**Coding Creativity Challenge (Reach Best)**

This documentation outlines the design and implementation of a book-matching web application that matches user personalities with literature genres and specific books. The application consists of a front-end user interface and a back-end database. It uses vector-based calculations to determine book recommendations based on user input.

**Front-End Part: ReactJS + Tailwind CSS**

* Created a Login Page for SignIn & SignUp.
* Created 1 Page User Interface, which contains Responsive Navigation Bar, Two Input Fields and Result Box.
* I have used Tailwind CSS Classes for UI Styling.
* Used Axios for Handling HTTP Requests from Back-End.
* Used Google Books API for getting Books Data (Attributes Used – Title, Authors, Genre & Average Rating)
* Used Notiflix Library for Loading and Notification.
* Components – Mainbody, Navbar & Login.

**Back-End Part: NodeJs + ExpressJs + MongoDB**

* **Created Node Server, Used Express for HTTP Handling & Used Mongoose Dependency to Operate MongoDB.**
* **Created 3 APIs – Fetch User Data (GET), Create New Users (POST) & Update User Data (PUT)**
* **Created Model Schema for Storing Data in MongoDB**
* **Stored User Email, Password, Genre Input & Author Input.**

**“Reach Best Full Stack Engineer Application 2023”**

**Name – Karan Singh**

**Applied for Job Position – Full Stack Developer**

**Github Link - https://github.com/karanns19/Reach\_Best\_Task**