



Product – MyLibrary

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## Content overview:

1. Product Vision
  - a. Product Vision Statement
  - b. Product Vision Elaboration
2. Goal-oriented (GO) product roadmap (interactive)
3. Product Backlog
  - a. 38 user story titles
  - b. Roles – Visitor User, Registered User, and Admin
  - c. Business Value and User Impact for prioritization in range 1 – 5
  - d. Themes and Epics
4. Individual user stories
  - a. 38 user stories defined with acceptance criteria of varying detail to support backlog prioritization
5. User Story estimation
  - a. Story point estimation for each user story in range 1 – 8 only accounting numbers in Fibonacci sequence
6. Backlog Prioritization and User Story Estimation Explanation
7. Interactive Wireframes

## **Product Vision: “MyLibrary” Web Platform**

### **Product Vision**

For students, researchers, and book enthusiasts  
Who need fast, intuitive, and personalized access to a wide variety of reading materials  
MyLibrary is an AI-powered web library platform  
That provides instant access to a vast collection of resources while offering personalized reading recommendations, advanced search capabilities, and collaborative features for sharing insights and notes  
Unlike traditional libraries or basic digital platforms that lack adaptability,  
Our product leverages AI to enhance discoverability, reinforces engaging reading habits, and integrates multi-platform access.

### **Product Vision Elaboration**

MyLibrary is an AI-powered web library platform designed to enhance how users access and interact with reading materials. It addresses the challenges faced by students, researchers, and book enthusiasts who often struggle with limited reading material availability in traditional libraries, overwhelming search results on existing digital platforms, or a lack of personalized recommendations. Through utilizing cutting-edge AI technology, and collaboration tools, MyLibrary offers an innovative, user-centric solution for the modern library experience.






Traditional libraries struggle with physical availability of the reading materials, while existing online platforms can feel impersonal, overwhelming, or simply unfamiliar. Users frequently spend valuable time searching for relevant materials but simultaneously miss out on discovering resources aligned with their interests. Furthermore, collaborative learning opportunities are often absent from digital library platforms, leaving a gap in how readers share insights and work together.

MyLibrary solves these problems by providing:

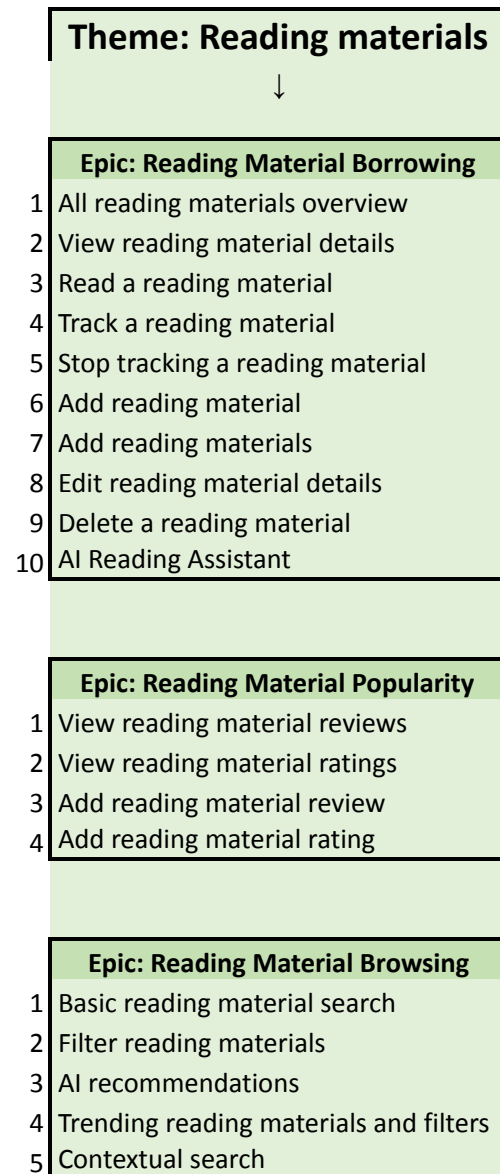
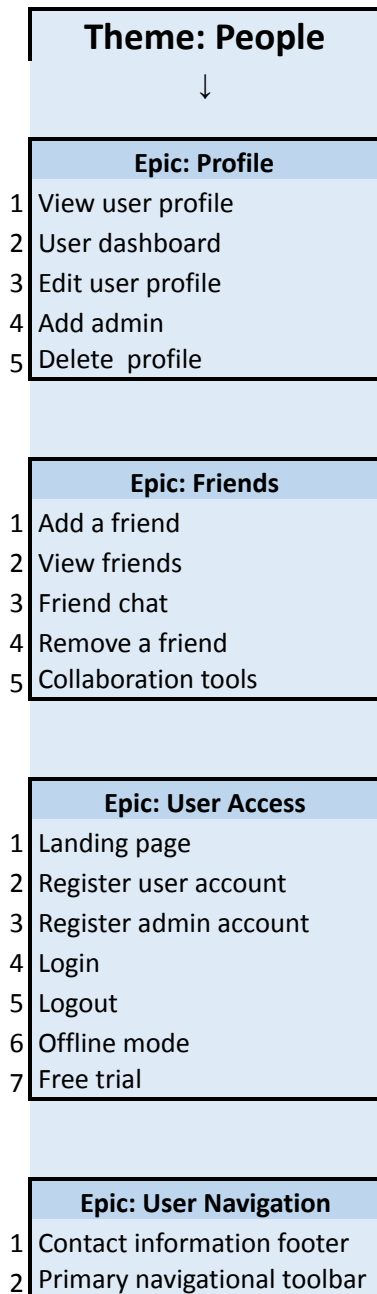
- **AI-Powered Personalization**: Personalized reading recommendations and advanced search features that adapt to user preferences and goals.
- **Collaboration Tools**: Interactive features like shared notes, annotations, and discussion forums to facilitate collaborative learning and group projects.
- **Seamless Accessibility**: A platform accessible across devices, with offline reading options for uninterrupted learning.

MyLibrary is a comprehensive knowledge hub designed to help users with faster ways of engaging with information. By addressing the limitations of traditional and existing digital platforms, MyLibrary aims to revolutionize the future of discovery and collaborative learning.

# THE GO PRODUCT ROADMAP

<div></div> <div><b>DATE</b> The date or time frame when a goal should be met.</div>				
<div></div> <div><b>NAME</b> The name of the new release.</div>				
<div></div> <div><b>GOAL</b> The outcome or benefit you want to achieve.</div>				
<div></div> <div><b>FEATURES</b> The high-level features required to meet the goal.</div>				
<div></div> <div><b>METRICS</b> The measures to determine if the goal has been met.</div>				

	Feature	Role	Business Value	User Impact	Story Point Estimation
1	Landing page	Visitor User	5	5	3
2	Register user account	Visitor User	5	5	5
3	All reading materials overview	Registered User	5	5	5
4	View reading material details	Registered User	5	5	5
5	Read a reading material	Registered User	5	5	8
6	Track a reading material	Registered User	5	5	8
7	Stop tracking a reading material	Registered User	5	5	3
8	Register admin account	Visitor User	5	5	5
9	Primary navigational toolbar	Registered User	5	5	3
10	View user profile	Registered User, Admin	5	5	5
11	Edit user profile	Registered User	5	5	5
12	User dashboard	Registered User	5	5	5
13	Login	Registered User	5	5	2
14	Logout	Registered User	4	5	1
15	Contact Information Footer	Visitor User, Registered User	4	5	2
16	Add reading material	Admin	5	4	8
17	Add reading materials	Admin	4	5	5
18	Edit reading material details	Admin	5	4	5
19	View reading material reviews	Registered User	4	5	3
20	View reading material ratings	Registered User	4	5	2
21	Add reading material review	Registered User	4	5	3
22	Add reading material rating	Registered User	4	5	3
23	Basic reading material search	Registered User	4	5	5
24	Filter reading materials	Registered User	4	4	3
25	Delete a reading material	Admin	3	4	1
26	Add a friend	Registered User	3	4	5
27	View friends	Registered User	3	4	3
28	Friend chat	Registered User	3	4	5
29	AI recommendations	Registered User	4	3	8
30	Remove a friend	Registered User	3	3	1
31	Trending reading materials	Registered User	3	3	3
32	Add admin	Admin	4	1	2
33	Delete profile	Registered User and Admin	2	3	1
34	Contextual search	Registered User	3	2	5
35	Offline mode	Registered User and Admin	2	3	5
36	Free trial	Registered User	2	3	2
37	AI Reading Assistant	Registered User	2	2	8
38	Collaboration tools	Registered User	1	2	5



## User Stories

### 1. Landing Page

As a visitor user, I want to interact with a smooth and informative landing page, so that I can quickly understand the purpose of the page and take action.

Acceptance Criteria:

- Landing page is displayed upon navigating to the website
- Background image spans the entire landing page.
- Main Text Section:
  - Text “ Welcome to MyLibrary! Let us redefine your digital library experience with thousands of reading materials – all for free.” should be displayed on top of the landing page.
  - The text is clear, visible and centered horizontally.
- Two Buttons:
  - Buttons are below the Main Text Section and both are visible on first view without scrolling.
  - First button is “Login”
  - Second button is “Register -> Free trial”
- If the page cannot be accessed due to failure of our server, the main text section will display the following text instead: “Oops. This service is currently down and we are working on a fix. Please try again later.”

### 2. Register User Account

As a visitor user I want to be able to register my account so that I can access MyLibrary platform's core functionality.

Acceptance Criteria:

- When a visitor user clicks on the “Register” button located on the landing page, they are redirected to the User Dashboard page.
- Register user account page will have the following inputs one below another:
  - First Name – textfield
  - Last Name – textfield
  - Username - textfield
  - Email – textfield
  - Date of Birth – textfield with a calendar trailing icon, clicking anywhere on the textfield opens a dialog for selecting a date
  - Gender – dropdown with options: Male, Female, Other
    - In case user chooses Other gender option, below this dropdown there will be an optional textfield “Specify gender (optional)”
  - Password – textfield
  - Repeat Password – textfield
- Input Validation:
  - All inputs except “Specify gender (optional)” are required. Validation message: “This field is required.”

- DOB must be in the past. All dates in the past are greyed out in the date picker dialog.
- Email must be a valid email address eg. [user@example.com](mailto:user@example.com). Validation message: "Invalid email address. Please check your spelling."
- Password and Repeat password must be the same. Validation message: "Repeat password not the same as password field."
- Button with the name "Register My Account" is below all the inputs and clicking on it submits the entered data which creates a record in the database.
- In case the record cannot be created in the database, an alert message will be displayed with text "Oops. Something went wrong."
- User is redirected to a blank screen upon successful registration.

### 3. All reading materials overview

As a registered user I want to see all available reading materials so that I can choose which reading materials I'm interested in.

Acceptance criteria:

- All reading materials overview page is accessed upon successful user account registration.
- On top of the page there is a search text field whose functionality is out of scope of this user story.
- Reading materials section is located below the search text field and it is made up of multiple reading material cards that are further arranged in pages.
- Reading material card:
  - Represents one reading material/book.
  - Contains the reading material picture, title and author.
- Reading material pagination:
  - Multiple reading material cards are arranged together in pages of fixed size – 16 reading material cards.
  - On the bottom of each page, there are buttons for "Previous" and "Next" pages as well as clickable numbers indicating all pages in-between.
  - Clicking on "Previous" button shows a reading material page one number less than the user is currently on (eg. clicking on "Previous" at page 3 takes the user to page 2).
  - Clicking on "Next" button shows a page one number more than the user is currently on (eg. clicking on "Next" at page 3 takes the user to page 4).
  - Clicking on a number between "Previous" and "Next" button shows a reading material page corresponding to that number.
  - There is no "Previous" button on the first page and there is no "Next" button on the last page.
- In case of an error and all reading materials cannot be fetched, an alert message will be displayed with text "Oops. Something went wrong."

### 4. View reading material details



As a registered user, I want to view details of a reading material so that I can make sure its contents are tailored to my needs and that I want to read it.

Acceptance criteria:

- Upon clicking on one reading material card from All reading materials overview page, the registered user is redirected to View reading material details page.
- The reading material details are arranged in two columns that are next to each other and one main row above the columns.
- Column 1 contains the following data in read only textfields:
  - Author(s) separated with a coma “,” - read only textfield
  - Genre/category - read only textfield
  - Type – Research paper, Book, Textbook, Magazine, Comic book, Article, Recipe, and Poetry
  - Language
  - Audience – General audience, Teen, and Adult
  - Keywords – labeled text
- Column 2 contains following components:
  - Button “Read this [insert reading material type]” (eg. “Read this magazine”) – button action is out of scope of this story
  - Button “Track this [insert reading material type]” (eg. “Track this magazine”) – button action is out of scope of this story
    - The two aforementioned buttons are on top of column 2 and are placed in a row next to each other.
- Main Row:
  - Reading material picture
  - Title
  - Subtitle
- Below everything is the summary.
- In case the summary is missing, the summary text should display “No summary is available.” instead.
- In case of any missing values of textfields mentioned in both columns, do not show the textfield at all.
- If an error occurs and the reading material cannot be fetched, an alert message will be displayed with text “Oops. Something went wrong.”.

## 5. Read a reading material

As a registered user, I want to smoothly read my chosen reading material in order to have a modern digital library experience.

Acceptance criteria:

- This story covers the click action of button “Read this [insert reading material type]” found on page View reading material details.
- A registered user should be able to access all reading materials available in the database.
- Upon clicking on the button, a custom fullscreen modal is opened for an immersive reading experience.

- Custom reading modal:
  - The modal is fullscreen.
  - The look and feel of the modal is a book-like layout so that users see two pages at a time, the exceptions being the first page and the last page that are displayed as a single page layout.
  - The close button is located in the top right corner of the modal that closes the modal and unblocks the background UI.
  - Controls:
    - The pages should be flipped upon mouse drag in left and right directions for turning a page left and right, respectively.
    - Left and right arrow keys should also turn the page in arrow direction.
    - Below the book-like layout, there are two arrow icon buttons next to each other. The first button is a left arrow icon button for turning a page left, and the second button is a right arrow icon button for turning a page right.
- If an error occurs and the reading material cannot be fetched, an alert message will be displayed with text "Oops. Something went wrong."

## 6. Track a reading material

As a registered user, I want to track reading material in order to have a better and more personalized user experience.

Acceptance criteria:

- This story covers the click action of button "Track this [insert reading material type]" found on page View reading material details.
- Once the button has been clicked, it becomes greyed out and its text changes to "Untrack this [insert reading material type]". – action of this button is out of scope of this story
- A registered user can track up to 5 reading materials.
- Clicking on the button adds the reading material to the user's list of tracked reading materials in the database.
- Upon closing of the reading material, the database keeps track of the page number the user left reading on and also calculates how many pages are left until the reading materials completion using the aforementioned page number.
- Tracking a reading material sends an email notification to the email address the user is logged in with every time there is a new edition of that reading material.
- Additionally, if a user hasn't read a tracked reading material over 1 month, an email notification is sent to remind a user on which page they left off and how many more pages are there in this reading material until its completion.
- If an error occurs and the reading material cannot be tracked, an alert message will be displayed with text "Oops. Something went wrong."

## 7. Stop tracking a reading material

As a registered user that tracks a reading material, I want to stop tracking this reading material so that I can track a different one for a better user experience.

Acceptance criteria:

- This story covers the action of the button “Stop tracking this [insert reading material type]” found on page View reading material details once the reading material is already being tracked by the user.
- Clicking on the button removes the reading material from the user’s list of tracked reading materials in the database.
- The button is no longer greyed out and the text shows “Track this [insert reading material type]”.
- If an error occurs and the reading material cannot stop being tracked, an alert message will be displayed with text “Sorry, something went wrong. Please try again later”.

## 8. Register admin account

As an entrusted visitor user, I want to create an admin account so that I can have administrative privileges without affecting the regular user registration flow.

Acceptance criteria:

- When an entrusted visitor user clicks on the “Register” button located on the Landing page, they are redirected to the register user account page, which also supports admin account creation through additional input validation.
- Admin is a subtype of a Registered User that has additional privileges.
- Inputs for Register User Account:
  - First Name – textfield
  - Last Name – textfield
  - Email – textfield
  - Date of Birth – textfield with a calendar trailing icon, clicking anywhere on the textfield opens a dialog for selecting a date
  - Gender – dropdown with options: Male, Female, Other
    - If “Other” is selected, display an optional textfield: “Specify gender (optional)”
  - Password – textfield
  - Repeat Password – textfield
  - Admin Access Code – textfield (conditionally displayed, see below).
- Admin-Specific Functionality:
  - The “Admin Access Code” textfield is hidden by default.
  - The “Admin Access Code” field becomes visible only when the page is accessed with a specific query parameter in the URL (e.g., /register?admin=true).
  - If the user provides the correct admin access code, the account will be created with admin privileges.
  - If the access code is incorrect or missing, an error message is displayed: “Invalid admin access code.”
- Input Validation:
  - All inputs except “Specify gender (optional)” are required. Validation message: “This field is required.”

- DOB must be in the past. All dates in the past are greyed out in the date picker dialog.
- Email must be a valid email address eg. [user@example.com](mailto:user@example.com). Validation message: "Invalid email address. Please check your spelling."
- Password and Repeat password must be the same. Validation message: "Repeat password not the same as password field."
- Button with the name "Register My Account" is below all the inputs and clicking on it submits the entered data which creates a record in the database.
- In case the record cannot be created in the database, an alert message will be displayed with text "Oops. Something went wrong."
- Admin user is redirected to All reading materials overview page upon successful registration.

## 9. Primary navigational toolbar

As a registered user or admin, I want to be able to navigate between different MyLibrary pages so that I can access different features MyLibrary has to offer.

Acceptance criteria:

- Primary navigational toolbar will be in header of the following pages: All reading materials overview, User profile, Friends and View reading material details
- On the left side of the navigational toolbar there will be:
  - MyLibrary logo – icon
  - "Library" – button that upon clicking navigates to All reading materials overview
  - "Dashboard" – button, click action is out of scope of this story
  - "Profile" – button, click action is out of scope of this story
- On the right side of the navigational toolbar there will be:
  - "Friends" - button, click action is out of scope of this story
  - "Logout" – button, click action is out of scope of this story
- Admin profiles do not have "Dashboard" and "Friends"

## 10. View user profile

As a registered user, I want to see my profile so that I can see all information about me as a user on MyLibrary platform which fosters loyalty.

Acceptance criteria:

- Upon clicking on the primary navigation toolbar button "Profile", the user is redirected to the View user profile page.
- Users are able to add and remove a profile picture from their device by clicking on the profile picture or its placeholder if a user does not have a profile picture.
- In the top right corner there is an "Edit Profile" button.
- Below the profile picture, there are textfields of read-only data captured in the database about the user:
  - First Name
  - Last Name

- Email
- Date of Birth
- Gender
- Account type – only show this for admin users
- In case the view user profile page cannot be accessed, an alert message will be displayed with text “Oops. Something went wrong.”.

## 11. Edit user profile

As a registered user, I want to be able to edit my user profile, in order to keep my personal information up to date.

Acceptance criteria:

- Upon clicking on the “Edit Profile” button on View user profile page, a modal is opened up where the user can edit the following personal information:
  - First Name
  - Last Name
  - Email
  - Date of Birth
  - Gender
- All inputs are already populated with existing data in the database.
- First Name, Last Name, Email, and Gender are textfields.
- Date of Birth is a textfield with a trailing calendar icon.
  - Upon clicking anywhere on the textfield, users see a dialog where they can pick a date.
- In bottom right corner of the modal, there are two buttons:
  - “Save” – updates the users data and closes the modal
  - “Cancel” – closes the modal with no modification to user’s data
- Input Validation:
  - No inputs are required.
  - DOB must be in the past. All dates in the past are greyed out in the date picker dialog.
  - Email must be a valid email address eg. [user@example.com](mailto:user@example.com). Validation message: “Invalid email address. Please check your spelling.”
- In case the user profile page cannot be edited, an alert message will be displayed with text “Oops. Something went wrong.”.

## 12. User dashboard

As a registered user, I want to see a personalized dashboard, so that I can have a unique and personalized user experience.

Acceptance criteria:

- Upon clicking on the primary navigation toolbar button “Dashboard”, the user is redirected to the User dashboard page.

- The database should store which users read what reading materials and at what time.
- The users can see the recently read and accessed books in a carousel on the User dashboard page with the title “Continue reading”
- The dashboard should show the most read genre, the most read author, the most read reading material type/category.

### 13. Login

As a registered user, I want to be able to login so that I can have smooth access to the application whenever I need to use it.

Acceptance criteria:

- Once the user clicks on “Login” button on the Landing page, they are taken to the Login page that is primarily composed of a form with the following inputs:
  - Email
  - Password
  - “Submit” button
- If the credentials from the Login page are confirmed with the data about a particular user in the database, the user is redirected to the User dashboard page.
- If the credentials entered do not exist in the database, the validation message is “Wrong email or password.”
- In case the database is down upon trying to submit data, an alert message will be displayed with text “Oops. Something went wrong.”.

### 14. Logout

As a registered user, I want to be able to logout so that I can smoothly stop using the application.

Acceptance Criteria:

- Upon clicking on the primary navigation toolbar button “Logout”, the user is redirected to the Log in page.
- At this point this user is no longer an active user in the database and cannot access the MyLibrary platform without re-entering their user credentials.
- In case the database is down upon trying to logout, an alert message will be displayed with text “Oops. Something went wrong.”.

### 15. Contact Information Footer

As a visitor user, user or admin user I want to be able to see a neat footer with various contact information in order to get in touch with MyLibrary staff if needed.

Acceptance Criteria:

- Footer Section includes the following:
  - Email: mylibrary@gmail.com
  - Phone Number: +387 60 323 737 8

- Social Media links:
  - X
  - Instagram
  - LinkedIn

## 16. Add reading material

As an admin user, I want to be able to add reading material in order to increase the pool of available reading materials for non-admin registered users.

Acceptance criteria:

- All admin accounts have a “Add reading material” button displayed next to the search on the All reading materials overview page.
- Once this button is clicked, the admin user is redirected to the Add reading material page.
- Inputs one below another for each reading material, next to the picture file input in two columns:
- Column 1:
  - Reading material pdf file input - required
  - Title - required
  - Subtitle
  - Author(s) separated with a comma - required
  - Genre/category
- Column 2:
  - Type – predefined values: Research paper, Book, Textbook, Magazine, Comic book, Article, Recipe, or Poetry
  - Language
  - Audience – predefined values: General audience, Teen, and Adult - required
  - Keywords separated with a comma
  - Summary - required
- Under everything:
  - “Add more reading materials” button
  - The “Submit” button is below all the inputs
  - Under it a “Cancel” button.
- When the submit button is clicked, the admin user can see a toast message in the top right corner with the message “Reading material successfully added!” and the user is redirected to the All reading materials overview page that now contains the added reading material.
- In case the reading material could not be added, the toast message will be displayed with text “Couldn’t add reading material. Please try again later or with a different format”.

## 17. Add reading materials

As an admin user, I want to be able to add multiple reading materials at once, so that I can have a frustration-free experience for new reading materials entry into the platform.

Acceptance criteria:

- Upon clicking the button “Add more reading materials” on the Add reading material page, the same number and kind of inputs and “Add more reading materials” button from the previous reading material appear.
- It can also be accessed from admin’s user dashboard.
- The newly added inputs and button are located below the previous input group but above the “Submit” button.
- Each input group dedicated to one reading material is separated by a divider.
- The maximum number of reading materials that are able to be added at once is 10, thus the “Add more reading materials” button does not appear on the 10th added reading material.
- When the submit button is clicked, the admin user can see a toast message in the top right corner with the message “Reading materials successfully added!” and the user is redirected to the All reading materials overview page that now contains the added reading material.
- In case the reading materials could not be added, the toast message will be displayed with text “Couldn’t add reading materials. Please try again later or with a different format”.

## 18. Edit reading material details

As an admin user, I want to edit reading material details for any reading material, so the information non-admin users see is up to date.

Acceptance criteria:

- All admin accounts have an “Edit reading material” button displayed next to the Read this material and Track this material buttons on the View reading material details page.
- Once this button is clicked, the admin user is redirected to the Edit reading material details page.
- Inputs one below another for each reading material, next to the picture file input in two columns:
- Column 1:
  - Reading material pdf file input - required
  - Title - required
  - Subtitle
  - Author(s) separated with a comma - required
  - Genre/category
- Column 2:
  - Type – predefined values: Research paper, Book, Textbook, Magazine, Comic book, Article, Recipe, or Poetry
  - Language
  - Audience – predefined values: General audience, Teen, and Adult - required
  - Keywords separated with a comma



- Summary - required
- Under everything:
  - "Edit" button
  - "Cancel" button
- The "Edit" button is below all the inputs and submits the changes which should be reflected in the database.
- When the edit button is clicked, the admin user can see a toast message in the top right corner with the message "Reading material successfully edited!" and the user is redirected to the Material Details page of that reading material.
- In case the reading material could not be edited, the toast message will be displayed with text "Couldn't add edit the reading material. Please try again later."

## 19. View reading material reviews

As a registered user, I want to see the reviews of a reading material so that the reading material's popularity can give me a sense of community and hint at quality reading materials.

Acceptance criteria:

- On the View reading material details page, below the summary, there are reviews displayed one below the other.
- Each review has a profile picture icon of the person who wrote the review, their first and last name below the icon, and the review text.
- In case the person has no profile picture, their initials from first and last name will be used to generate an icon.
- Reviews are separated by a divider.

## 20. Reviews that cannot be loaded from the database are omitted from the View reading material details page. View reading material ratings

As a registered user, I want to see the ratings of a reading material so that the material's rating can quickly indicate the quality and popularity of the reading materials.

Acceptance criteria:

- On the View reading material details page, below the summary, there is a rating of the material
- Each rating is signified visually by a number of stars colored in and an exact average number rating to the first decimal.
- In case the material has not been rated yet, no stars are colored in and the number is changed into "No ratings yet".
- Reviews that cannot be loaded from the database are omitted from the rating calculated and displayed.
- Ratings will also be displayed under the profile picture in decimal form next to each material review.
- The user's ratings and reviews are displayed first, then their friends' ratings and reviews, and then most to least relevant strangers'.

## 21. Add reading material review

As a registered user, I want to be able to add a review to the reading material so that I can express my experience with the material and be a part of the community.

Acceptance criteria:

- On the View reading material details page, right above other people's ratings, there is a textbox to write a review of the material.
- The textbox automatically has lightly colored "Write your review..." which is replaced with a blinking indicator once it is clicked.
- There is a "Post" button below the textbox which cannot be clicked if the textbox is empty.
- Once the "Post" button is clicked, the user's review will appear at the top of the reviews of the reading material
- In case the review was not posted when the "Post" button was clicked, the toast message will be displayed with the text "Posting the review failed. Please try again."
- A rating must be posted with the reading material review.

## 22. Add reading material rating

As a registered user, I want to be able to add a rating to the reading material so that I can express my experience with the material in a more concise form than writing a textual review and to quickly express how I feel about the material.

Acceptance criteria:

- On the View reading material details page, right above the add review textbox, there are five empty stars where the user clicks the appropriate star to signal how many out of 5 it gives to the material.
- The stars are grey and the chosen number of stars turns yellow when it is clicked.
- The same "Post" button is used to express a rating as well as a review.
- Users can only choose a number of stars without a rating and the rating will be posted.
- If no rating is chosen but there is a review, toast message "You have to rate the material" will be displayed.

## 23. Basic reading material search

As a registered user, I want to search for reading materials using keywords so that I can quickly find materials I need without having to know the full name of reading materials.

Acceptance Criteria:

- A search text field is accessible on the "All Reading Materials Overview" page.

- The search text field has lightly colored "Search" on it which is replaced by a blinking indicator when clicked
- There is a looking glass icon on the right corner which can replace an enter input
- Once the enter button or the looking glass are clicked, the search gives most to least relevant results
- If no matching results are found, display the message: "No reading materials match your search."

#### 24. Filter reading materials

As a registered user, I want to filter reading materials by categories such as genre, author, and type, so that I can only see the type of materials I am currently interested in.

Acceptance Criteria:

- There are filters by genre, author and type on top of the "All Reading Materials Overview" page once a "Filters" button is clicked.
- Multiple filters of same or different type can be applied simultaneously.
- Chosen filters are displayed next to the "Filters" button in form of bubbles with filter name.
- Filtered results offer a union of results of filters with the same type and intersection of results of filters of different types (ex. union of two authors but intersection of author and genre)
- A "Clear Filters" button resets all filters.

#### 25. Delete a reading material

As an admin user, I want to delete a reading material so that I can remove outdated or inappropriate reading materials.

Acceptance Criteria:

- All admin accounts have a "Delete reading material" button displayed next to the Read this material, Edit this material and Track this material buttons on the View reading material details page.
- Once this button is clicked, a pop-up message is displayed "Are you sure you want to delete this material? Deleted reading materials cannot be recovered once they are deleted." with options YES and NO.
- If the admin clicks no, the pop-up message disappears and the reading material stays.
- If the admin clicks yes, the admin is redirected to the All reading materials overview page and the material is deleted and no longer there.

#### 26. Add a friend

As a registered user, I want to add friends on the platform to be able to communicate with them and so that I can see their ratings on reading materials without a hassle.

#### Acceptance Criteria:

- Navigate to "Friends" by the navigation toolbar
- A search bar on the "Friends" page allows users to search for friends by name and surname or username.
- Search results are ordered by relevance – similarity to typed in text
- Clicking "Add Friend" sends a friend request.
- If there are no similar results, "That user doesn't exist" is displayed instead of search results.
- When add friend is clicked, if it succeeded there is a toast message saying "Friend request was sent to the user.", else it says "There has been an error, please try again."
- If the user clicks outside of the search on the screen or on the X button in the corner, they go back to the normal Friends screen and the search is cancelled

#### 27. View friends

As a registered user, I want to view my friends so that I can easily review my friend list and interact with my friends.

#### Acceptance Criteria:

- Friends are displayed on a dedicated "Friends" page with profile pictures and usernames as well as a green or grey bubble on the bottom right corner of the profile picture indicating if they are online.
- Friends are listed in order most to least frequently interacted with.
- There is a chat and remove button next to each friend.

#### 28. Friend chat

As a registered user, I want to be able to send my friends messages as well as have a place where I can see all my chats with friends.

- Chats are accessible by clicking the button "Chats" on the friends page
- You can also access individual chats on the friend page by clicking the chat icon next to the friend username.
- Messages are sent with minimal delay by clicking a send icon next to the message textbox.
- If the message has not been sent, it will be colored red.
- If the user clicks on the X button on the right upper corner, they go back to the Friends page

#### 29. AI recommendations

As a registered user, I want personalized AI recommendations for reading materials so that I can see content relevant to what I usually read and discover materials I might like based on what I have interacted with.

Acceptance Criteria:

- Top reading reviews on the “User Dashboard” are recommended based on my interactions using AI technology
- Under the reading materials is the text that says “Recommended to you because you liked *Name of the book*”

### 30. Remove a friend

As a registered user I want to be able to remove friends so I can keep only the people I want in my friends list and delete someone I may have changed my mind about so I can have my personalized reading community.

Acceptance Criteria:

- A friend is removed by clicking the delete icon next to them on the “Friends” page.
- The friend is permanently removed upon clicking this button.

### 31. Trending reading materials

As a registered user, I want to see the trending reading materials on the dashboard so I know what is new and relevant currently.

Acceptance Criteria:

- There is a “Trending” carousel on the dashboard giving 10 reading materials that are currently most interacted with on the User Dashboard.

### 32. Add admin

As an admin, I want to be able to add an admin to the page so that I can expand the community of upkeepers as the platform grows.

Acceptance Criteria:

- On the “Profile page” each admin can click “Generate Admin Access Code”.
- The unique code generated can be sent outside of the platform and used to create an admin profile for the next 30 days.

### 33. Delete profile

As a registered user or admin, I want to be able to delete my user account in case I wish to leave the platform without leaving a trace of my profile behind.

Acceptance Criteria:

- There is a “Delete profile” button at the bottom of admin and user personal profiled page.

- Once this button is clicked, a pop-up message is displayed “Are you sure you want to delete your profile? Once your profile is deleted, it cannot be recovered.” with options YES and NO.
- If the user clicks no, the pop-up message disappears and the profile stays, else they are redirected to the unregistered user dashboard and their profile is deleted.

#### 34. Contextual search

As a registered user, I want context-based search suggestions so that I can find relevant reading materials if I only have a quote or text snippet.

Acceptance Criteria:

- The search also works in a way where if you input a quote from the book and not just the title or similar, it will present to you the closest matches.

#### 35. Offline mode

As a registered user, I want to read materials offline so that I can read my materials without internet when I am on the go.

Acceptance Criteria:

- There is a download button next to reading materials on the view materials detail page
- When the user is offline only downloaded materials are displayed on the dashboard.

#### 36. Free trial

As a registered user, I want to be able to have a free trial to see if I like the application enough to pay for the services

Acceptance Criteria:

- There is a free trial option for 30 days for new users.

#### 37. AI Reading Assistant

As a registered user, I want an AI assistant to help with unknown words, understanding and summaries.

Acceptance Criteria:

- There is an AI assistant chatbox to answer questions about the text.

#### 38. Collaboration tools

As a registered user, I want to be able to collaborate with my friends and colleagues on shared reading materials.

Acceptance Criteria:

- Users can add notes that only their friends can see on parts of the reading materials.

Story Point Estimation					
1	2	3	5	8	13
Logout	Contact Information Footer	Landing page	Register user account	Read a reading material	
Delete a reading material	Login	Stop tracking a reading material	All reading materials overview	Track a reading material	
Remove a friend	View reading material ratings	Primary navigational toolbar	View reading material details	Add reading material	
Delete profile	Add admin	View reading material reviews	Register admin account	AI recommendations	
	Free trial	Add reading material review	View user profile	AI Reading Assistant	
		Add reading material rating	Edit user profile		
		Filter reading materials	User dashboard		
		View friends	Add reading materials		
		Trending reading materials	Edit reading material details		
			Basic reading material search		
			Add a friend		
			Friend chat		
			Contextual search		
			Offline mode		
			Collaboration tools		



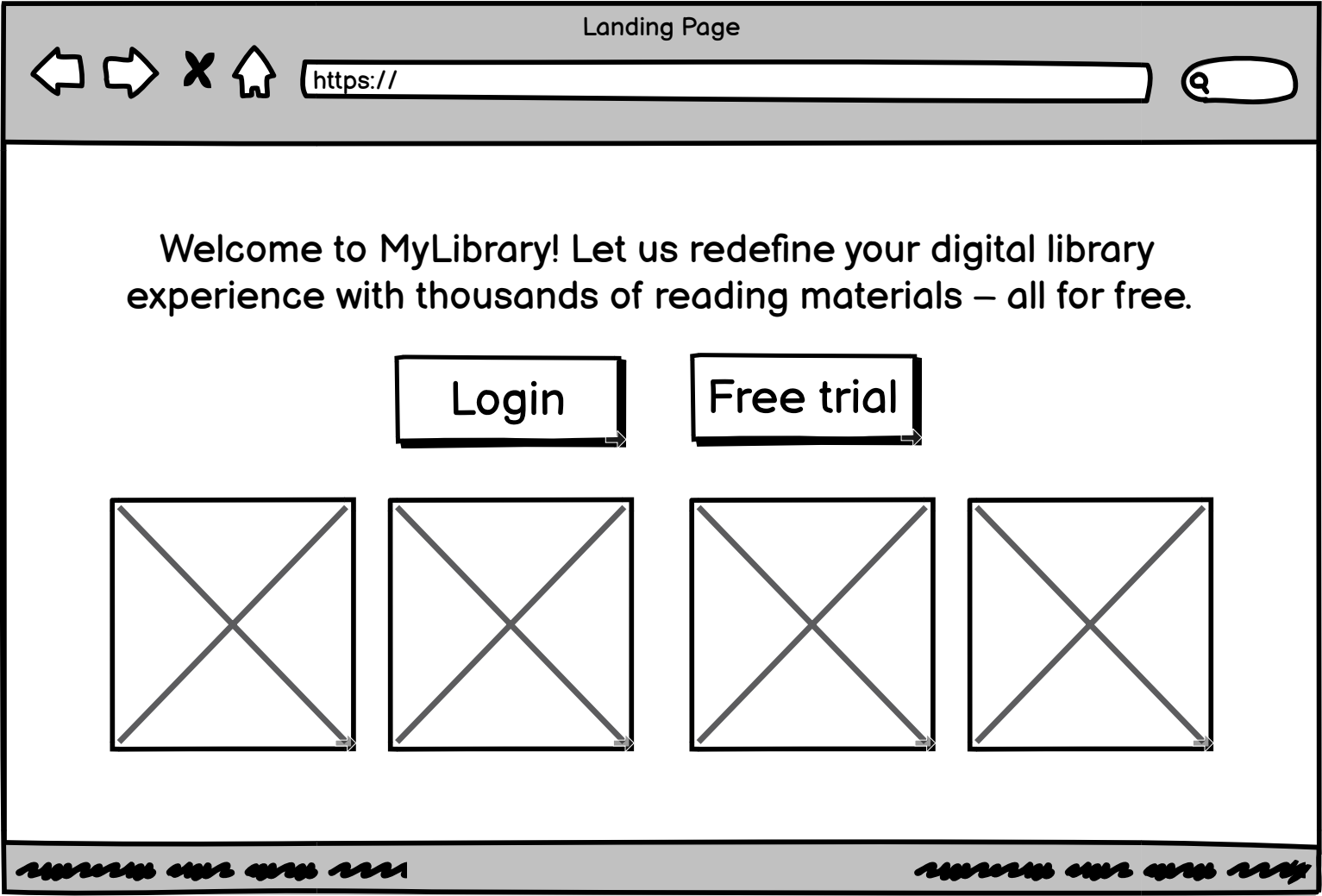
## Backlog Prioritization, User story Estimation Techniques

Backlog prioritization was made using a combination of business value and user impact metrics, while user story estimation was measured using the Fibonacci sequence story points.

The business value metric reflects the prioritized deliverables according to the long term goals of MyLibrary as a business, meanwhile the user impact metric shows how much a certain feature impacts user experience on MyLibrary as a website.

When it comes to the story points, this technique assigns relative values to user stories, reflecting their complexity, effort needed for completion, associated risks, and time needed for completion. We determined the story points together through Planning Poker, a collaborative process where we, as team members, discussed and reached a consensus on estimates.

By integrating these metrics, we were able to prioritize the backlog efficiently, emphasizing stories that deliver the most value and impact while considering development effort.



Login

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https://

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Login

E-mail/Username

Password

Login

Admin Login

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https://

🔍

Admin Login

E-mail/Username

Password

Login

Login as Admin

Register

https://

Register

First Name

Last Name

Username

Email

/

Gender

Password

Repeat Password

Register

Register as Admin

Register

https://

Register Admin

First Name

Last Name

Username

Email

/

Gender

Password

Repeat Password

Admin Code

Register

Register as User

All Materials Overview

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https://

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LibraryDashboardProfileFriendsLog out

Applied Filter

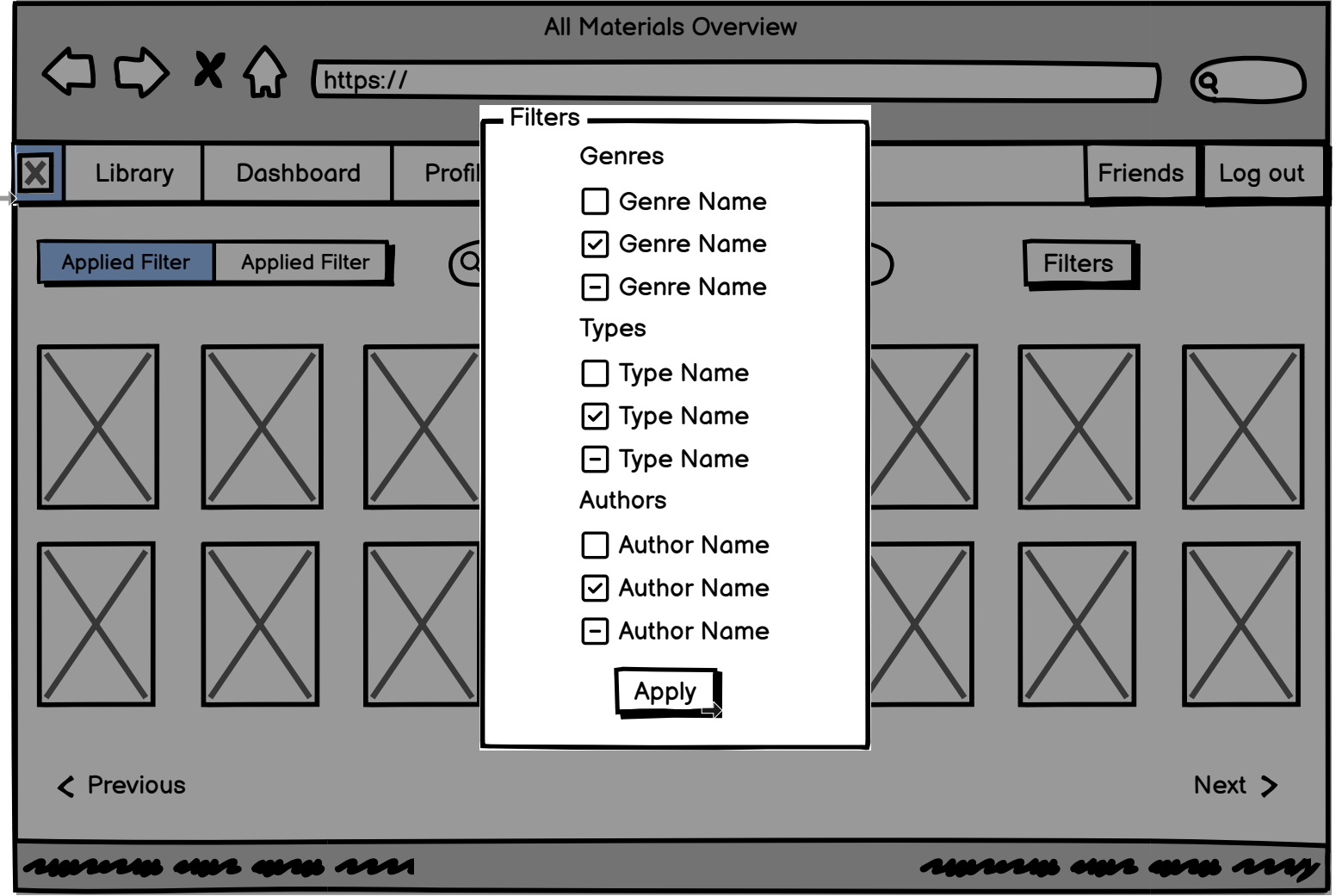
Applied Filter

Q search

Filters

< Previous

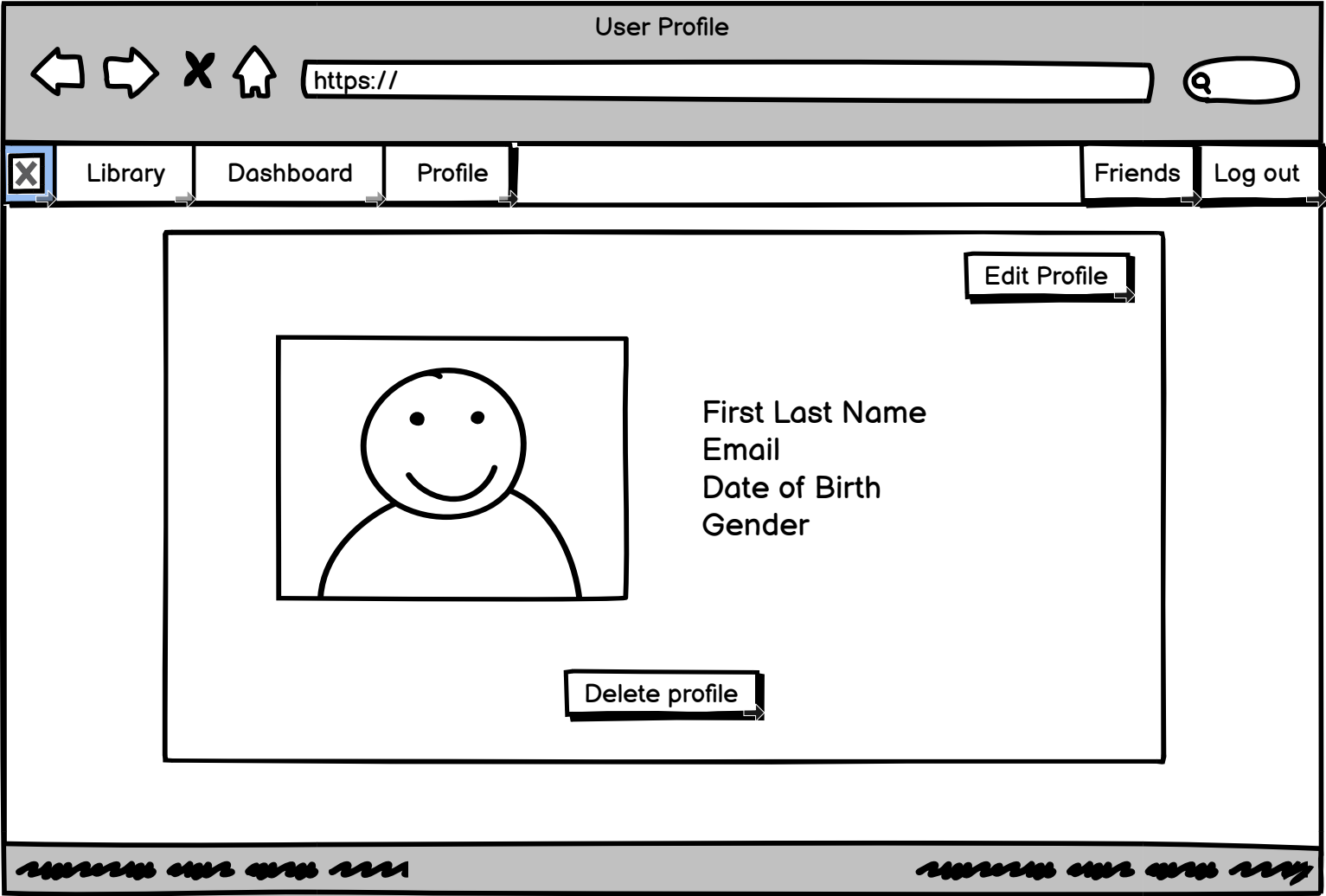
Next >











User Profile

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Library

friends

Log out

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Edit Profile

First Name

Last Name

Email

/ /

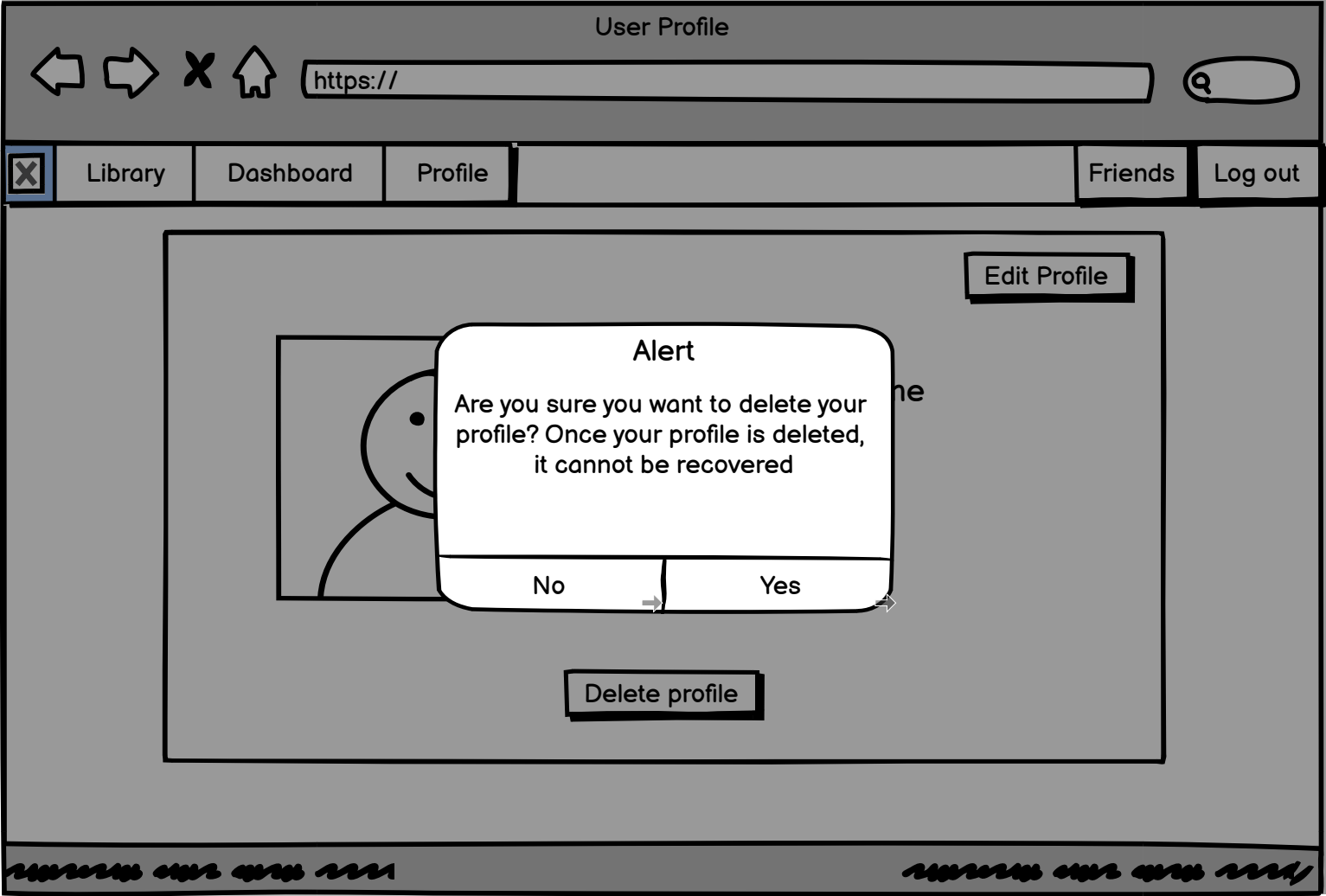


Gender

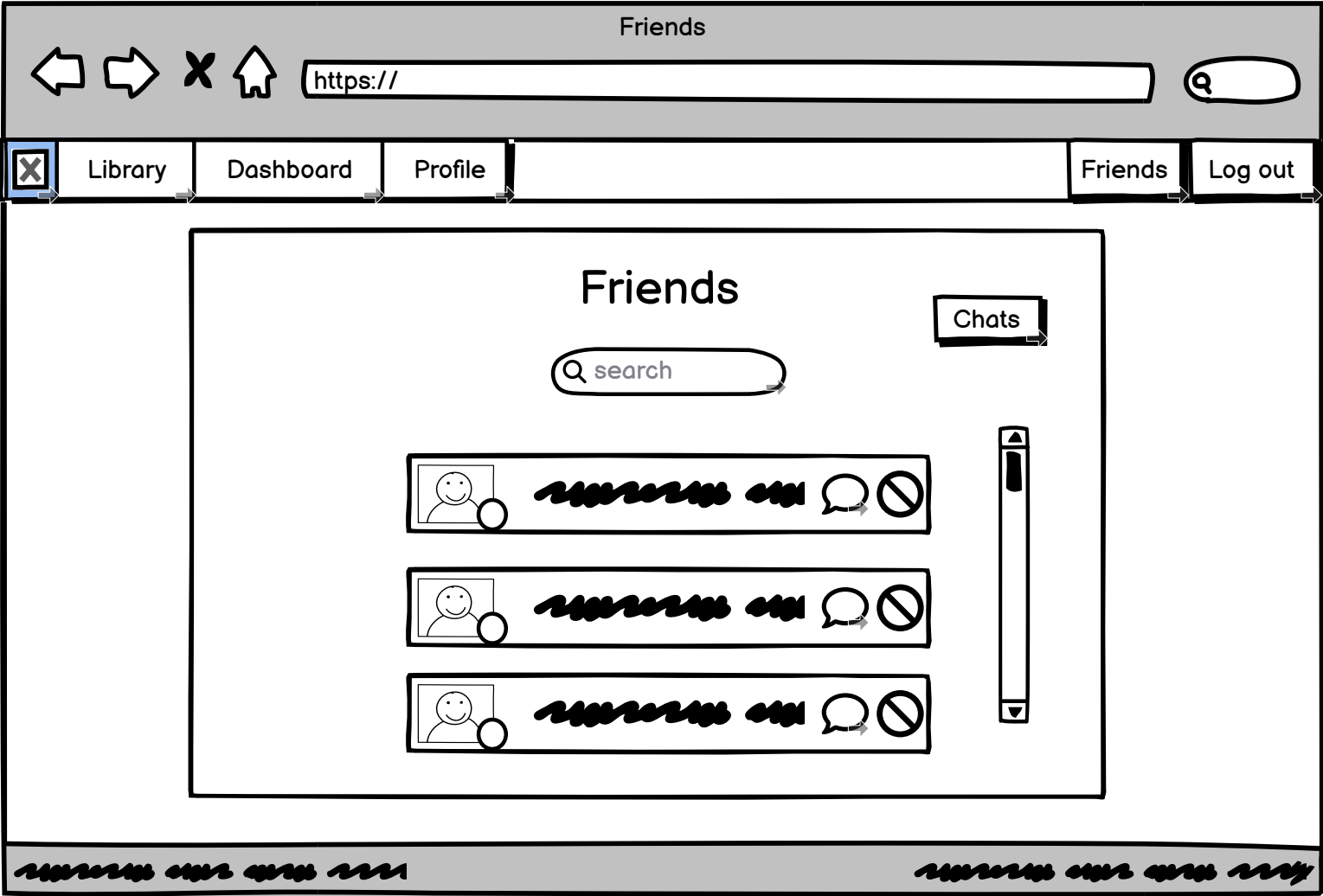
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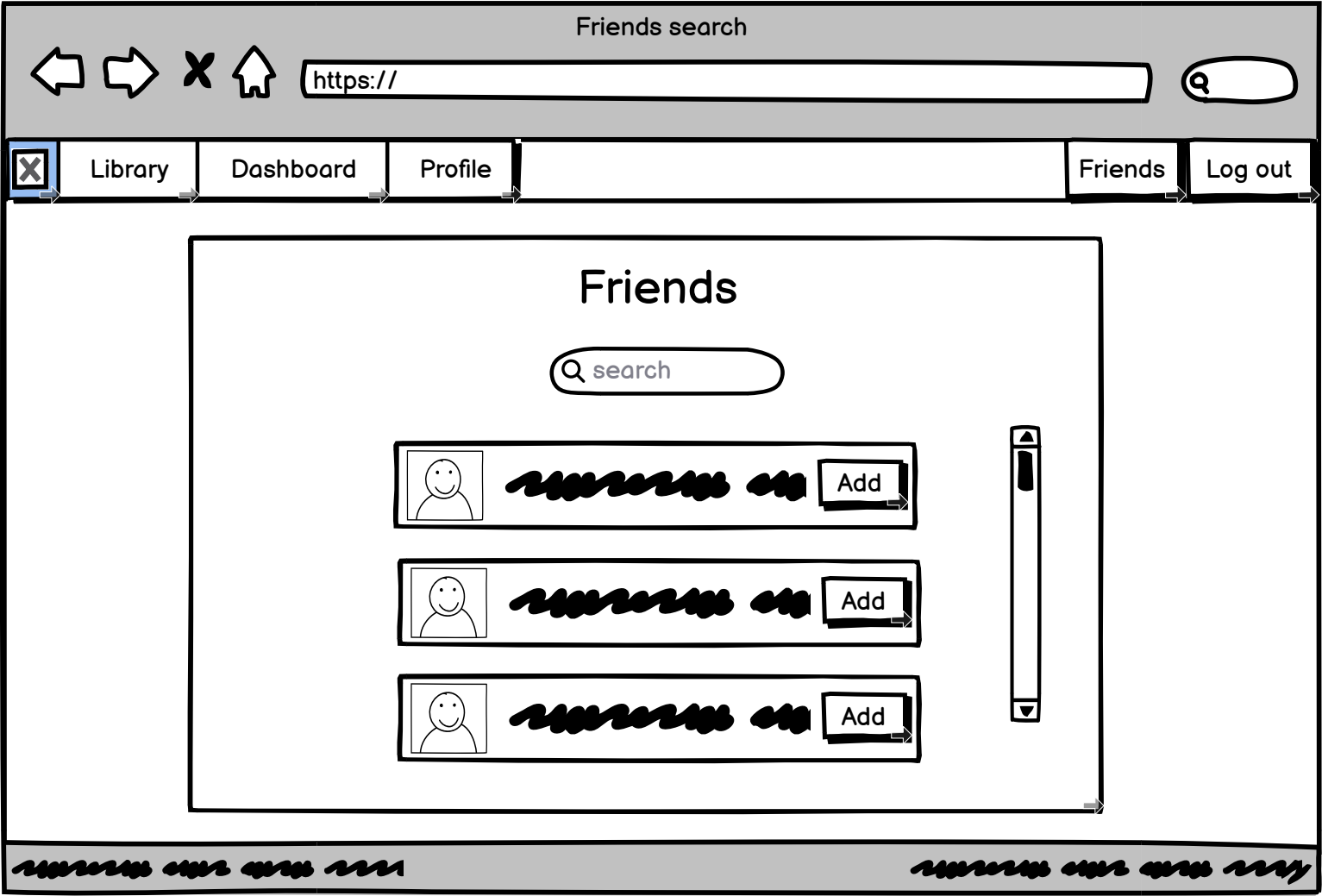
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Cancel

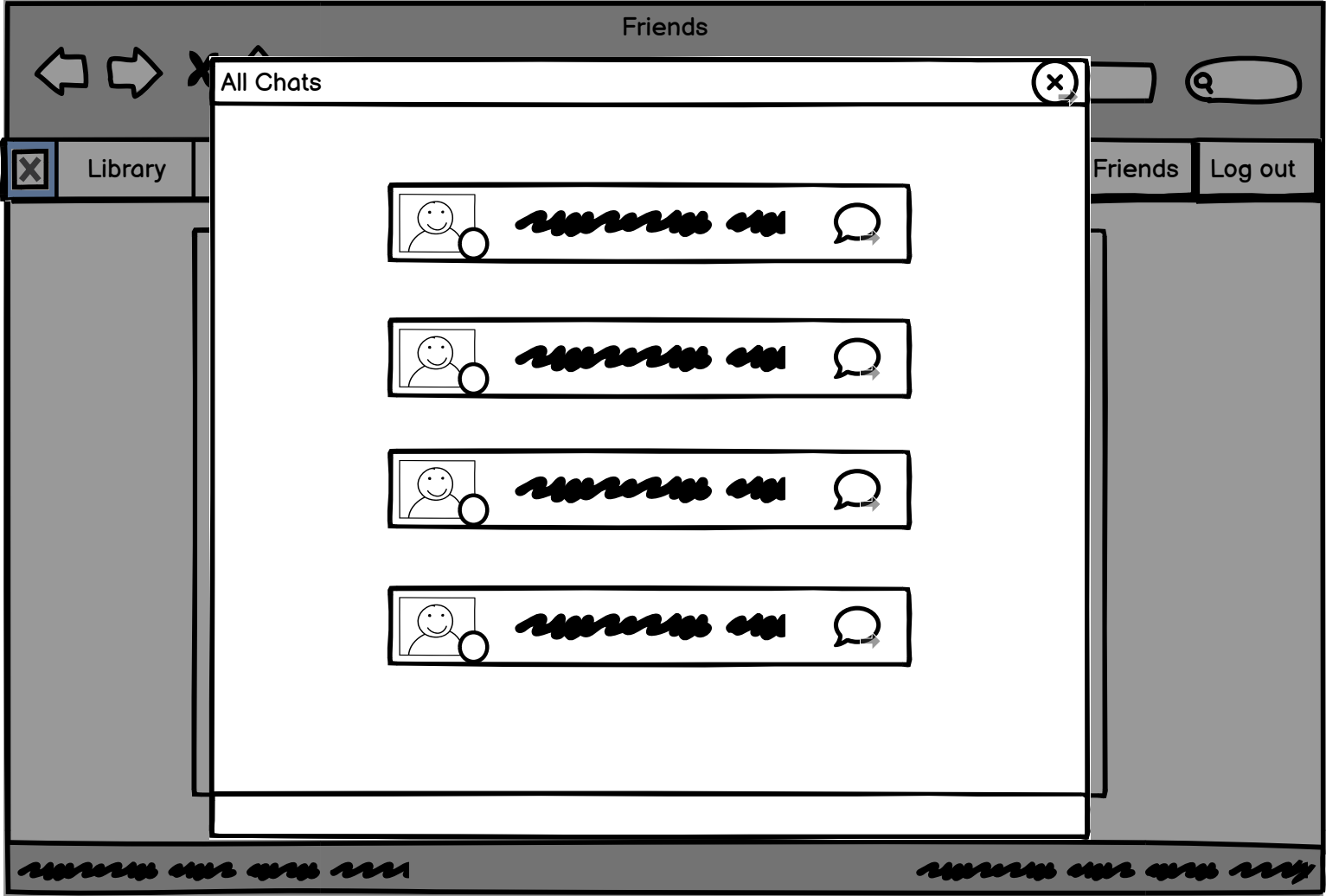


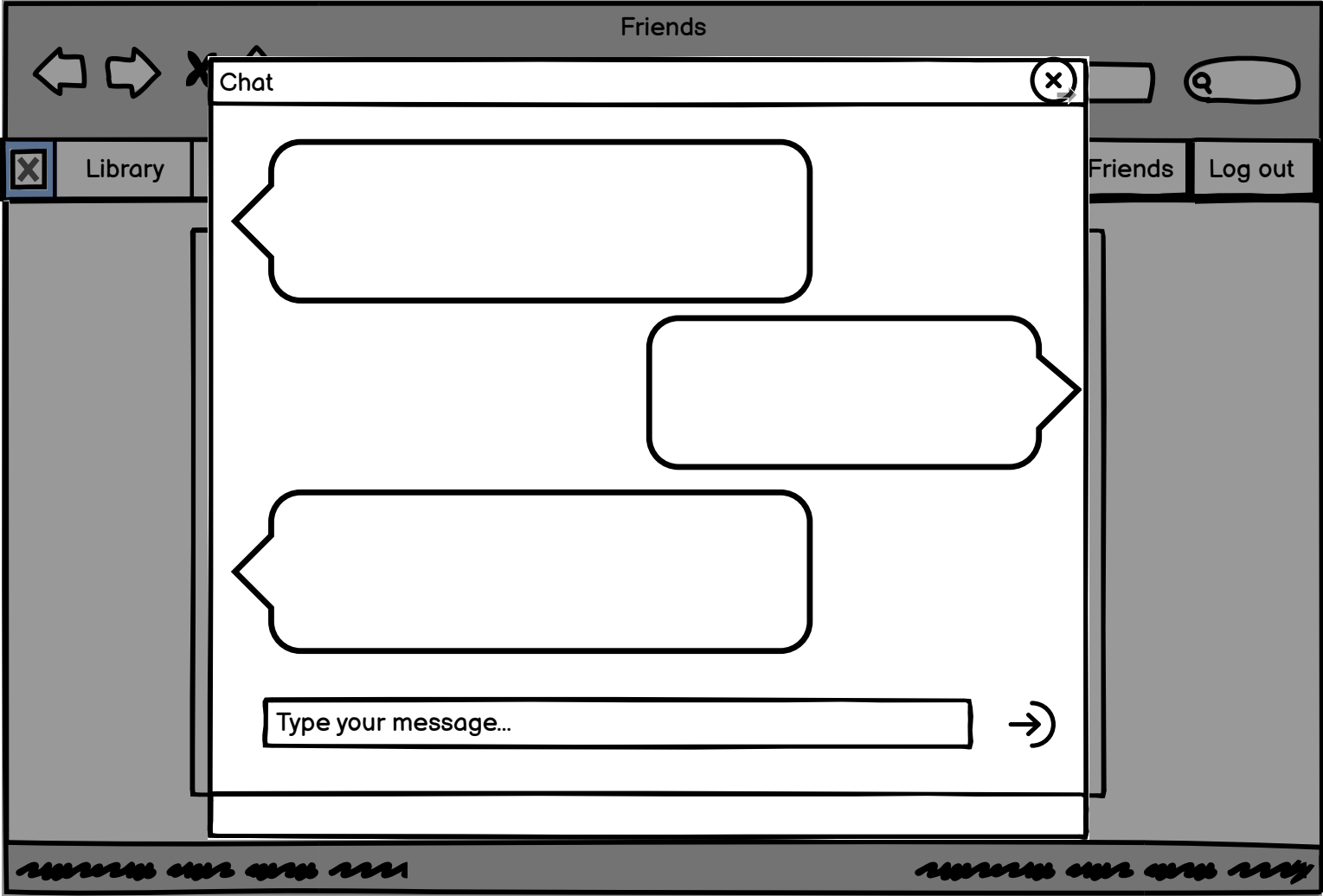


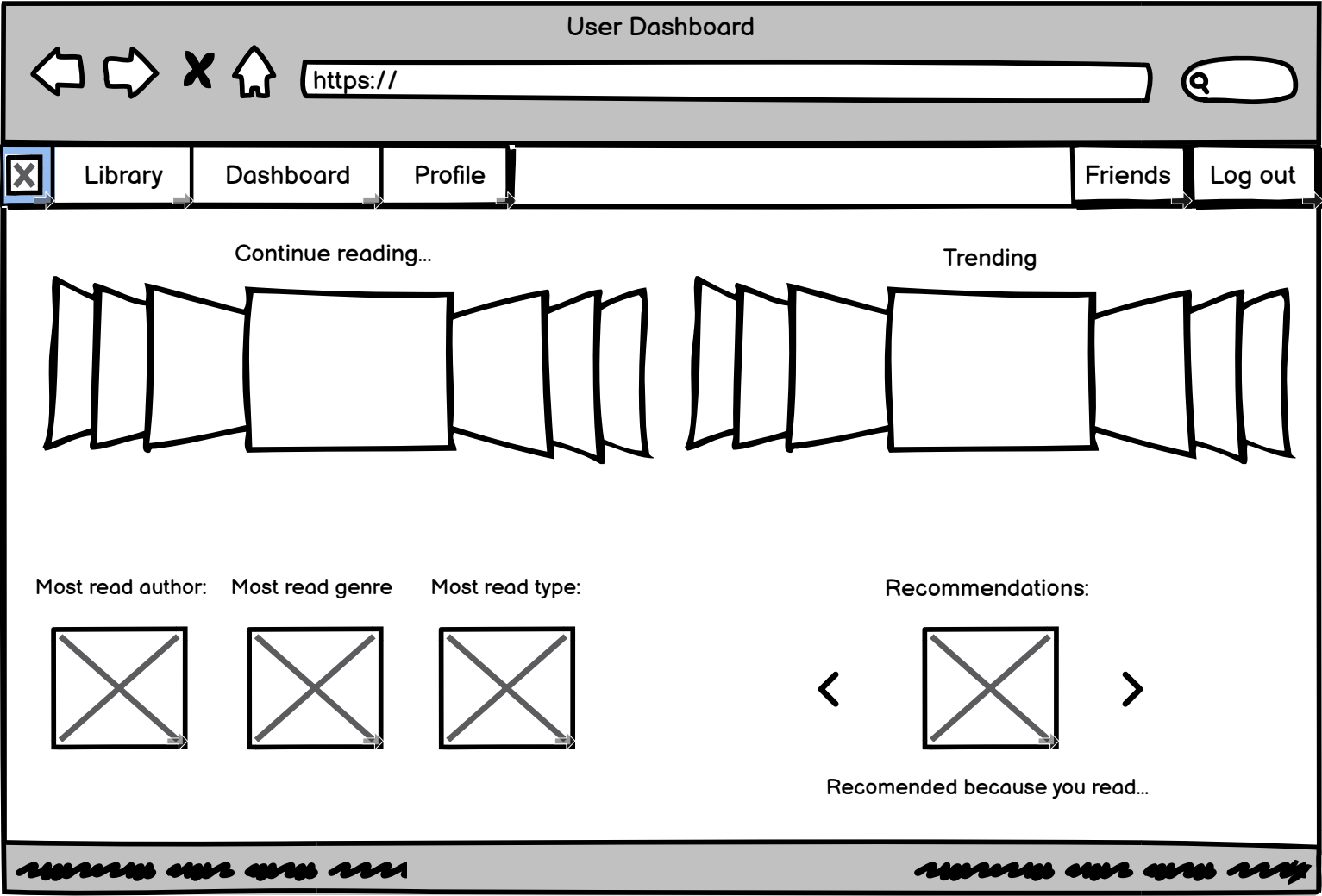












All Materials Overview

https://

X

Library

Profile

Log out

Applied Filter

Applied Filter

Q search

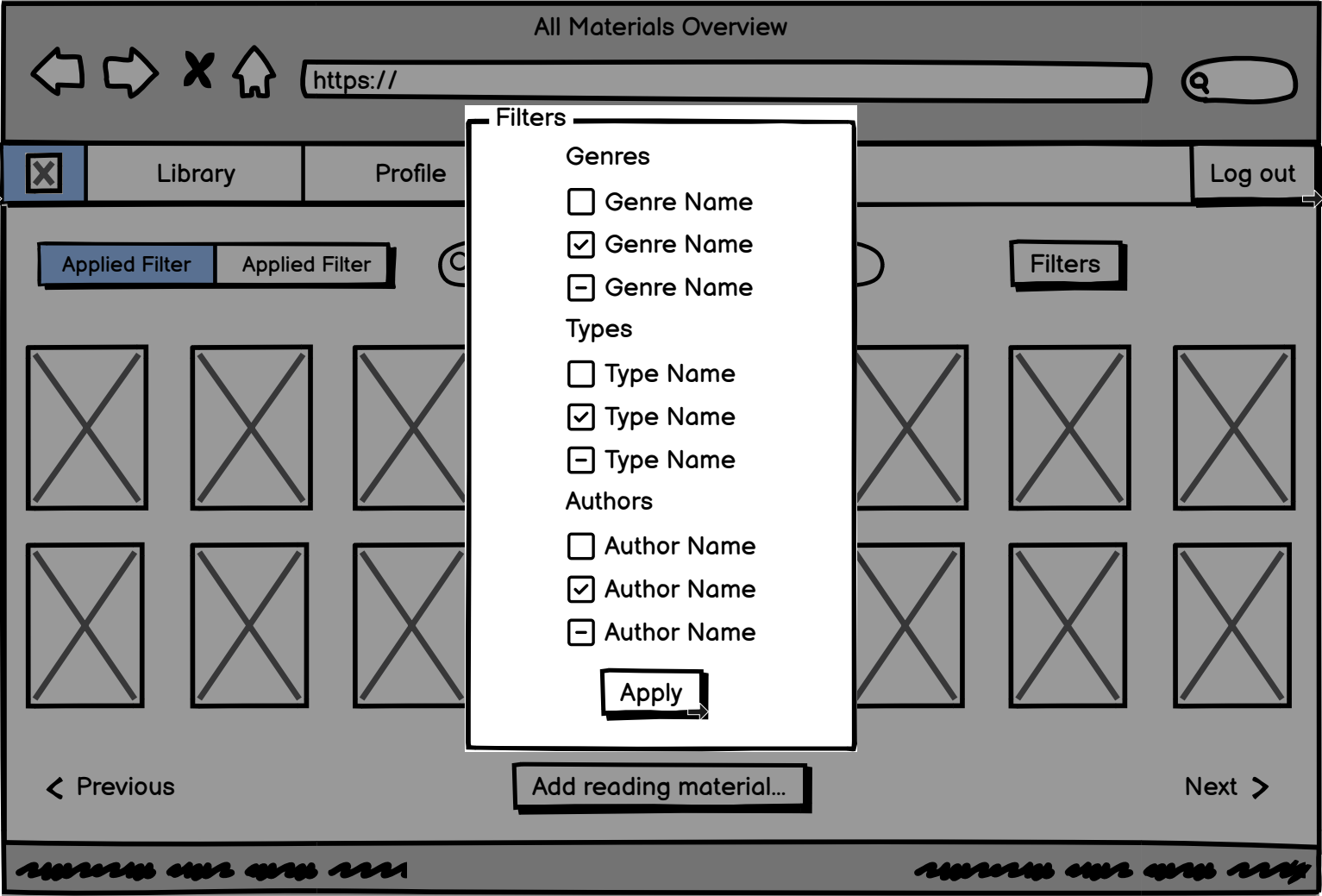
Filters

< Previous

Add reading material...

Next >

44



Material Details Page

https://

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Library

Profile

Log out

Title of the material

Subtitle of the material

Authors:  
Genre/category:  
Type:  
Language:  
Audience:  
Keywords:

Download

Edit

Delete

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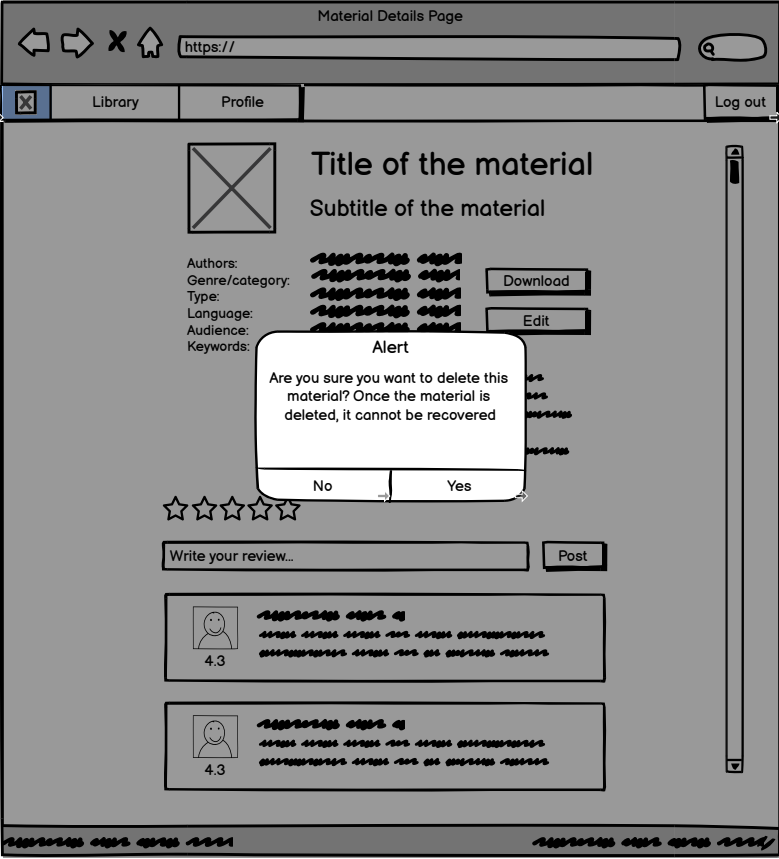
Write your review...

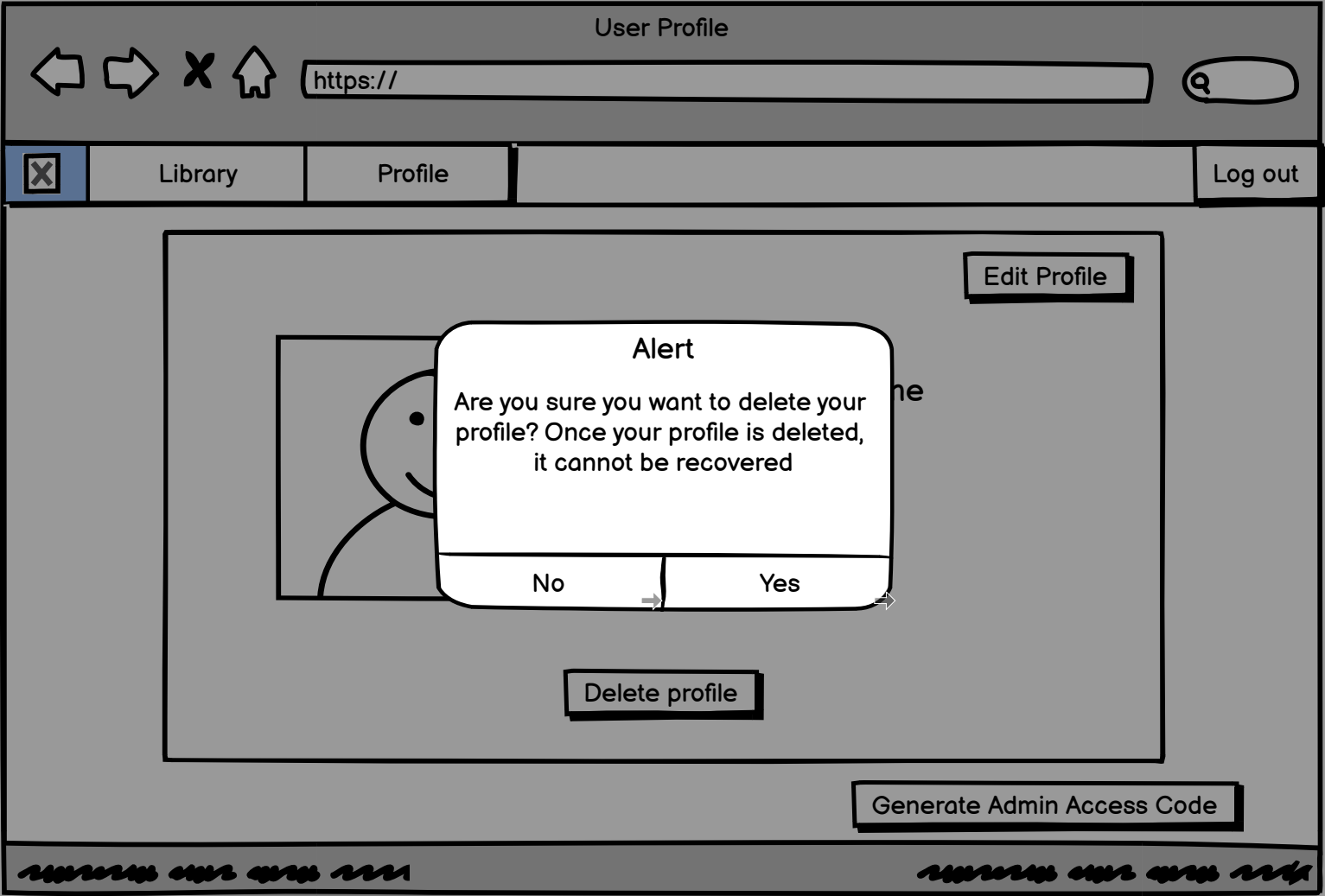
Post

4.3

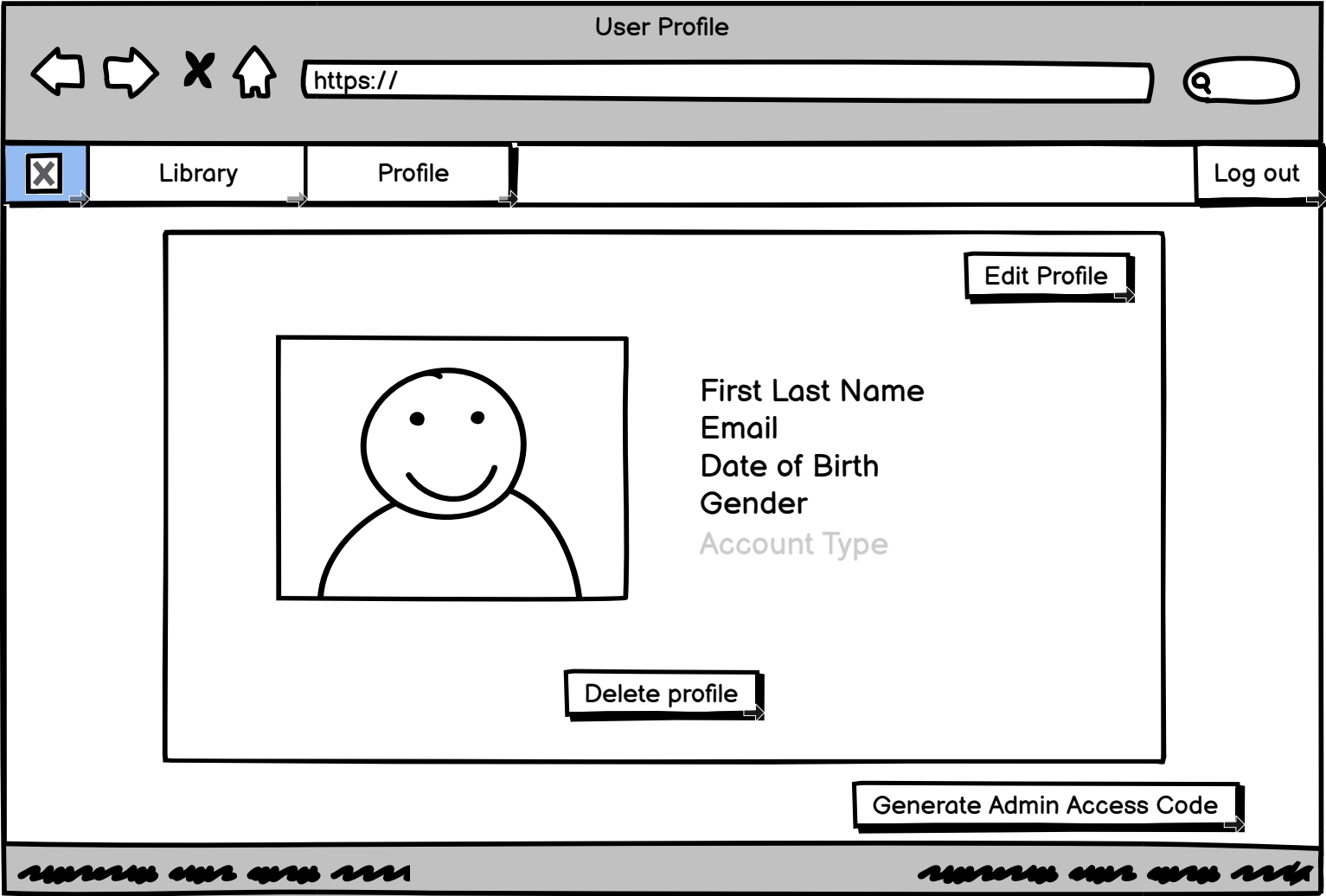
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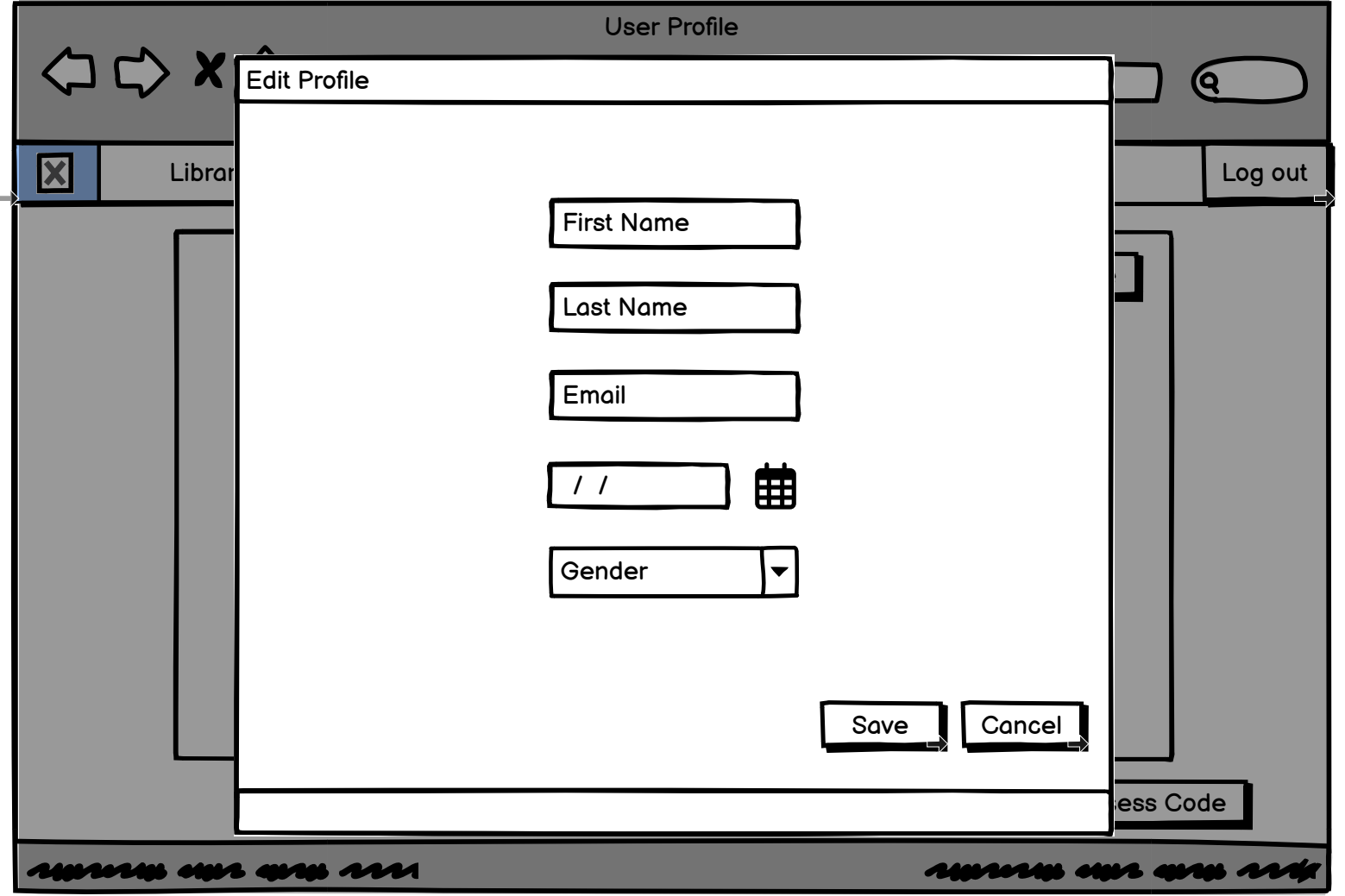
AI chatbot

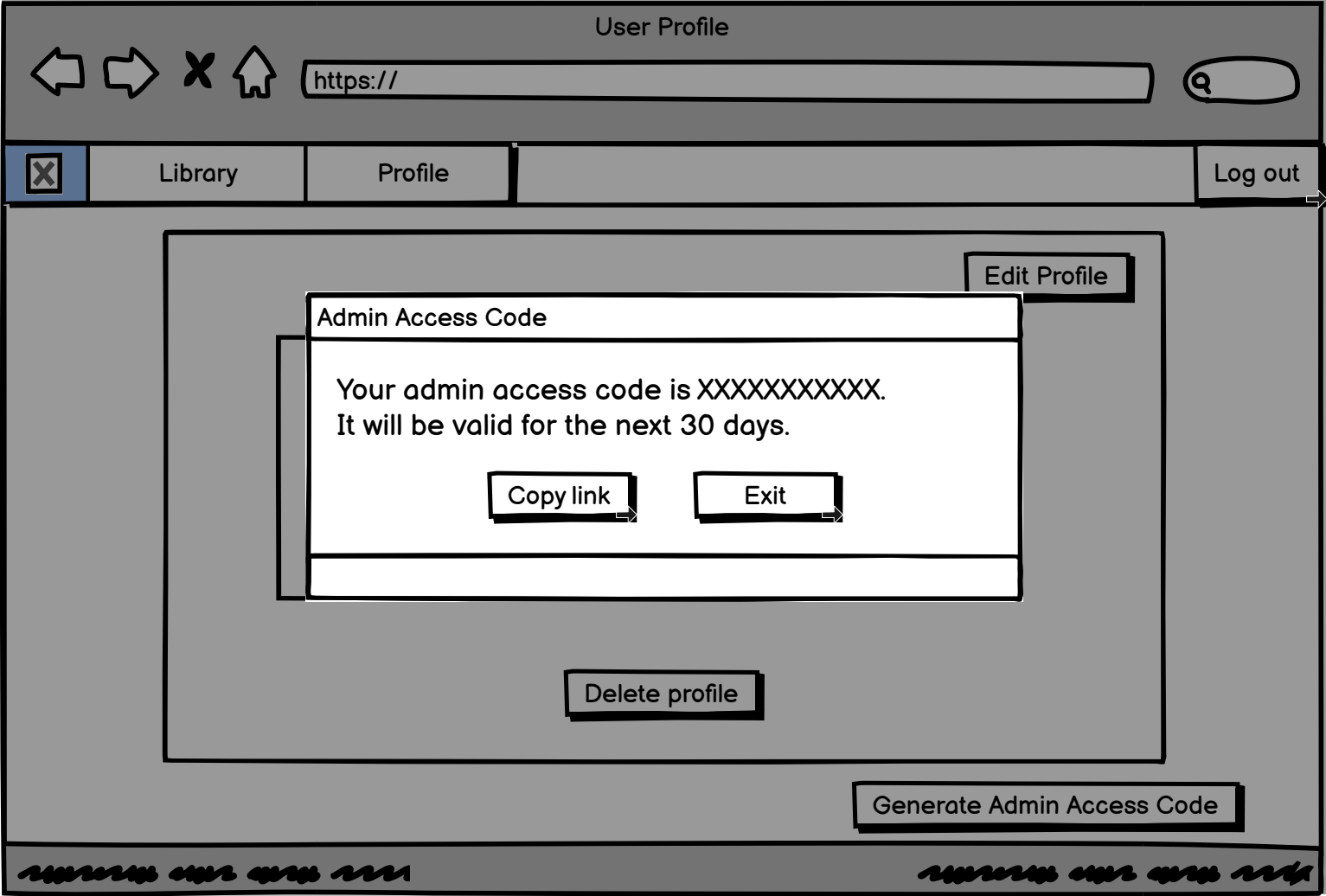












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