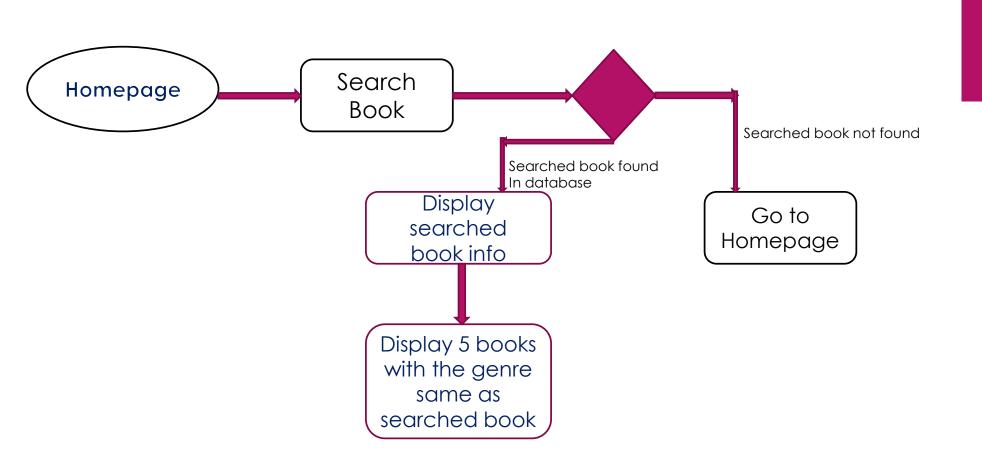SWETHA. N

BTECH-CSE

SASTRA UNIVERSITY

Project - Algorithms

- I have developed a book recommender system
- Content Based Filtering
- Recommends new books based on the genre of the searched book
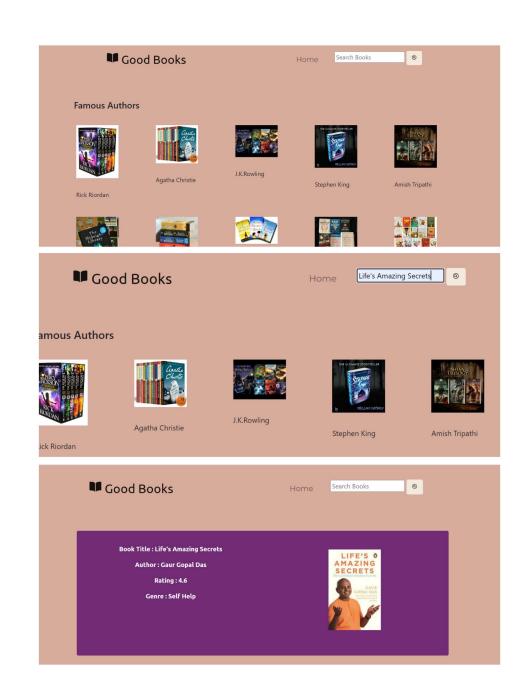- If the searched book is not found, redirects to home page.

```
Homepage ──▶ Search
              Book      ──────▶  ◆
                                 │                    Searched book not found
                                 │
          Searched book found    ▼
          In database      Display              Go to
                           searched            Homepage
                           book info
                              │
                              ▼
                        Display 5 books
                        with the genre
                          same as
                        searched book
```

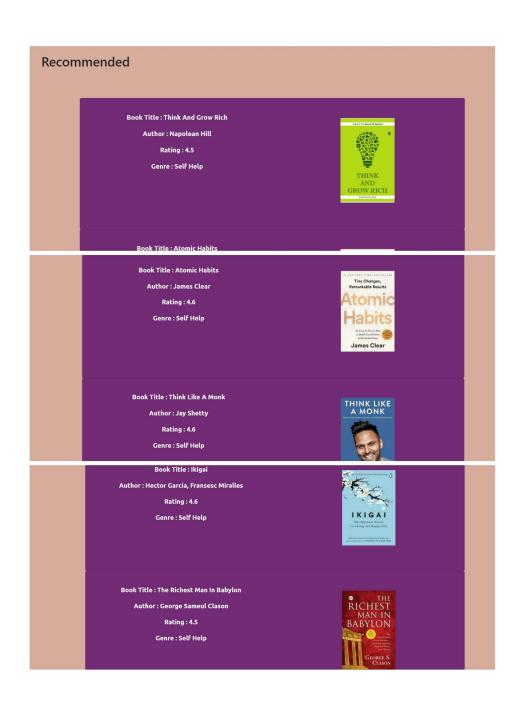- ▶ **Title:** Book recommendation system.

- ▶ **Objective:** Recommend a book from the database based on the book searched by the user.

- ▶ **Technologies used:**

1. Database generated using MongoDB for book set (title, author, genre and rating).

2. Frontend with HTML, CSS and JavaScript

3. Backend using Node.js and MongoDB

► **Working:**

1. Searches for a book and gets the details

2. Recommend few books based on the search.

3. The user gets a list of books based on the genre of the book searched.

► **End result:** The user must be able to get 5 recommended books based on his search.

Screen 1

Good Books 📖   Home   [Search Books] 🔍

Famous Authors

Rick Riordan   Agatha Christie   J.K.Rowling   Stephen King   Amish Tripathi

Screen 2

Good Books 📖   Home   [Life's Amazing Secrets] 🔍

Famous Authors

Rick Riordan   Agatha Christie   J.K.Rowling   Stephen King   Amish Tripathi

Screen 3

Good Books 📖   Home   [Search Books] 🔍

Book Title : Life's Amazing Secrets

Author : Gaur Gopal Das

Rating : 4.6

Genre : Self Help

Recommended

Book Title : Think And Grow Rich

Author : Napolean Hill

Rating : 4.5

Genre : Self Help

Book Title : Atomic Habits

Book Title : Atomic Habits

Author : James Clear

Rating : 4.6

Genre : Self Help

Book Title : Think Like A Monk

Author : Jay Shetty

Rating : 4.6

Genre : Self Help

Book Title : Ikigai

Author : Hector Garcia, Fransesc Miralles

Rating : 4.6

Genre : Self Help

Book Title : The Richest Man In Babylon

Author : George Sameul Clason

Rating : 4.5

Genre : Self Help

Thank You