Journal publish system for student research

Outline of problem:

students spend a lot of time doing their dissertation, they have to research into various different papers, online articles made by experts in the field, but most of the time, this will never be published, the work will never be recognised by the public, or shared with other academics to learn from.

if there were to exist a student dissertation publish system, where students can publish dissertation papers onto a platform, for others to learn from, to criticise, to review, it would be extremely helpful in improving research quality.

Development method:

How will my system be beneficial to the stakeholders ?

1. *Students – employability, evidence of learning/expertise, more enjoyable project, better/more learning outcomes. because this is a web application for within the university, there is no connection with outer world.*
2. *Supervisors – easier to publish research work with students resources are only public for the current students within the university. (security reasons and patent issues)*
3. *University – showcase of student achievements for recruitment and advertising. secure (research) data within the university*
4. *General public – greater awareness and access to university research and individual students achievements. convenient access for students.*

I am currently researching into areas that will help me with this project by going through a lot of articles related to it. Looking at areas in

Literature review

1. the importance of technology enhanced learning,

2. benefits of online learning and project based learning/outcome based assessment,

3. learning from peers and peer review,

4. benefits of open access for journals etc.

5. Existing journal systems. Knowledgeblog. Open journal systems. Wordpress.

Project specification

I am also considering the webpage design architecture, how front end and backend will be communicating with database through use of RESTful api.

<https://www.sciencedirect.com/science/article/abs/pii/S1096751616300197>

<https://ajet.org.au/index.php/AJET/article/view/860>

<https://ieeexplore.ieee.org/abstract/document/9213662>

<https://searchapparchitecture.techtarget.com/definition/RESTful-API>

<https://www.openaccess.nl/en/what-is-open-access/pros-and-cons>

<https://www.tandfonline.com/doi/pdf/10.1080/0158791010220207?needAccess=true> using web tools, collaboration and learning online

<https://reader.elsevier.com/reader/sd/pii/S1096751616300197?token=4D75C864D4E78453D638CCD67B47649FF6B59C2045982D3AB2AD48C5A01E3A5BA9AB586634F30A0EB01A5512C881D405&originRegion=eu-west-1&originCreation=20211105120840> effect of online presence on learning performance in a blog based online course

* learning performance was measured in terms of learners' subjective and objective learning outcomes. Subjective learning outcomes are assessed as learners' performance and their satisfaction while participating in the blog-based course. It is measured on the basis of their perceptions of reading the contents of the blog, interacting with other learners, and engaging in the activities within the blog context, which can enhance knowledge.
* The squared multiple correlation coefficient, R2,was 18.1%, which means the online presence factor could account for18.1% of the objective learning outcomes of the blog-based online course. / For teaching presence, the squared multiple correlation coefficient,R2, was 10.2%, which means the teaching presence factor could account for 10.2% of the objective learning outcomes. / For social and cognitive presences, the squared multiple correlation coefficient,R2, was 15.8% and 19.7%, respectively, indicating that they could account for 15.8% and 19.7% of the objective learning out-comes of the blog-based online course, respectively.
* In a physical classroom, students may feel shy to ask questions. They may also hesitate to judge or show their real reactions to their classmates' writing. However, the proposed blog-based learning system implemented in this study makes it easy for students to react to others' posts.

<https://link.springer.com/article/10.1007%2Fs40299-014-0210-5>

Literature review plan:

Introduction – explaining problem and why I am doing this project

Research – what existing applications are there? How will mine differ from them? Wordpress, Jstor, OJS

Analysis of requirement – what is going to be in my project

Design – webpage application, front-end, back-end, database, which language? Why? RESTful api

Development – how to improve the project

Evalutaion – to what extent does my project solve the problem

conclusion

Additional development(features):

publishing teaching materials, workshop materials

supervisors have access to edit and comment to imporve quality of study

how do you sell your product? Proof reader?

why should people choose yours instead of current ones online?

Search method algorithm?