



LITREVIEW - Specifications

Summary

The platform has two main components:

- Authentication and user management (signup, login, profile, custom homepage).
- Content management: users post reviews about books they read.

The site requires the following:

- The UI must match the wireframes.
- The application must be coded using the Django framework.
- The database design must match the database schema provided in the GitHub repo.
- The code syntax must meet PEP 8 guidelines.
- The site must use server-side rendering to display information from the database on the page dynamically, specifically:
 - It must use the Django template language for server-side rendering.
 - It must use SQLite as a local development DB (your db.sqlite3 file should be included in the repository).

This is an MVP, so don't get too caught up on styling. Follow the layout of the wireframes provided. Focus on a **clean and minimal UI**! However, don't be afraid to add some personal touches if you wish! Just make sure that:

- Each page has the same functional elements as its corresponding wireframe (e.g., forms, buttons, links).
- Things like date formats, styling, etc., are consistent across the site.
- A user can perform all of the required functionalities as intended.
- Everything is clear, simple, and consistent for the user.

Keep in mind that, for several of the pages, **anonymous users will see different versions than logged-in users**. Ensure users must log in to view these pages and redirect anonymous users accordingly.

Developer Requirements

A developer must be able to:

- Obtain the source code from a Git repository.
- Create a local environment using venv and run the site based on the detailed documentation in the README.md.

Wireframes and User Specifications

Login Page

The wireframe shows a login page for LITReview. At the top, there is a header bar containing the LITReview logo on the left, a search bar with the placeholder text "Search for a book..." in the center, and a "Sign up / login" link on the right. Below the header, the main content area is centered and contains the following elements: a "Log in" heading, a "Username" input field, a "Password" input field, a "Log In" button, a "Don't have an account?" heading, and a "Sign Up" button.

Permissions: All anonymous users can access this page

Users can log in using their username and password or access the complete signup page.

You should redirect logged-in users accessing this page to their profile page.

Signup Page

LITReview	<input type="text" value="Search for a book...."/>	Sign up / login
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Sign up

Permissions: All anonymous users can access this page

Users can create a new account by typing their chosen username and a password. Passwords must match.

Display an error message if the username is already taken.

When the signup is successful, the users see a confirmation message. The message contains a link to the login page where they can actually log in.

Users who are already logged in when accessing this page should be redirected to their profile page.

Home Page


Logged-in Users

LITReview

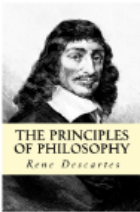
Search for a book....

[My profile](#) [Log out](#)

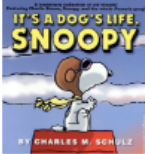
Reviews by users you follow



[The Origin of Species - Charles Darwin](#)
Truly revolutionary - ★★★★★
An excellent read and would definitely recommend!
New review by [Alice](#) on Jun 03, 2022 at 4:20PM



[Principles of philosophy - René Descartes](#)
Long read but worth it - ★★★★★
Descartes's Meditations on *First Philosophy*, the fundamental and originating work of the modern era in Western philosophy, is presented here [...]
New review by [John](#) on Jun 01, 2022 at 6:10AM



[It's a dog's life - Charles M. Schulz](#)
The best Snoopy comics - ★★★★★
Unavoidable! Everyone should have it in their collection.
New review by [John](#) on May 28, 2022 at 10:10AM

See all recent reviews


The home page for a logged-in user displays a feed containing all the reviews from users they follow, ordered chronologically by time descending (most recent first).

It will also contain a link to a page that shows reviews from all users (the same as the one that anonymous users see as described next).

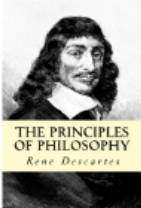
Anonymous Users (not logged in)

LITReview
[Sign up / login](#)


Recent reviews




[The Origin of Species - Charles Darwin](#)
 Truly revolutionary - ★★★★★
 An excellent read and would definitely recommend!
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 The best Snoopy comics - ★★★★★
 Unavoidable! Everyone should have it in their collection.
 New review by [John](#) on May 28, 2022 at 10:10AM



[The Origin of Species - Charles Darwin](#)
 I didn't understand it - ★☆☆☆☆
 Tried to read it but could not finish it. Not recommended.
 New review by [Rahim](#) on May, 20 2022 at 3:17PM

The home page for an anonymous user (not logged in) displays a feed containing reviews from all users, ordered chronologically by time descending (most recent first).

Own Profile Page

LITReview
[My profile](#)
[Log out](#)

My profile

Name: Aida Bugg
Email: aida.b@email.com

Following

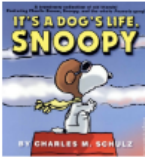
Alice Smith (unfollow)
John Bob (unfollow)

Followers

Alice Smith
Rahim Burghiba
John Bob

Search for users

My reviews



It's a dog's life - Charles M. Schulz

Very nice - ★★★★★

Very funny :)

Review posted on Mar 20, 2022 at 10:10AM

Permissions: The profile page is accessible for logged-in users

When a logged-in user views their profile, they see:

- Their name and email.
- The other users they follow.
 - They may unfollow any user from their own profile page.
 - After unfollowing a user, they are redirected to their own profile page.
- The other users who follow them.
- A search box allowing them to search for users to follow.
- A list of all reviews they posted. Each review includes an edit and delete button.
 - Reviews are ordered chronologically by time descending (most recent first).

User Search Page

LITReview	<input type="text" value="Search for a book...."/>	My profile Log out
<p style="text-align: center;">Users matching 'ALICE'</p> <div><p><u>Alice Smith</u></p><p>2 reviews</p><p>2 followers</p><p>1 following</p></div>		

Permissions: This page is only accessible to logged-in users

When searching for a user, this page displays the search results.

- The search is case-insensitive.
- The search works on any subpart of the full name.
- Clicking on the user will access their profile page.

Profile Page (other user)

LITReview

Search for a book...

My profile Log out

Alice's profile

Name: Alice Smith

Start following Alice


Alice follows

John Bob

Alice is followed by

Rahim Burghiba
John Bob

Alice's reviews



[The Origin of Species - Charles Darwin](#)

Truly revolutionary - ★★★★★

An excellent read and would definitely recommend!

New review by [Alice](#) on Jun 03, 2022 at 4:20PM

Permissions: This page is only accessible to logged-in users

Logged-in users can view the profile of other users. They can see:

- The user's name.
- Who they follow.
- Who is following them.
- A list of all their reviews.
- A button to start following this user.

Book Search

LITReview

Search for a book....

[My profile](#) [Log out](#)

Books matching 'ORIGIN'



[The Origin of Species - Charles Darwin](#)

2 reviews

Average score: ★★☆☆☆

Create a new book

Permissions: All users (anonymous and logged in) can access this page, although some functionality is different (see requirements below)

Users can search for books using the search bar located in the website header.

This page shows the list of results. For each result, it displays:

- The image of the book.
- Its title with a link to the book page.
- The number of reviews posted for this book.
- The average score calculated on all reviews
- A button to create a new book (for logged-in users).
- A call to action to register/sign up for anonymous users ("Log in or sign up to create a new book").

Create a Book

LITReview

Search for a book....

[My profile](#) [Log out](#)

Create a book

Title

Description

Image

upload file

Submit

Permissions: This page is only accessible to logged-in users

Logged-in users can create new books if they do not exist on the platform. The form has fields for the book's title, description, and image (cover). Note that the field for adding an image is just a suggestion and not mandatory for meeting the requirements.

Once a book or article is created, only website administrators can edit or delete them. You don't have to make these features available to the users at that stage.


Book Page

LITReview

Search for a book....

My profile Log out

The Origin of Species - Charles Darwin



On the Origin of Species is a scientific novel by Charles Darwin, evolutionary biologist and the first person to conceive of natural selection as the vehicle through which organisms develop new features and identities through successive generations. Published in 1859 to a widespread and receptive general audience, it explicates now-familiar principles such as variation, mutation, and evolution which were, at the time, new to the scientific world. The novel is lauded for combining rigorous empirical evidence with the scientific method and Darwin's more abstract revelations about the nature of organisms, fashioning a model that unifies and explains many natural phenomena.

Post a review for this book

New review by [Alice](#) on Jun 03, 2022 at 4:20PM

Truly revolutionary - ★★★★★

An excellent read and would definitely recommend!

New review by [Rahim](#) on May, 20 2022 at 3:17PM

I didn't understand it - ★☆☆☆☆

Tried to read it but could not finish it. Not recommended.

Permissions: All users (anonymous and logged in) can access this page, although some functionality is different (see requirements below).

The page shows full information for the book (title, cover, and description). It shows a list of all reviews posted for that book.

If the current user posted a review (must be logged in), it has the edit and delete buttons. If the current user did not post a review for this book yet, the page also has a button to create a new review.

Logged-in users should see a button to post a review for the book. Anonymous users should see a call to action to register/sign up ("Log in or sign up to post a review for this book").


Create Review Page

LITReview

Search for a book....

My profile Log out

Post a review



The Origin of Species - Charles Darwin

On the Origin of Species is a scientific novel by Charles Darwin, evolutionary biologist and the first person to conceive of natural selection as the vehicle through which organisms develop new features and identities through successive generations. Published in 1859 to a widespread and receptive general audience, it explicates now-familiar principles such as variation, mutation, and evolution which were, at the time, new to the scientific world. The novel is lauded for combining rigorous empirical evidence with the scientific method and Darwin's more abstract revelations about the nature of organisms, fashioning a model that unifies and explains many natural phenomena.

Headline

Rating

☐ - 0 ☐ - 1 ☐ - 2 ☐ - 3 ☐ - 4 ☐ - 5

Body

Submit

Permissions: This page is only accessible to logged-in users

A logged-in user can post a book review.

The page shows:

- Information about the book being reviewed.
- Fields for the review's headline and body.
- A rating/star system going from 0 to 5.

After the review is submitted, the user is redirected to the book page, **directly displaying the posted review**.