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Title of Experiment : Enhance your personal website that you made in Experiment 01-05 using JavaScript features like Events, Classes and Objects, Error handling etc.

Theory:

Events:

- Usage: Events in JavaScript are used to capture and respond to user interactions and other occurrences on a webpage. They add interactivity and allow you to trigger actions in response to events.
 - a. Star Rating: To implement a star rating system where users can hover over and click on stars to rate the book. These interactions, like mouseover and click, are events.
 - b. Comment Submission: To use a form with a submit button to allow users to submit comments. The button click event is used to handle comment submission.

Classes and Objects:

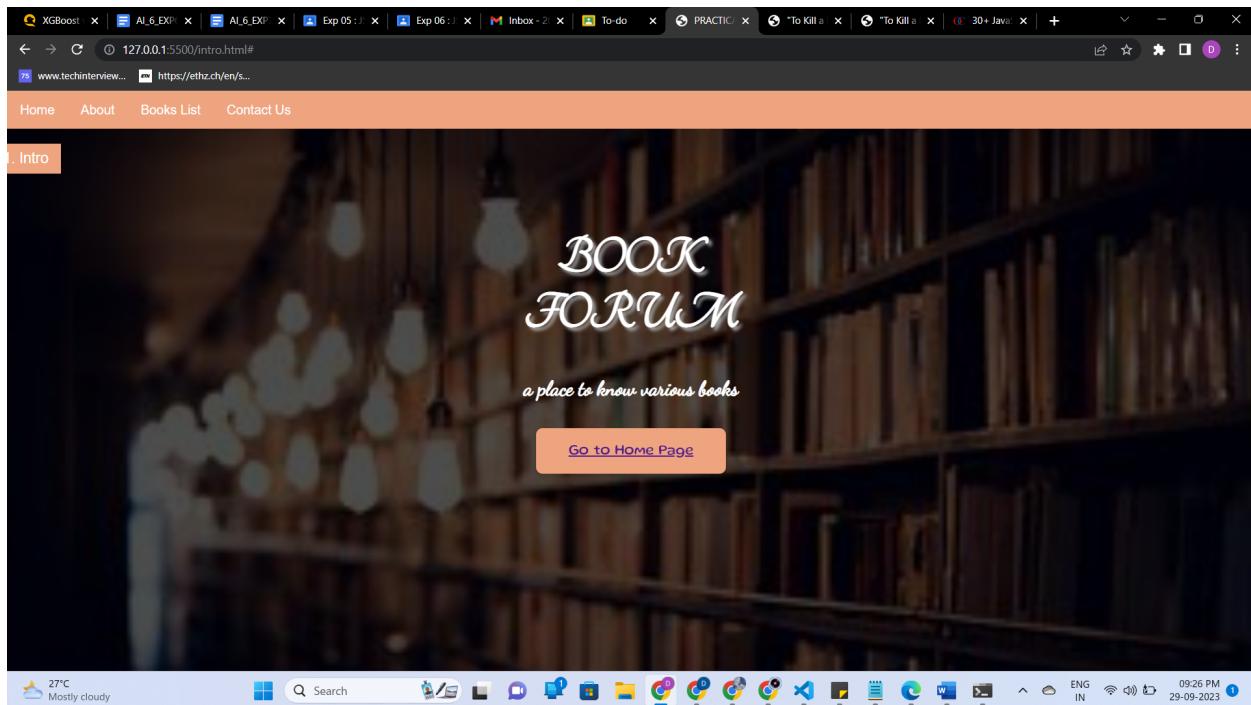
- Usage: Classes and objects are fundamental to organizing and structuring code in JavaScript. Classes define blueprints, and objects are instances of those blueprints.
 - a. Comment Class: I have defined a Comment class to structure comment objects with properties like name, text, and timestamp. Each comment submitted is an instance of this class, making it easier to manage and display comments.
 - b. Book Rating: To have an object representing the book with properties like title, author, and ratings, making it easier to manage and update the book's information.



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Error Handling:

- Usage: Error handling in JavaScript is crucial for gracefully managing unexpected situations or errors that may occur during code execution.
 - a. Comment Submission: When a user submits a comment, you can use error handling to check for issues like network errors or incomplete form submissions. If an error occurs, you can provide user-friendly error messages.
 - b. Star Rating: While not explicitly mentioned in your code, error handling can be used to handle unexpected scenarios in the star rating system, such as a user trying to rate more than once or invalid input.





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Screenshot of a web browser showing a book forum website. The URL is 127.0.0.1:5500/WC_1.html.

The page title is "BOOK FORUM" with the subtitle "a place to know various books".

A large image of a row of colorful books is displayed.

A section titled "Why Read Books?" is present.

At the bottom, there is a section titled "What are our Critics Saying?" featuring book covers for "To Kill a Mockingbird", "Call Me By Your Name", "A Man Called Ove", "The Kite Runner", and "Pride and Prejudice".

The browser taskbar shows multiple tabs and icons, including XGBoost, AI_6_EXPLORATION, Exp 05, Exp 06, PRACTIC, To Kill a Mockingbird, To Kill a Mockingbird, and 30+ Java.

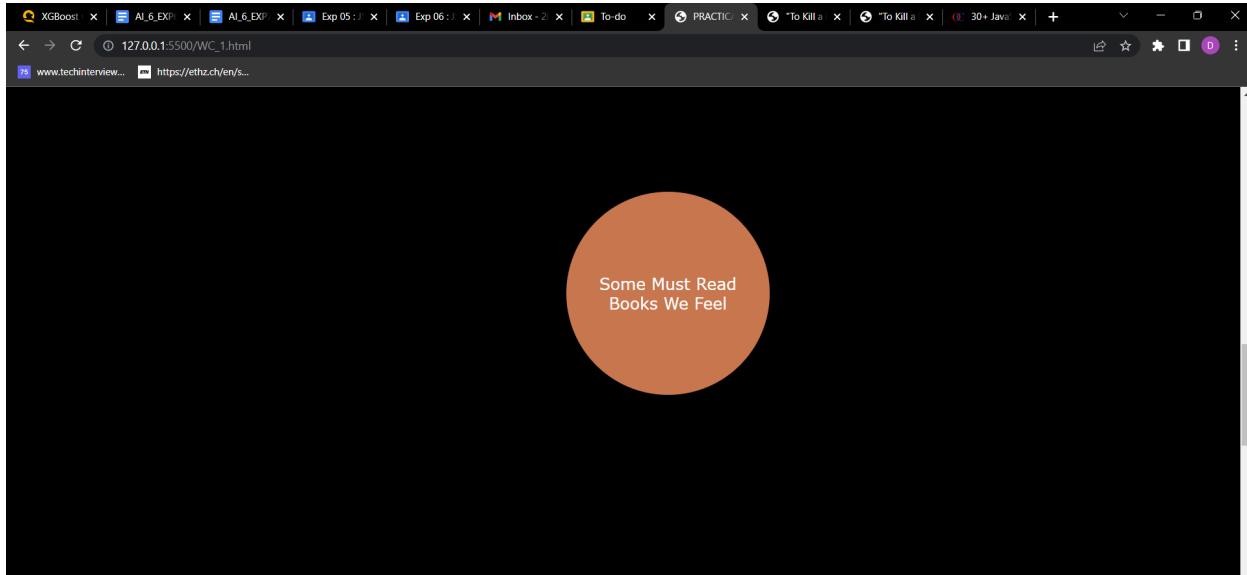


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WORK OF FICTION, but the content is still expected to be accurate. In addition to this, modern nonfiction is prose — writing that sounds like everyday speech and is not written in meter, like poetry.

- Autobiography and Biography
- Cookbooks
- Self-Help
- Memoirs

Contact Us

Write us anything

Your Name

Your Email

Subject

Your Message

Send Now

27°C Mostly cloudy

Search

Quotes

"The one thing that doesn't abide by majority rule is a person's conscience." - Atticus Finch

Discussion

Add Your Comment

Your Name

Your Comment

Submit

Book Comments (3)

Melissa Cooper

A timeless classic that everyone should read. The themes are still relevant today.

27°C Mostly cloudy

Search

ENG IN

09:28 PM 29-09-2023



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The screenshot shows a web browser window with multiple tabs open. The main content area displays a book summary for "To Kill a Mockingbird" by Harper Lee. At the top is a small image of the book cover, which features a silhouette of a person and the text "Winner of the PULITZER PRIZE" and "HARPER LEE". Below the image, there are three sections with orange borders: "Summary", "Historical Context", and "Literary Analysis". The "Summary" section contains a brief description of the novel's plot and setting. The "Historical Context" section notes the exploration of racial inequality and social injustice. The "Literary Analysis" section highlights themes like morality, empathy, and the loss of innocence. The browser's status bar at the bottom shows the date as 29-09-2023 and the time as 09:28 PM.

The screenshot shows a web browser window with multiple tabs open. The main content area displays "Book Comments (3)" for "To Kill a Mockingbird". There are three comments from users named Melissa Cooper, Georgie Cooper, and Mary Cooper. Each comment includes the user's name, their review text, and the date it was posted. Below the comments is a call-to-action button labeled "Buy the Book Now!" and a link to join the discussion. The browser's status bar at the bottom shows the date as 29-09-2023 and the time as 09:29 PM.



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Results and Discussions :

Events enabled dynamic user interactions, while Classes and Objects streamlined code organization and reusability. Robust Error handling ensured a smooth user experience. These features collectively enhanced website functionality, making it more user-friendly and maintainable. By embracing these JavaScript capabilities, we have fortified our web development skills, setting a strong foundation for crafting sophisticated, interactive websites in the future.