

Critika

Group 8: Project Backlog

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Problem Statement

Currently on popular forums (such as Reddit, Facebook, Twitter), people who post on certain large pages usually see their post lost in a sea of other posts. People looking for feedback on certain traits often won't receive any commentary on their post as most subscribers don't see it due to lack of visibility. This can be very frustrating and problematic for people trying to improve their craft. We intent to create a website that will help subscribers of large forums to gain visibility on their posts so they can receive more feedback and commentary from others.

Background Info:

Audience

Our target audience will encompass a wide range of ages. Our website will cater to anyone seeking feedback or general commentary on any topic. We expect to have a younger audience, as they are more active online, but will design with knowledge that older, less technologically able people will also be using our software.

Functional Requirements

1. As a user, I would like to be able to register for a Critika account.
2. As a user, I would like to be able to login and manage my Critika account.
3. As a user, I would like my password to be reset if I forget it.
4. As a user, I would like to be able to submit a form for submission.
5. As a user, I would like to be able to easily access my submissions.
6. As a user, I would like to be able to remove submissions as I see fit.
7. As a user, I would like to be able to easily see submissions from other users I can give feedback to.
8. As a user, I would like to be able to rate the feedback I've been given.
9. As a user, I would like to be able to specify my skill level for submissions.
10. As a user,
11. As a user, I would like to be able to easily view all categories for submissions.
12. As a user, I would like to see submissions for categories, even ones I'm not involved in.

13. As a user, I would like to see the best critiquers for a given category.
14. As a user, I'd like to be able to see submissions for a given category.
15. As a user, I'd like to be able to showcase some of my best works on my profile.
16. As a user, I'd like to be able to favorite other submissions/works of other users.
17. As a user, I would like to be able to add other users so that I can collaborate with them further.
18. As a user, I would like to be able to message other users I've added.
19. As a user, I would like a system to further specify my submission within the general category.
20. As a user, I would like a way to find groups of people who share the same types of work.
21. As a user, I would like a way to make more specialized groups of people who share the same types of work.
22. As a user, I would like to be able to view my own critiquer rating.
23. As a user, I would like to be able to report bad feedback.
24. As a user, I would like to specify what kind of feedback I'm looking for.
25. As a user, when I'm critiquing I would like my rating to be hidden from the other user.
26. As a user, when I'm critiquing, I would like the option to have my information anonymous from the person I'm critiquing.
27. As a user, I would like a way for people to see my submission and comment on it but not necessarily give me feedback.
28. As a user, if I don't consider myself good enough to get feedback, I want a way to be able to get feedback through the give and take system.
29. As an admin, I want to be able to see all the registered users.
30. As an admin, I want to be able to see all the submissions for feedback.
31. As an admin, I want to be able to ban users.
32. As an admin, I want to be able to see how much feedback a submission has received.

Nonfunctional Requirements

Architecture and Performance

We will be developing the application with a separate frontend and backend. This will allow us to effectively divide our work between the members in our group (three on frontend and three on the backend), decrease the compatibility issues between the two sides, and also make version control a lot easier. We plan on using the MERN stack (MongoDB, Express, React, and Node) as it is a popular and proven software stack with lots of resources and documentation for when we need assistance. The frontend will be constructed using React and will pull data from

the backend via requests to the API. Separating the backend from the frontend will also ease the burden of expanding to more platforms such as iOS or Android.

Security

Since we will be storing a lot of information sensitive to our users, we want to take the necessary measures to make sure our application is secure. There are many existing modules that can be easily integrated into Express/Node that includes several security features to fight against common exploits. Furthermore, we will be limiting accessibility to features on the website through the use of user roles and requiring authentication for all API requests in order to prevent exploitation of backend routes. We will also be utilizing hashing to make sure sensitive information in our database is secure such as with passwords.

Usability

The interface will be easy to navigate for users, with an intuitive and simple user interface. Organization will be important, with lots of features, to make sure the home page and screen is not too cluttered. Any user should be able to navigate the website on their own accord, and without needing a demonstration or tutorial. As our target audience will be variable (a wide range of ages) we want to make sure people with different levels of technological fluency will all be able to use our website without issue.

Hosting/Deployment

For hosting, many of our team members have existing experience deploying using Heroku and it is well integrated with GitHub, which is the platform we will be using to handle version control. Having continuous integration and deployment with GitHub through Heroku will allow our development process to move much more efficiently.