Team Name- THE BINARY BRAINS

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PROBLEM STATEMENT

There exists a **significant gap** between individuals who **no longer require** their **books** and those who are in **desperate need of them.** An average scrap dealer collects around 2000 kg of books from households demonstrating wastage of an asset despite their continued usefulness.This **lack of efficient redistribution of books** not only leads to wastage of a sustainable resource but also limits access to knowledge for those who could benefit most from it.

PROPOSED SOLUTION

- Creating a website,making it easier for individuals to give away or find books that match their educational needs.
- Through our platform you can share these treasures of knowledge FREE of cost.
- No more wastage of resources.
- No more hesitation in borrowing books.

BOOK LOVERS can explore diversified content by exchanging books free of cost!!

FEATURES OF SOLUTION

CATEGORIES

School	Novel
College	Competitive

User Profiles: Users can create profiles to track their donations or requests. They can list books they no longer need and specify the type of books they are looking for.

Point earn system

- Give a book take 10 🏛
- Take a book give 10 🏛

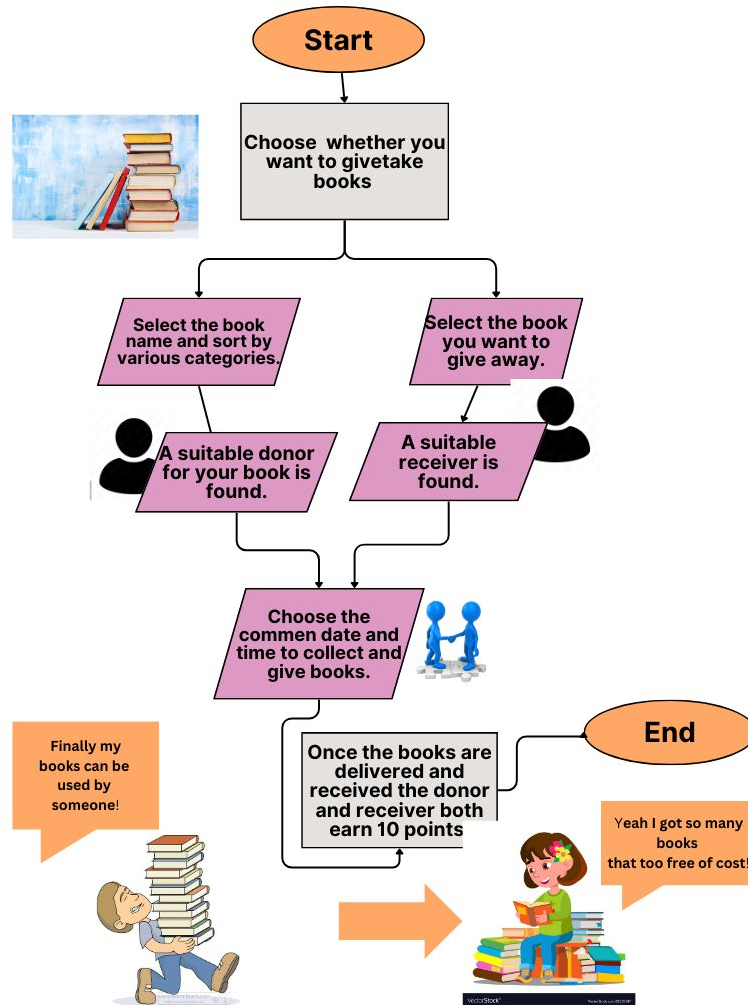*The absolute difference of 120 points can be tolerated*

Sort by Distance:
to help users find nearby donors or recipients.

Tech Stack

- **HTML**-HTML will define the different sections and categories of our website
- **CSS-**This will be used for styling of our website and making it responsive.
- **JavaScript -**JavaScript will handle dynamic features, such as displaying the available recipients and donors.
- **Bootstrap-**For better styling and responsiveness
- **React.js-**to create reusable UI components.
- **Node.js-**To handle backend operations like book listings.

WORK FLOW DIAGRAM

Start

Choose whether you want to givetake books

Select the book name and sort by various categories.

Select the book you want to give away.

A suitable donor for your book is found.

A suitable receiver is found.

Choose the commen date and time to collect and give books.

Once the books are delivered and received the donor and receiver both earn 10 points

End

Finally my books can be used by someone!

Yeah I got so many books
that too free of cost!

Target audience and engagement

Needy people and NGO'S

A needy person can be rich as well who is in need of a book instead of buying new one.Our platform help needy people and NGO's as well promoting the sustainable use of books .

Book Lovers

Many novel lovers or book readers have a great opportunity to collect one book and pass it on further after reading.

Library/ Bookshops

Can be useful to libraries / book sellers which cannot purchase books due to insufficient budget.

Students

Can be useful for School going students and students preparing for competitive examinations

FUTURE SCOPE

- **Book Tracking**: Add features to track the journey of each book — where it came from, how many hands it passed through, etc

- **Book Exchange Challenges and Events**: Gamifying the process by creating book exchange challenges, e.g., "The Book of the Month," where people are encouraged to exchange books based on a theme. It can encourage more interaction and foster a reading culture.

- **User Reviews and Ratings**: Allow users to rate books they receive and share reviews. This would help others determine the quality and relevance of the books before requesting them.