

Blog website having CRUD features

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Technologies Used

- Hyper Text Markup Language(HTML)
- Cascading Style Sheets (CSS)
- JavaScript
- React
- Git
- Github
- Firebase for database storage and user authentication
- TinyMCE for text formatting
- Vercel for hosting

Homepage

- This is page contains the list of blog posts.
- Each of them has a view, edit and delete button. The edit and delete button are conditionally rendered for only the author of that post.
- The page is designed with a navbar containing links for easy navigation and a footer
- This page also has a search feature to easily locate words in the title of each blog post for fast discovery.

Create Page

- This is page is used to make new blog posts. It contains the same navigation bar and footer.
- It has a form where users can input the title, body and cover image for their blog post.
- The body input field was built with the help of tinyMCE to allow more formatting tools to be available to the user
- The form has a submit button to add the blog post. On successful submission the user is prompted with a display message and the post is stored in the database.
- If no user is signed in when the submit is clicked, an alert is show to the user instructing the to proceed to sign in or abandon creating the post.
- This page also includes a back button to take the user back to the list of blog posts

Account page

- When displayed initially, it contains a button for users to sign in with their google account securely.
- On successful sign in, the user's name on google and their display image is rendered on the screen and an option to log out also appears.
- The user then has a back button in order to go back to the last page be it the homepage or the create page to continue creating their post.

View page

- This page is available to all users that visit the website. It is used to read the full blog post.
- On the page the title and body of the blog post is displayed
- There is a like button and like count available for users to like the blog post and see how many other people have liked it.
- There is also a comment section where authenticated users can drop comments and also reply to comments.
- The delete button for comments are conditionally displayed for only the author of the comment and the author of the blog post.
- This page also contains the same navigation bar and footer.

Edit page

- This page is used to make changes to the title or body text of the blog post.
- The structure of this page is the same as the create page
- The button for the edit is displayed for only the author of the blog post.
- The page also contains an input field for the title and tinyMCE for the body which are initially populated with the same values that were previously posted to allow for editing.
- On submission, the user gets a dialog box containing a message that the post has been updated and has the option to return to the home page.

Delete button

- As stated before, the delete button is conditionally rendered for only the author of a particular blog.
- When it is clicked, a confirmation message is displayed to the user to avoid deleting the post by accident.
- If the user confirms this action, the entire blog post and any associated likes, comments and comment replies are deleted from the storage permanently.
- The user also has the option to cancel and the post remains as it was.

Resources

- freeCodeCamp
- Codecademy
- Stack Overflow
- MDN docs
- React docs
- W3schools
- Reddit
- Devto