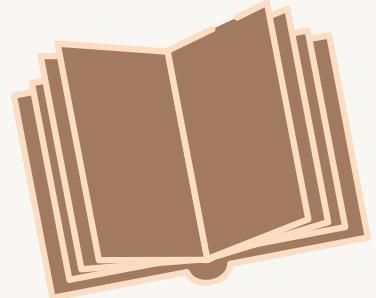




WEB PROGRAMMING

Book Recommendation Website Project



B.tech (CSE)/(AI)

Semester 3rd

Group members :

Ruqaiya Khan and Shefali Khan

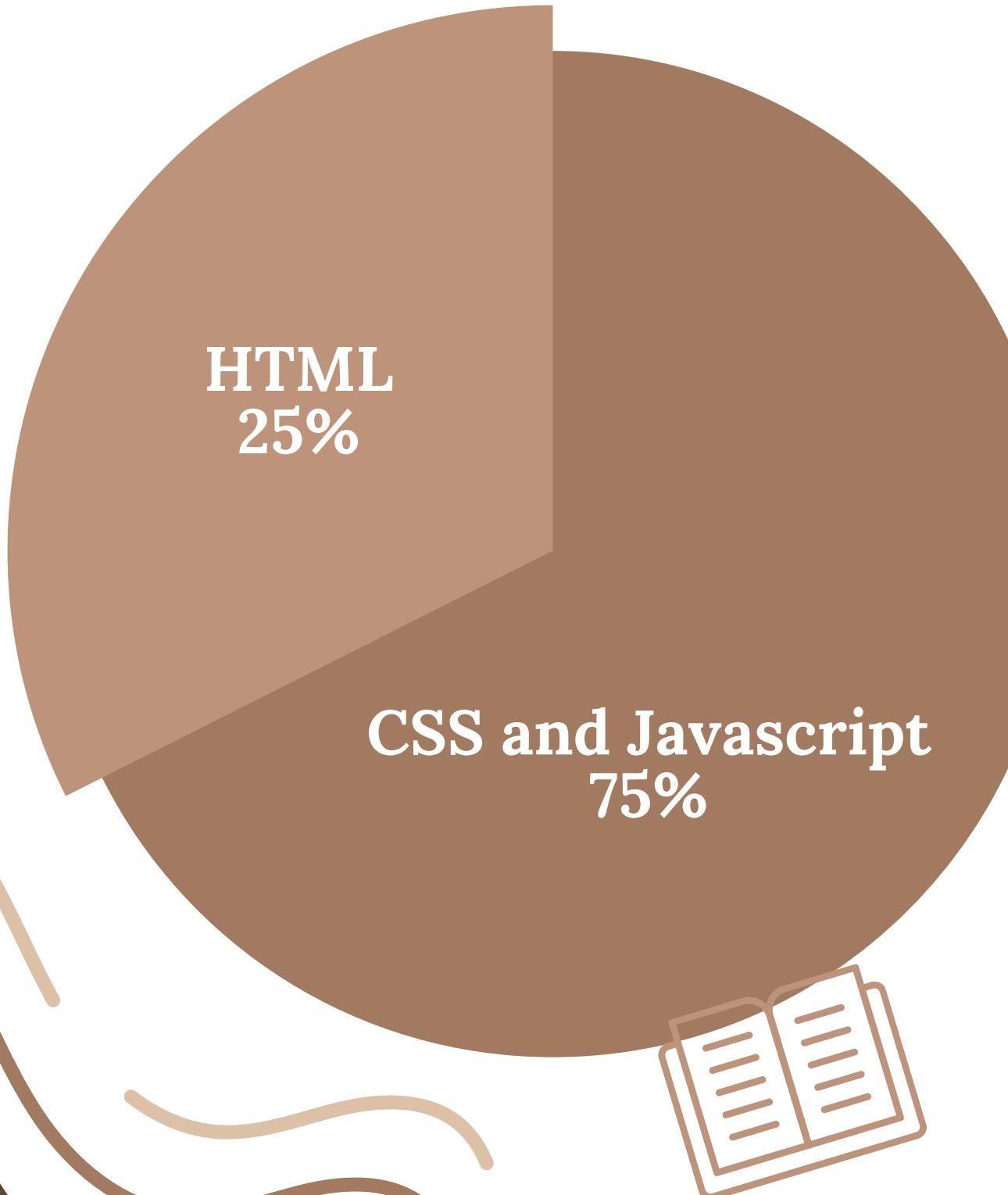
INFINITESHELF

Book Recommendation Website

- » A web app that recommends books using the OpenLibrary API
- » Lets users search books, save favorites, create profiles, and get random recommendations
- » Built using HTML, CSS, JavaScript



TOOLS & TECHNOLOGIES USED



HTML

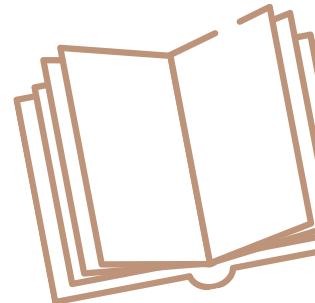
- Builds the layout of the website
- Used to create pages, forms, buttons, sections, headings, etc.

CSS

- Gives the site its color theme, fonts, responsiveness
- Used for layout (flex, grid), design (cards, buttons), spacing, UI polish

JavaScript

- Adds interactivity & logic
- Fetches data from OpenLibrary
- Handles search, filters, favorites, statistics
- Stores data using localStorage



WHY THESE TECHNOLOGIES WERE USED

HTML

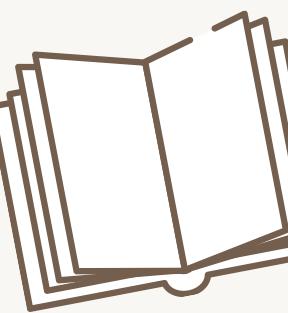
- Simple, universal
- Perfect for website structure

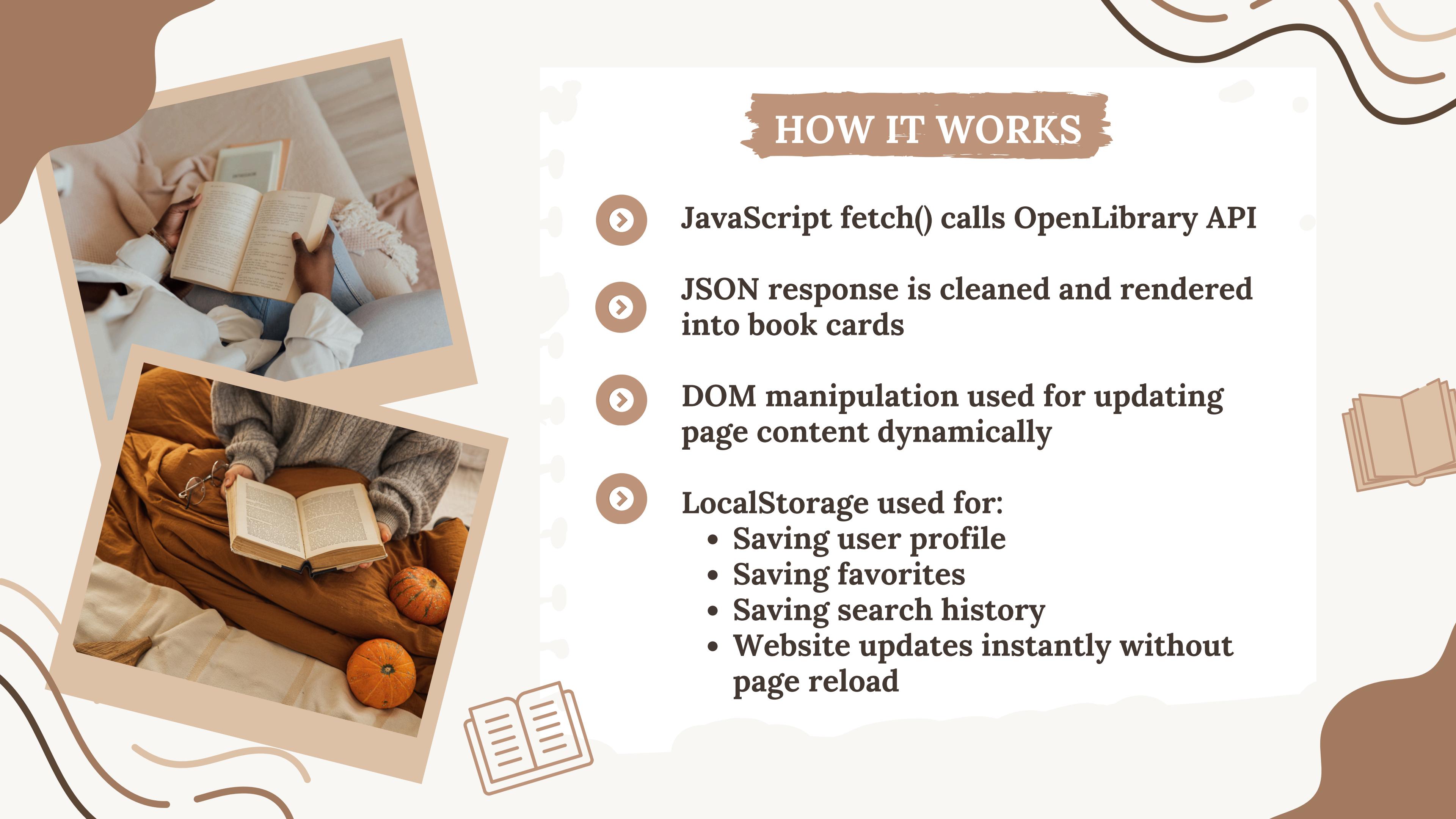
CSS

- Makes UI clean and appealing
- Flexbox, Grid for responsive layout
- Essential for professional look

JavaScript

- Allows API calling, interactivity
- Used to update content dynamically
- Manages user data & features





HOW IT WORKS

▶ JavaScript fetch() calls OpenLibrary API

▶ JSON response is cleaned and rendered into book cards

▶ DOM manipulation used for updating page content dynamically

▶ LocalStorage used for:

- Saving user profile
- Saving favorites
- Saving search history
- Website updates instantly without page reload

KEY FEATURES



User Profile System

- Save name & preferred genre
- Auto-loads on next visit



Book Search System

- Search by title, author or keyword
- Filter by “has cover”



Favorites Section

- Save books
- Remove favorites
- View all saved favorites



Random Recommendation Button

- Uses preferred genre, gives a random suggestion.



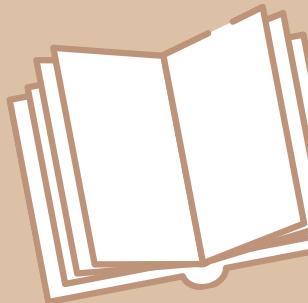
Search History Stats

- Shows top 3 most searched terms
- Computed using localStorage



CONCLUSION

This project uses HTML, CSS, and JavaScript to create a simple, clean, and functional book recommendation website. With API-based search, favorites, and personalized suggestions, it provides an interactive and user-friendly reading experience.



DEMO

Homepage

Welcome to InfiniteShelf
Your personal gateway to finding books that match your taste.

Discover Your Next Favorite Book

Explore thousands of books across genres and get personalized recommendations. Whether you love thrillers, fantasy, romance, or self-help – we've got something just for you.

[Find Recommendations](#)

What You Can Discover

Explore books across genres:

- Fiction: BE STILL and KNOW by MILLIE STAMM
- Fantasy: IMMIGRANT HUSTLE by AMINE RAHAL
- Romance: Jonathan "Sugar Joe" Friend by PATRICK T. SMITH and PATTY (FRIEND) THOMPSON
- Mystery: Margaret Atwood's The Handmaid's Tale
- Sci-Fi: JUEGOS DE MISTERIO PARA ADULTOS by LARIBELA FANTASTICA
- Self Help: SEEING RACE AGAIN by KIRKET WILLIAMS CROWDER, LUKE CHARLES HORNIS, DAVID MARINUS HILLING & GEORGE LOPEZ

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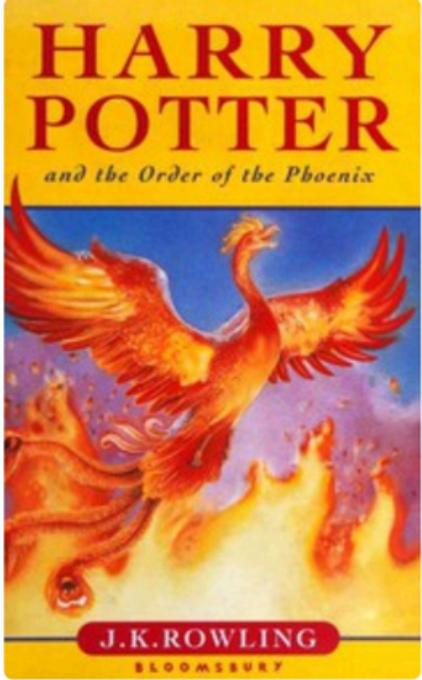
Book recommender page

Book Recommender

RUQAIYA Fantasy Save Preferences

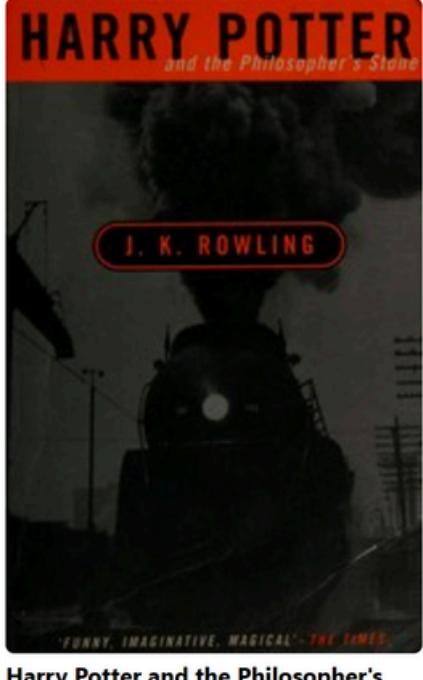
harry potter Search All Random Reco Show Favorites

Recommendations



HARRY POTTER
and the Order of the Phoenix
J.K. ROWLING

Harry Potter and the Order of the Phoenix
J.K. Rowling
First published: 2003
[Add to favorites](#)



HARRY POTTER
and the Philosopher's Stone
J. K. ROWLING

Harry Potter and the Philosopher's Stone
J. K. Rowling
First published: 1997
[Add to favorites](#)

Your Data

RUQAIYA
Preferred genre: Fantasy

Stats
Top searches: harry potter (5)

Favorites

No favorites yet



THANK YOU

Ruqaiya Khan

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Shefali Khan

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2024BTAI014