Shared Review System

Team Members

- 22B0942 – Prakash S. Rathod

- 22B0961 – Narendar

- 22B0966 – Rohit

Database Schema

database includes the following tables:
`user_item_status, users, comments, comment_notifications, password_reset_tokens, ratings, user_favorite_genres, items, categories, messages, friends, review_likes, verification_pins`.

Working Directory Structure

- **Backend**

    - app.js
    - DDL.sql
    - data.sql
    - uploads/
    - node_modules/

- **Frontend**

    - src/
        * App.js
        * index.js
        * css/
            · dashboard.css
            · UserProfile.css
            · Profile.css
            · Notificatiion.css
            · Category.css
            · ItemDetail.css

- · FriendRequests.css
- · login.css
- · singup.css
- · verification.css
- · ....many more
  - * pages/
    - · Home.jsx
    - · Dashboard.jsx
    - · profile.jsx
    - · Category.jsx
    - · Chat.jsx
    - · Notifications.jsx
    - · ItemDetail.jsx
    - · FriendRequest.jsx
    - · Item.jsx
    - · Login.jsx
    - · Signup.jsx
    - · profileDetails.jsx
    - · VerificationForm.jsx
    - · ForgotPassword.jsx
    - · ResetPassword.jsx
    - · ...mory more
  - * components/
    - · Navbar.jsx
    - · Navbar.css
  - * config/
    - · config.js
- – package-lock.json
- – package.json
- – README.md
- – public/*

Goal

The main objective of this project is to build a platform similar to **Goodreads**, but with extended support across multiple content categories.

Unlike Goodreads, which is limited to books, our system allows users to rate and review:

- Movies

- Books

- Web Series

- Posts

- Articles

- Music

Users can:

- Rate and review items

- Receive personalized recommendations

- Users can chat (one - one)

We started this project from scratch and have implemented the following core features:

User Authentication

- **Signup Page:** New users are required to verify their email. After signing up, they are directed to a profile page to select their favorite genres, which helps generate personalized recommendations.

- **Verification page:** when a user signup up his email gets verification by sending a pin to email and pin is valid upto 10min .

- **Login Page:** Includes a "Forgot Password" option and supports login through Google authentication. It navigates to dashboard page(home page)

Navigation and Layout

- **Sidebar:** Displayed on all pages with quick access to the Home Page, Categories, Profile, Notifications, and Logout options.

Core Pages and Functionalities

- **Home/Dashboard Page:** Includes a global search bar that allows users to search across all categories. Clicking on a result redirects to the respective Item Detail page.

- **Categories Page:** Displays categories like Movies, Books, Courses, TV Shows, News Articles, Posts, and Music. Items are sourced from online databases.

- **Item Listing Page:** If searched item not there in database then through api call we get item in database (api for movies , books developed) by this we can search added item from home page only

  - Lists all items within the selected category
  - Features a search bar specific to that category
  - Sorting options: Alphabetical, Genre, Release Date, Latest, Top Rated
  - Users can rate an item directly from this page without navigating to the Item Detail page

- **Item Detail Page:**

  - Displays complete information about the item (name, genre, release date, average rating)
  Users can:
    * Rate and review the item
    * Like and comment on existing reviews
    * View like and comment counts
    * Update their status (e.g., "Read", "Reading", "Want to Read")

- **Profile Page:** Divided into four sections:

  1. **My Profile:**
     - Users can edit their name, bio, and upload a profile picture
     - Select favorite genres for personalized recommendations
     - Displays total number of ratings and reviews
     - Shows follower/following counts with an interface to view connections
  2. **Favorite Genres:** Displays selected genres.
  3. **User Item Status:** Displays user's statuses across items
     Includes filters by category so he can track his activities
  4. **Recommended Users / All Users:** Based on mutual interests or displays all users.

- **User Profiles Page:** Displays other users profiles, their reviews on which we can comment.Can Remove Followers on User Profiles.

- **Notifications Page:** Divided into two sections:

  - **Friend Requests:** Includes username, profile image, and Accept/Reject options
  - **Review Comments:** Notifies users when others comment on their reviews
  - Includes a "Clear All Notifications" option

Chat Functionality

One-to-one chat between mutual friends (users who follow each other). Messages are stored in the `messages` table.

Recommendation System

- Based on users' selected genres in different categories

- Genre selection is made via the profile edit form:

  - First, users select a category
  - Then, they choose one or more genres under that category
  - Selected genres are saved and displayed above the form
  - Users can add other genres from other categories

Personalized Preferences

- Users select preferred genres and categories from the Profile Page.

- New users are prompted during signup to select preferences.

- Home Page displays personalized recommendations based on these preferences.