The Peer Review System

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What is The Peer Review System

Basically what we have created is a web application where an author can submit his/her work for peer review and if it is accepted, it is published to a list of accepted works.

Peer review is a long-standing system used to assess the quality of a work before it is published. Independent experts in the relevant area of interest assess submitted works for originality, validity and significance to help editors determine whether a work should be published as a standard reference.

Who performs peer review?

Experts with knowledge of the industry and previously invited by the administrator of The Peer Review system. Multiple reviewers are used to review each work.

How is peer review accomplished?

First off, an author submits his/her work for review. The work then is proceeded on to the admin of The Peer Review System which will decide whether it is acceptable for peer review. If the work is not acceptable for peer review, then the author is notified and given a reason why. If the work is acceptable for peer review, then the reviewers are assigned to review and score the work.

Reviewers read works by an assigned deadline. They evaluate the work that was submitted using the format and guided scoring system set up by the profession or industry association.

Multiple reviewers give their assessment and a final consensus review and score are determined by combining the reviews which is done by a lead reviewer.

What happens to reviewed works?

A work that is accepted and earns a score above a certain threshold will be displayed on the public page of the Peer Review System.

A work that is accepted and needs correction, quality improvement or receives a score below the threshold will not be published. Feedback may be sent to the author, and authors may try again to submit the work when it is improved.

A work that is rejected and not reviewed did not meet the criteria of works for this discipline. The author receives a rejection notice from the Administrator. Feedback may or may not be sent to the author.

Design Process

First thing we did was to meet with the client and discussed technical specifications as well as requirements required to complete the project. Upon completing technical specification, we were able to come out with our technology choices which were Angular, HTML5 and Bootstrap for client side as well as PHP for server side and MySQL for database.

In terms of designing and developing the database, we used Three Schema Diagram as well as ER Diagram.

We then proceeded to create a timeline which we used during the development phase to keep on track and make sure we were on top of everything and in line to complete the project on time.

Now upon development we then proceeded to testing which we used Google Forms, and it ended up providing us very good insight that we were not only on the right track, and we were setting out to accomplish what we were set up to. But we were able to find a few knowledgeable defects that we were able to fix and move forward very quickly.

Now upon review we were able to accomplish all the objectives of this project that we set forth at the beginning of the semester, we were able to check off all the requirements that were given to us, and we were able to successfully complete this project.