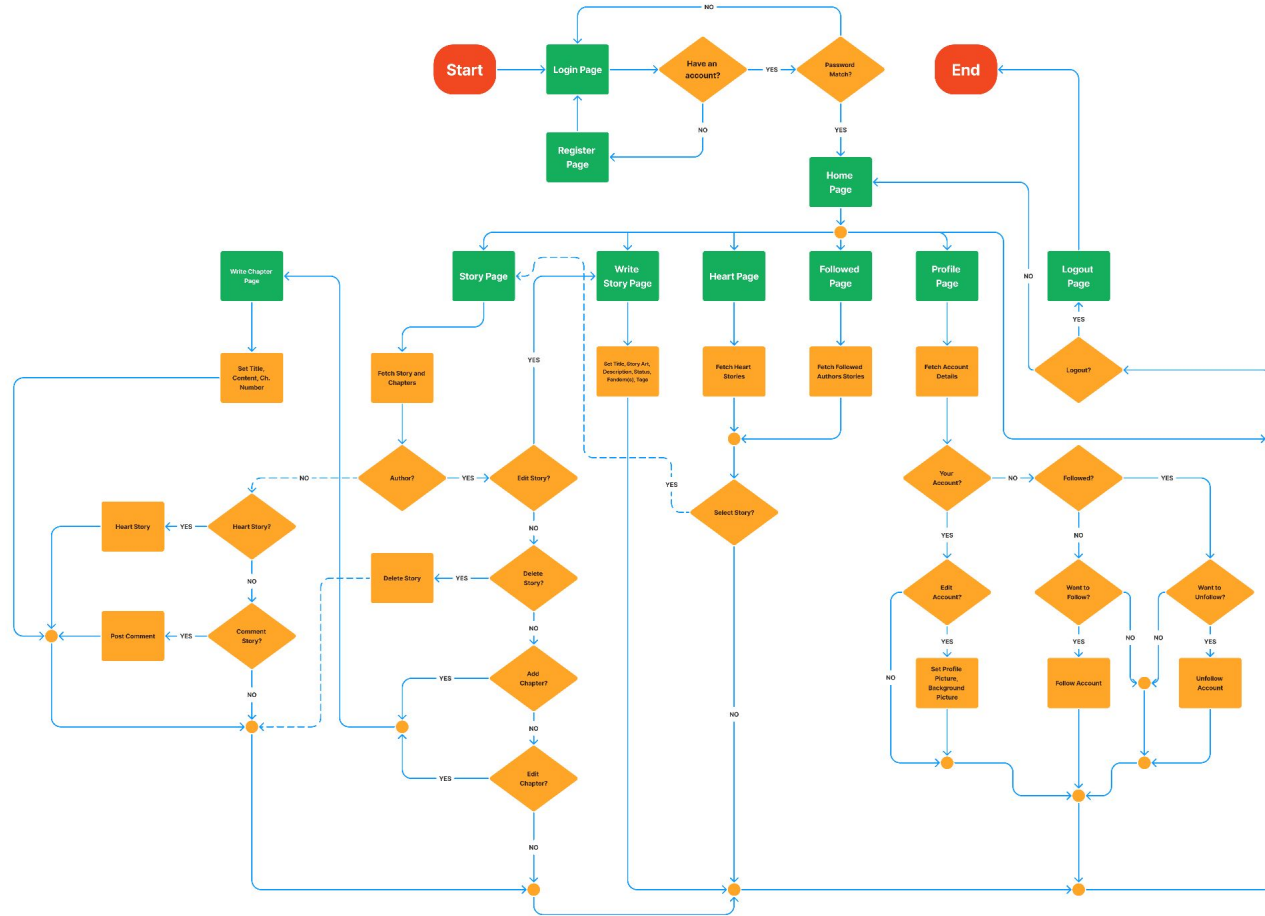


Entity Relationship Diagram



FanHive

Flowchart



80%

Tingkat kesulitan pengerjaan proyek karena mempelajari frontend website dari 0 dan framework terkesan asing, serta tabel dan detail yang banyak mengakibatkan query PostgreSQL yang panjang.

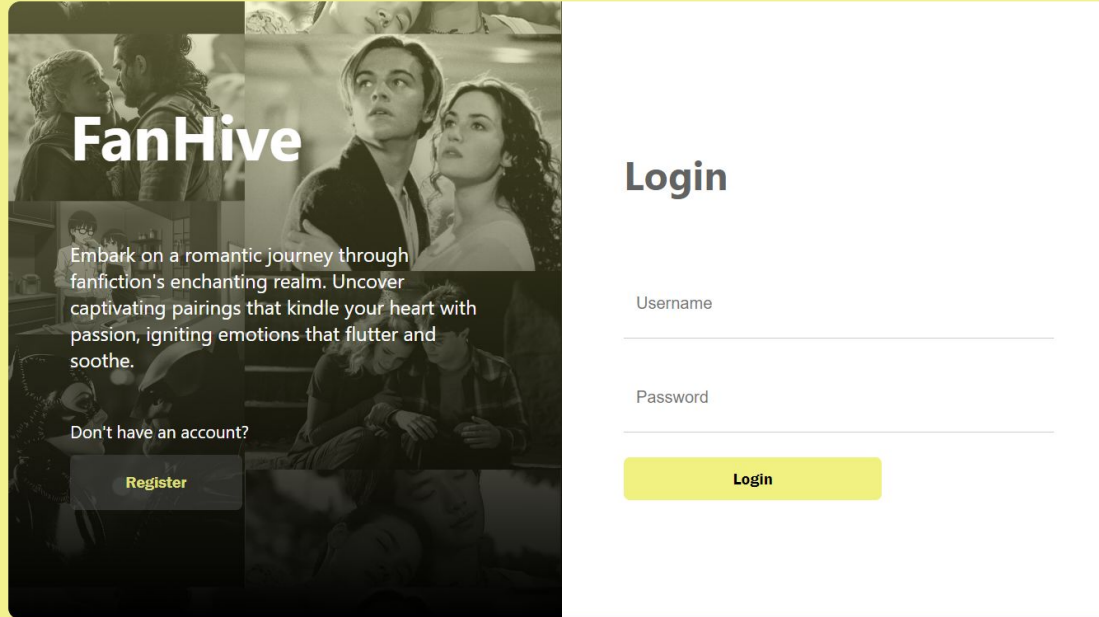


FanHive

02

A Closer Look

Login Page View



The login page features a dark, collage-style background with various fanfiction-related images. On the left, the 'FanHive' logo is prominently displayed in white. Below it, a paragraph of text describes the site's focus on romantic fanfiction. A 'Register' button is located at the bottom left. On the right, a white box contains the 'Login' heading, followed by input fields for 'Username' and 'Password', and a yellow 'Login' button.

FanHive

Embark on a romantic journey through fanfiction's enchanting realm. Uncover captivating pairings that kindle your heart with passion, igniting emotions that flutter and soothe.

Don't have an account?

[Register](#)

Login

Username

Password

Login

Register Page View

Register

Username

Email

Password

Register

FanHive

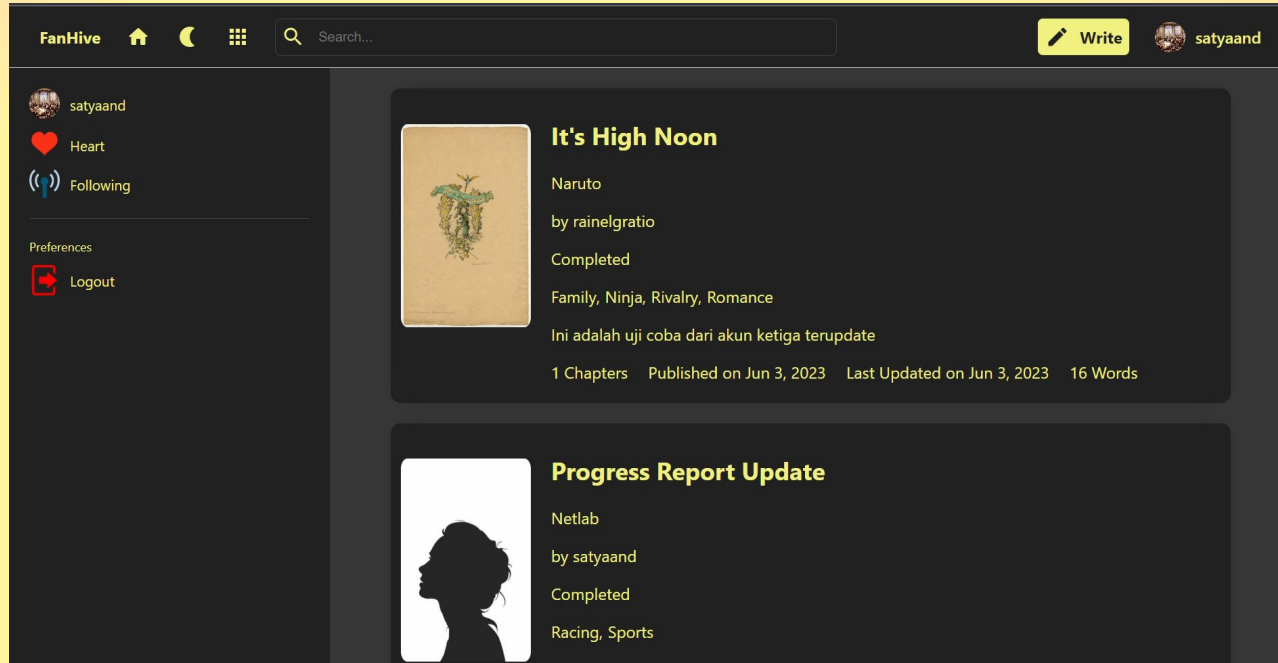
She had been dreaming, she realized. Lady was with her, and they were running together, and ... and ... trying to remember whether she had made an **account** or not.

- Definitely **NOT** Sansa III, AGOT

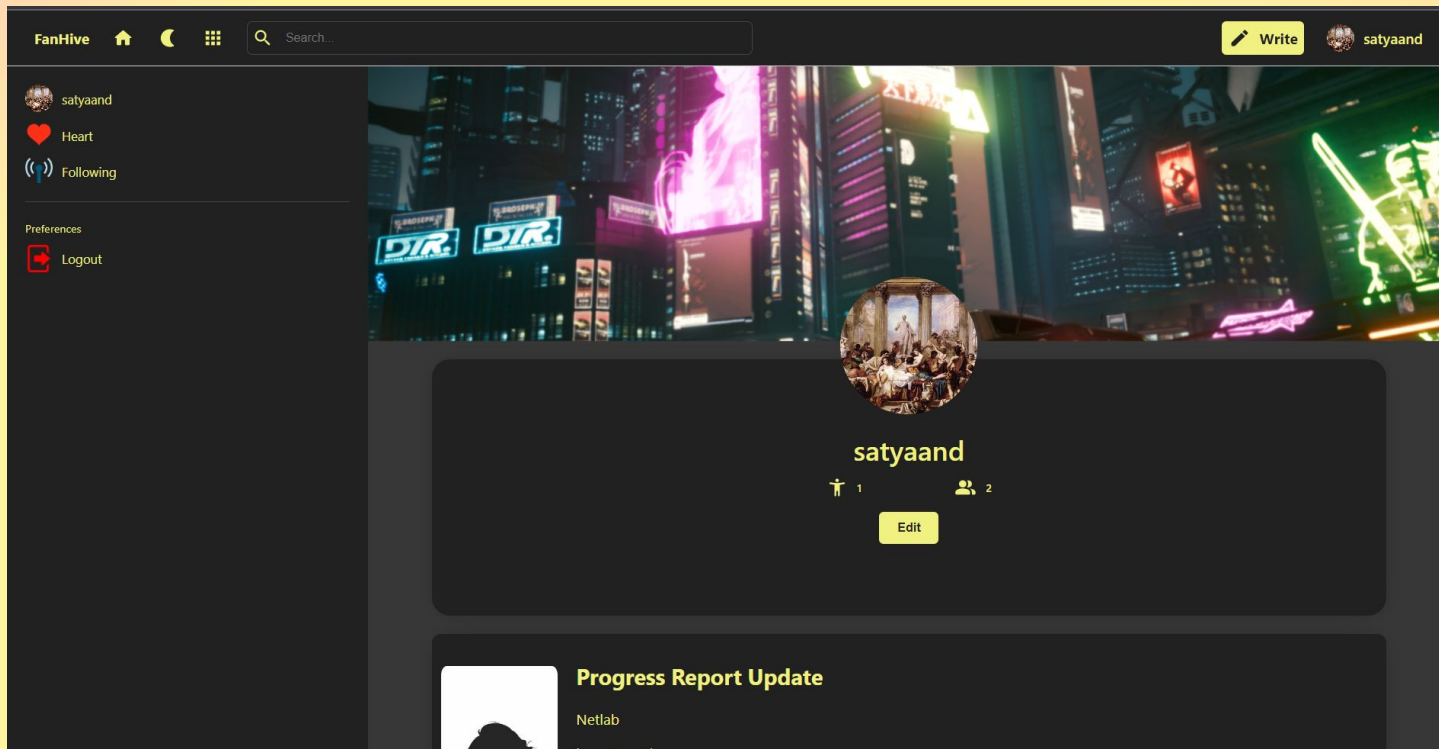
Have you remembered yours?

Login

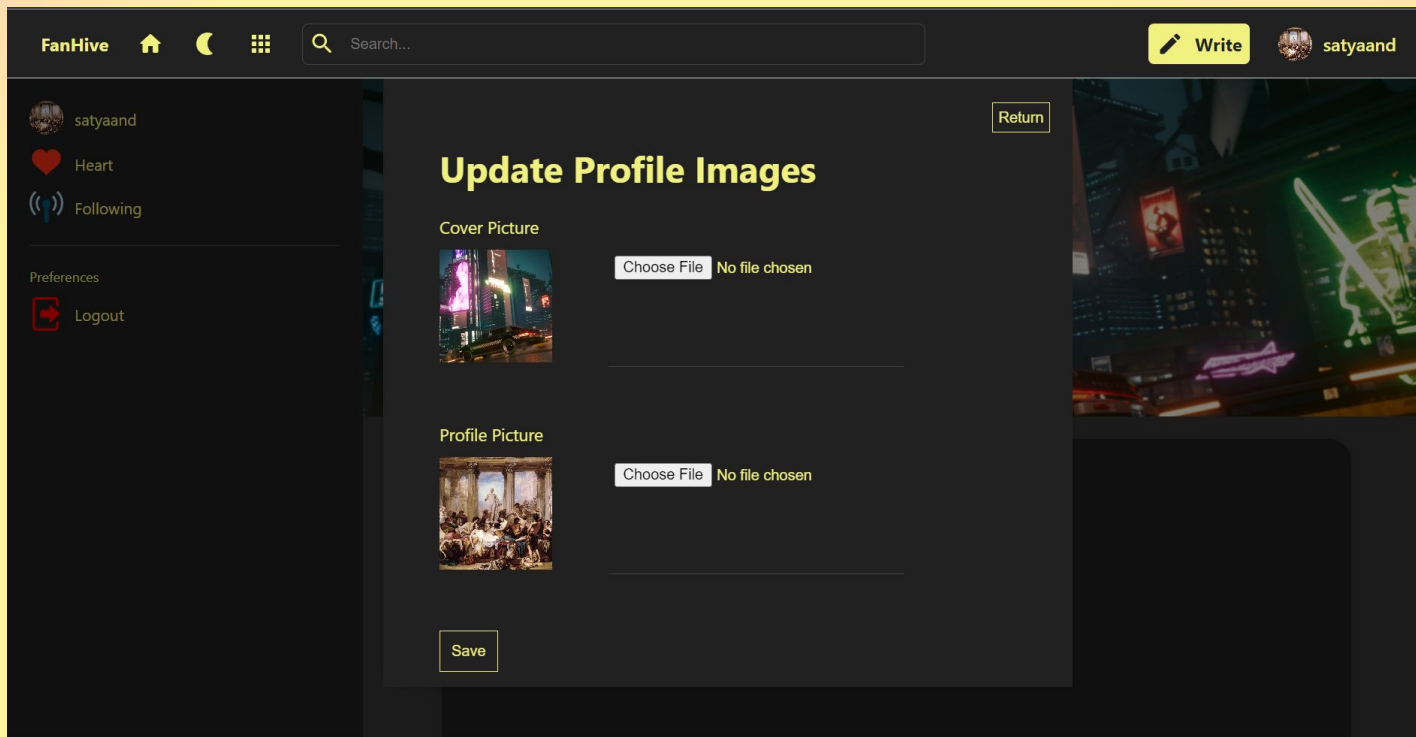
Main Page View



Profile Page View



Update Profile Window



Story View (Not Owned)

FanHive

Search...

Write

satyaand


satyaand

Heart

Following

Preferences

Logout



It's High Noon

by [rainelgratio](#)

Completed

[Family](#), [Ninja](#), [Rivalry](#), [Romance](#)

Ini adalah uji coba dari akun ketiga terupdate

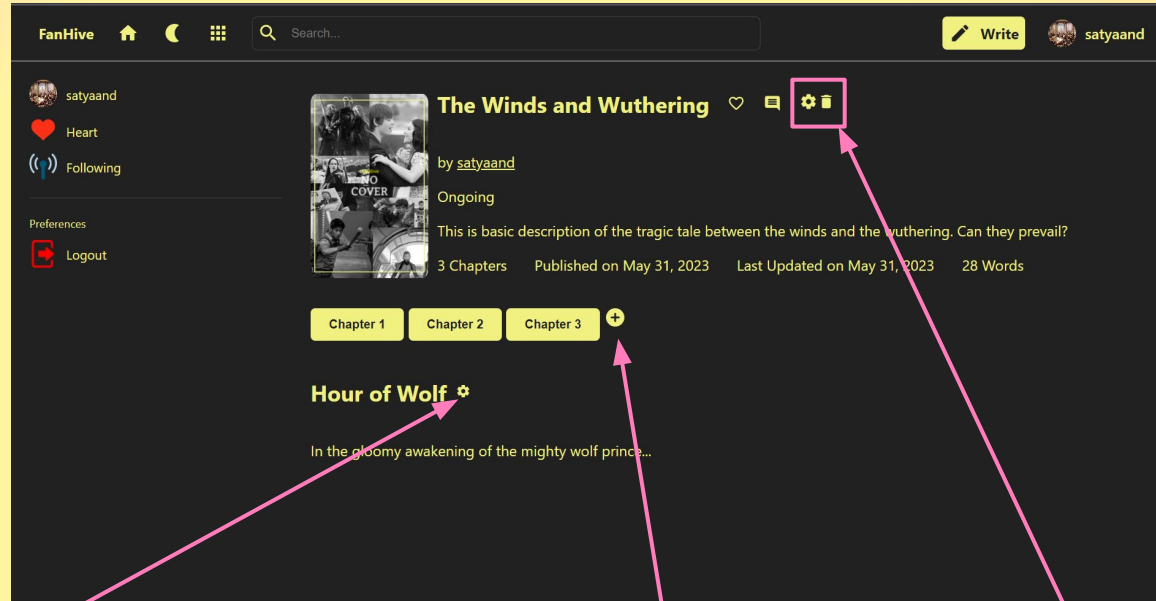
1 Chapters Published on Jun 3, 2023 Last Updated on Jun 3, 2023 11 Words

Chapter 1

Mount Everest Updated

This is a chapter one from It's High Noon but reimagined...

Story View (Owned)






Edit Chapter Button


Add Chapter Button


Edit/Delete Story


Comment Section


FanHive





 Search...

 Write


 satyaand

 satyaand


 Heart

 Following

Preferences


 Logout

Comments




Share your thoughts...

Share

 satyaand


Halo ges

Jun 6, 2023

 satyaand

Halo

Jun 5, 2023

 eldisjawr




I agree.


Jun 4, 2023


Write Story Page





FanHive





 Search...

 Write


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 satyaand

 Heart

 Following

Preferences


 Logout


Story Title


Fandom(s)


Tags, separate by comma


Normal

















Post Fic

Story Art (Recommended: 512x800px)

[Upload Image](#)

Submit




Status


☐ Finished


Write Chapter Page





FanHive





 Search...

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 Write

 satyaand

 Heart








 Following

Preferences


 Logout

Chapter Title

Normal



Progress Report Update



Chapter

3

Submit



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03

Known Bugs

Known Bugs

Bug yang diketahui, beserta kemungkinan solusi ke depannya

Word Count Tidak Sesuai pada Halaman Utama	Bisa menerapkan subquery untuk tabel chapter, namun akan menambah overhead karena halaman utama bisa memuat banyak sekali cerita. Selain itu, tidak begitu efektif karena chapter tidak ditampilkan pada halaman utama. Solusi lainnya adalah membuat kolom/atribut word count pada tabel Stories dan Chapter, sehingga meringkas query.
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04

**What's
Ahead?**

TO DOs / Further Improvements

Fitur tambahan yang dapat diimplementasikan apabila tidak terbatas waktu.

Pagination	Pagination membatasi jumlah cerita yang dimuat pada halaman web, sehingga bisa mengoptimalkan performa pada backend dan database PostgreSQL.
Sorting dan Searching Interaktif	User dapat memilih untuk menampilkan cerita berdasarkan kurun waktu tertentu dan searching lebih lanjut dengan auto-suggestion.
Searching Atribut Tambahan	Search tag, fandom, deskripsi, judul chapter, bahkan konten chapter.
Stack Search	Bisa menerapkan operasi AND/OR dalam pencarian lebih dari satu tag/fandom.
Tambahan Keamanan	Regex untuk kriteria password dan/atau username.
Update Informasi Profile Tambahan	Mengubah password lebih plausible dibandingkan mengubah username.

Thanks

Visit Our Repository

<https://github.com/SistemBasisData2023/fanhive>

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