



Book Reading System

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Introduction:

- An online book reading system is a digital platform or website that allows users to discover, access, and read a wide range of literary works via the internet.
- In this type of system, there are opportunities for new authors to showcase their work.
- Readers can explore vast array of literary works.
- Readers have facilities to retrieve book's chapters fast and availability of books.
- There are features such as bookmarking and commenting.

Problem Statement:

- Time-consuming process of searching for books in stores.
- Delays in being notified about new releases or updates.
- Inconvenience of carrying physical books.
- Lack of effective recommendation systems tailored to individual interests.
- Finite shelf space in traditional libraries.
- Restricted selection of titles and insufficient copies of popular books.

Objectives:

- Develop an Online Book Reading System.
- Build a platform where readers can easily find books and authors can showcase their work.
- Include interactive features such as liking and commenting on authors' works.
- Allow users to bookmark pages and navigate chapters smoothly.
- Implement a feature where users can unlock restricted chapters by earning reward points through reading.

Requirement identification

Study of existing system



- Wattpad

Find thousands of titles released by writers who are starting now



- Kindle

Bookstore where you can buy millions of titles in different languages, including comics and audiobooks

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Requirement Collection



Ways in which we
found our requirement

I. Brainstorming



II. Observation

User's expectations for a new system

- Functional Requirements

- Large Library
- Upload Content
- Feedback

- NonFunctional requirement

- Security
- Flexibility

FUNCTIONAL REQUIREMENTS

WHAT THE SYSTEM SHOULD DO



PRODUCT FEATURES



USER REQUIREMENTS

NON-FUNCTIONAL REQUIREMENTS

HOW THE SYSTEM SHOULD DO IT



PRODUCT PROPERTIES



USER EXPECTATIONS

Feasibility Study



- **Economic Feasibility**

Developed using the existing resources and technologies which are available for free

- **Technical Feasibility**

Use HTML, CSS, PHP, MySQL, JavaScript

- **Operational Feasibility**

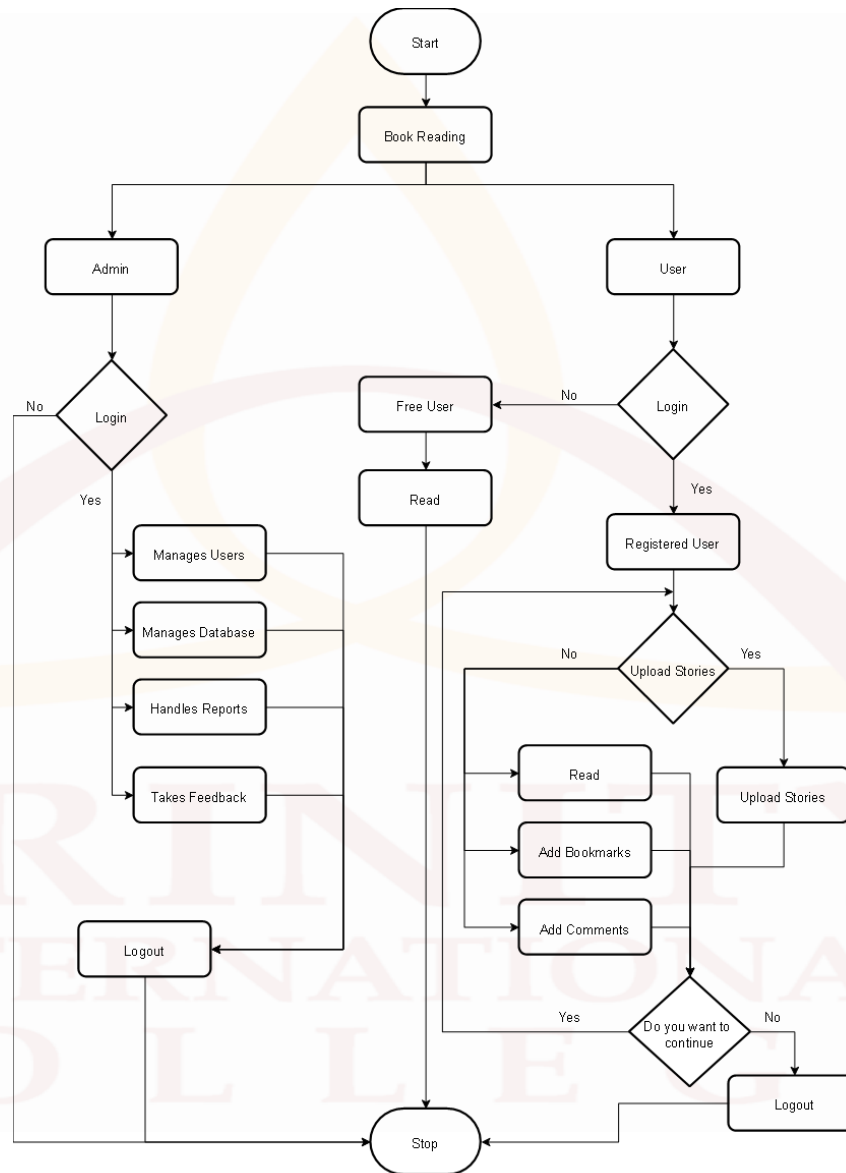
Very easy for the user to operate it

High Level Design of System

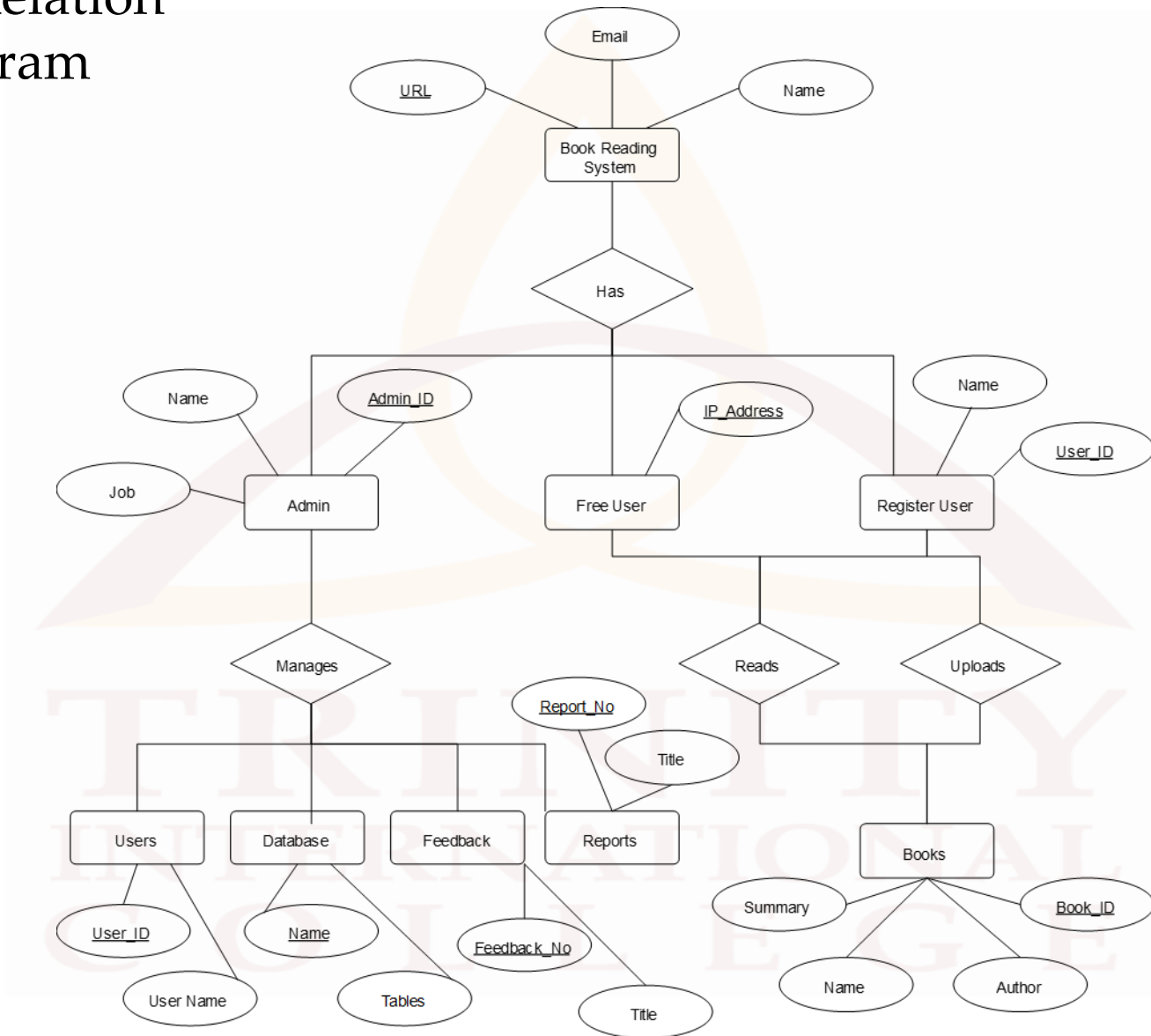
The logo of Trinity International College is centered in the background. It features a large, stylized, light yellow 'A' shape composed of three interlocking loops. Below this symbol, the words 'TRINITY', 'INTERNATIONAL', and 'COLLEGE' are stacked in a light pink, serif, all-caps font.

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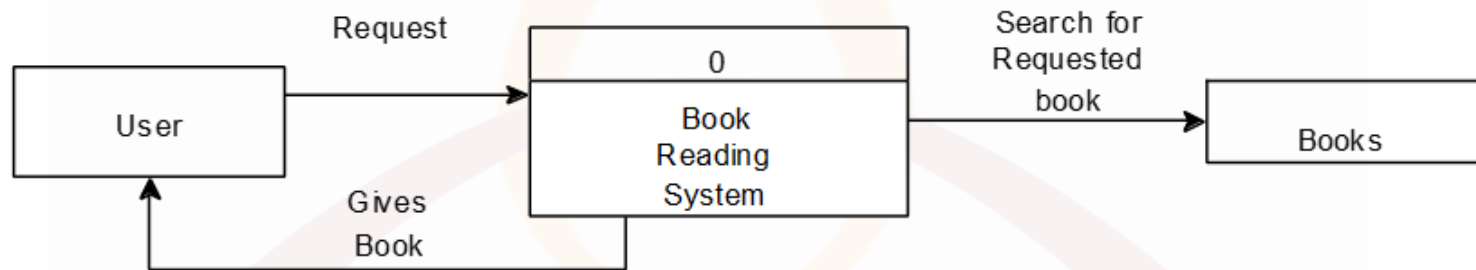
Flow chart



Entity Relation Diagram



Data Flow Diagram

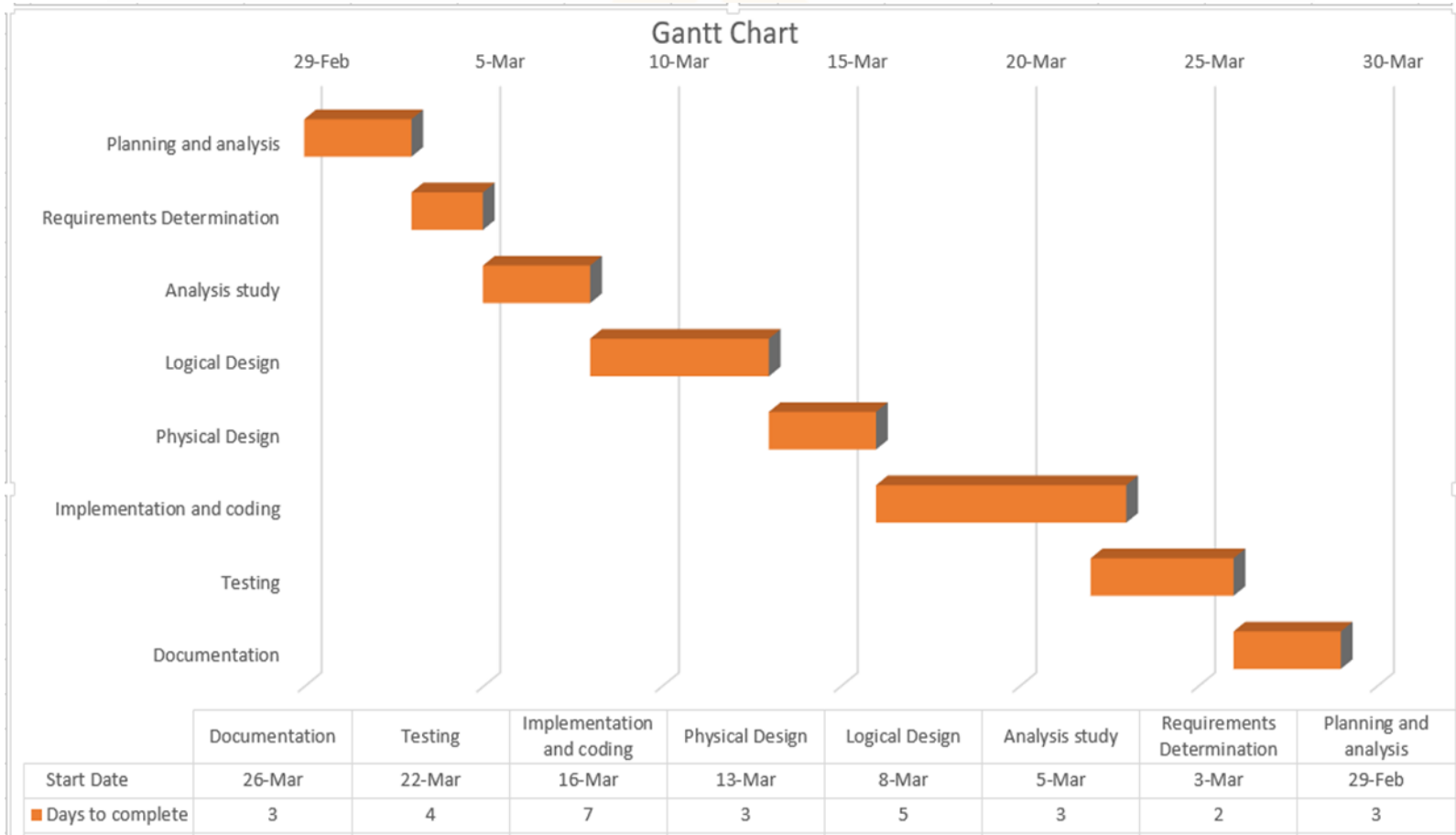


DFD Level 0 of Book Reading System

Gantt Chart

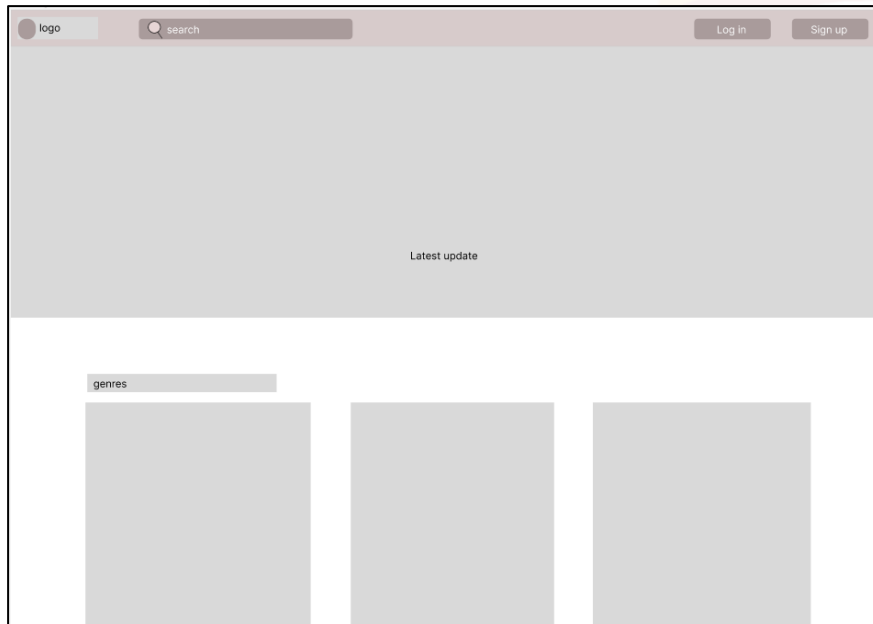
- The full form of Gantt Chart is Generalized Activity Normalization Time Table.
- A Gantt chart is a type of bar chart that visually represents a project schedule.
- Task List: List of all project tasks or activities.
- Timeline: Horizontal representation of project duration.
- Bars or Blocks: Represent tasks along the timeline; length indicates duration.
- Milestones: Significant project points or events marked on the chart.
- Dependencies is relationship that indicate the order in which tasks need to be completed or how they are related to one another.

Gantt Chart

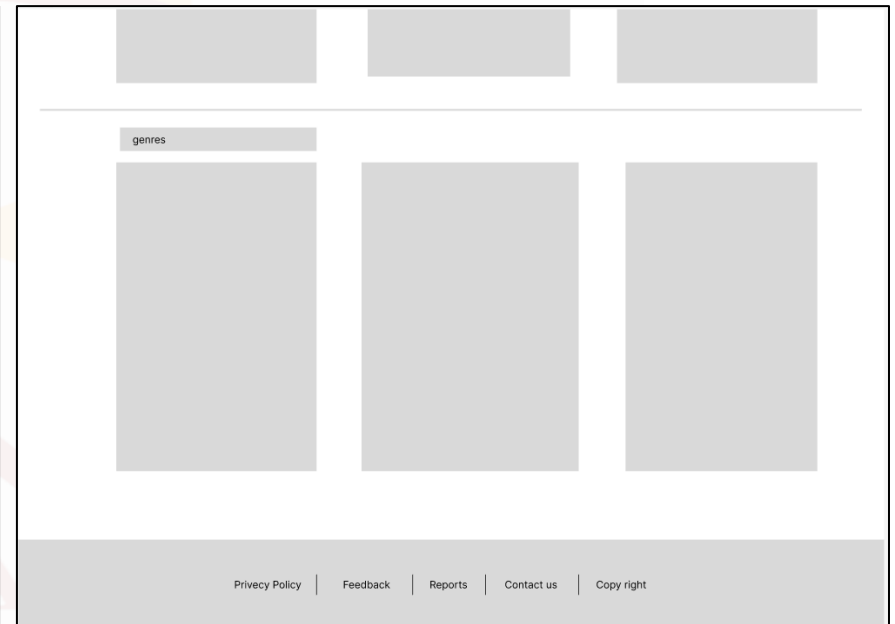


Expected Outcome

Home page

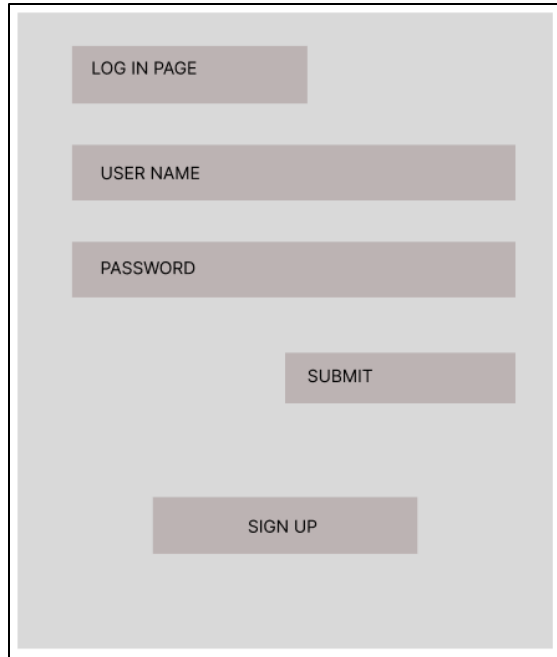


Footer



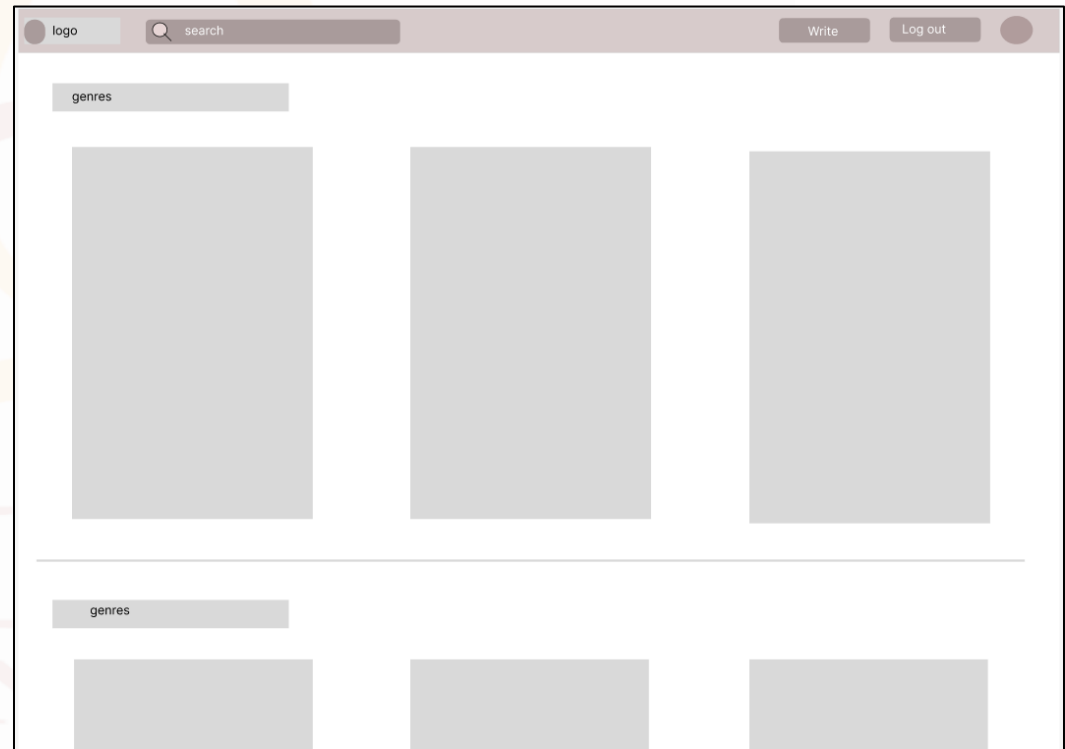
Expected Outcome

Log in page



A wireframe of a login page. It features a light gray background. At the top, there is a dark gray rectangular button labeled "LOG IN PAGE". Below this, there are two horizontal input fields: the first is labeled "USER NAME" and the second is labeled "PASSWORD". To the right of the "PASSWORD" field is a dark gray rectangular button labeled "SUBMIT". At the bottom of the form, there is a dark gray rectangular button labeled "SIGN UP".

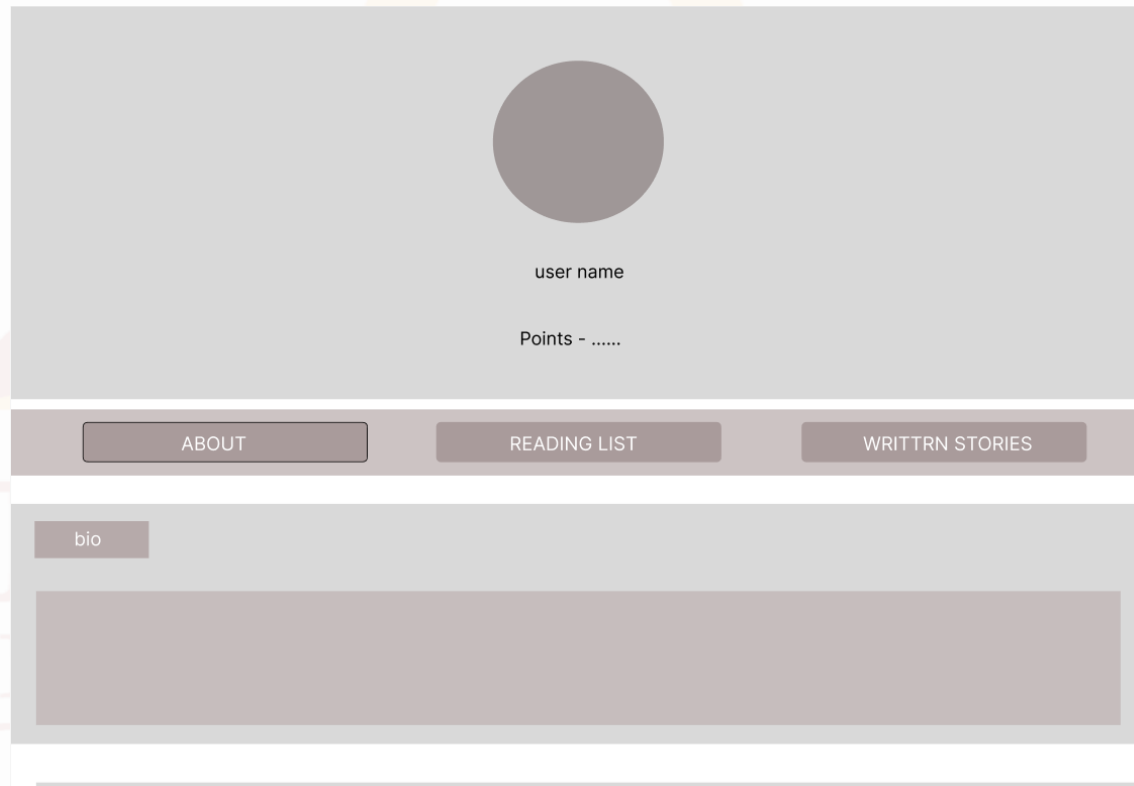
After Login/Signup page



A wireframe of a user dashboard after login/signup. The page has a light gray background. At the top, there is a dark gray header bar containing a "logo" on the left, a "search" input field in the center, and "Write" and "Log out" buttons on the right. Below the header, there is a section labeled "genres" with a dark gray button. This section contains three large, vertical gray rectangular placeholders. Below this section, there is another "genres" section with a dark gray button, followed by three smaller, horizontal gray rectangular placeholders.

Expected Outcome

Users profile page





Thank you

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