

Continuous Community Review Compendium: Jacks Peer Pages



JACKS
PEER PAGES

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Team Members



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About our Client

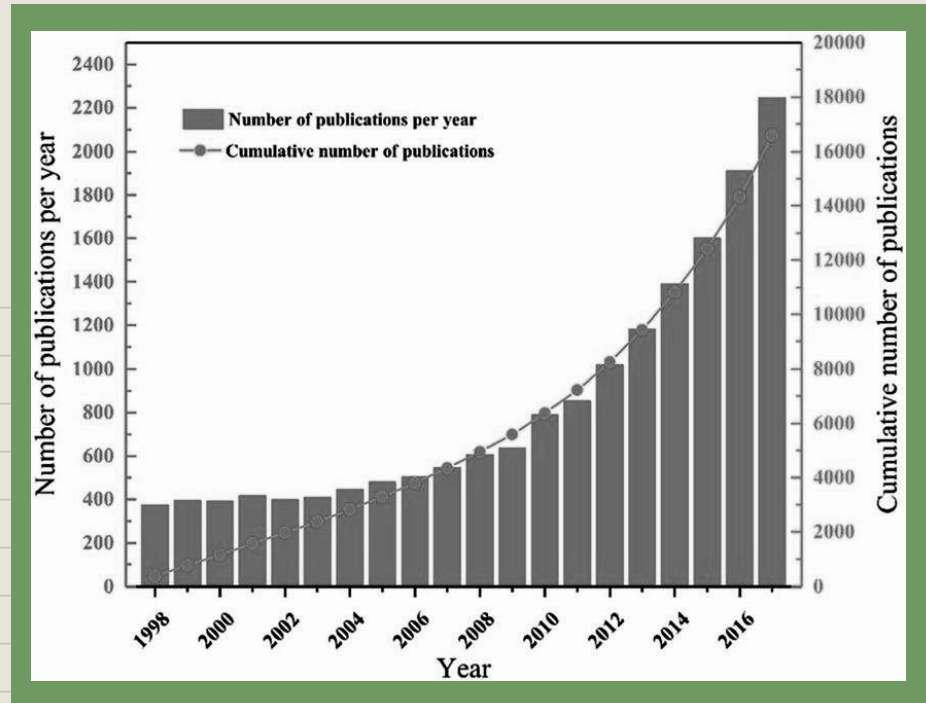
Dr. Keith Nowicki

- Professor of Physics at NAU.
- Working with other professors to make peer review part of the NAU curriculum.



Project Context - Domain

- The scientific publication industry
- Peer review sharing
- AI oversight



Project Context - Client Core Needs

A platform that enables:

- **Identification**
 - Allow researchers to flag AI and see AI flags.
- **Education**
 - Help students learn to peer review.
- **Dissemination**
 - Share peer reviews.



Project Context - Competitors?

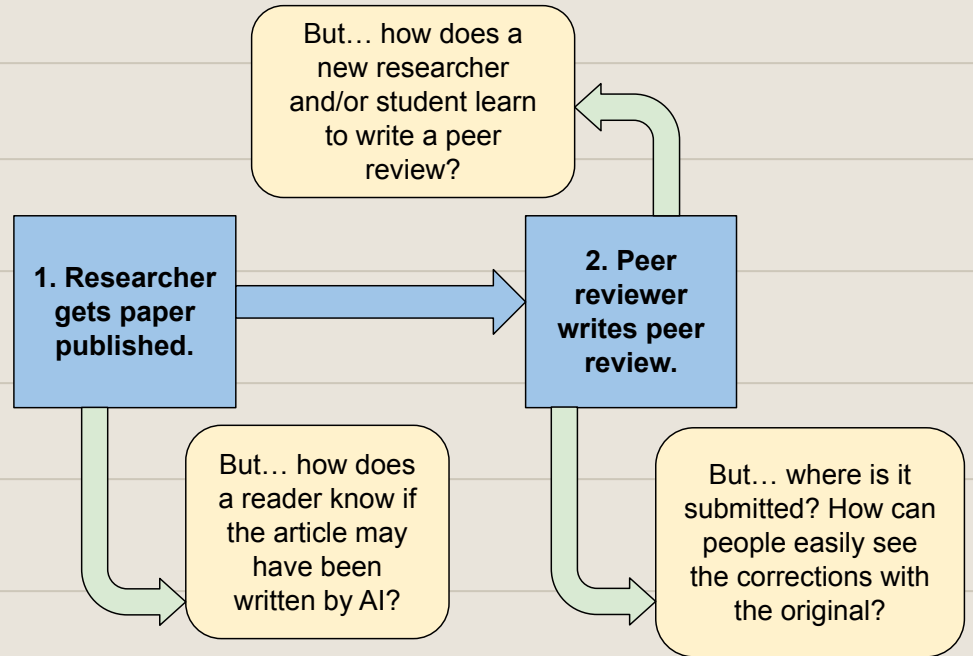


Problem Statement

01. **AI Overuse.**

02. **No infrastructure to learn to write peer reviews.**

03. **No way to share peer reviews.**



Solution: Develop A Web-Based Platform

Focus 1:
Flags AI.



Focus 2:
Teaches
students to
peer review.



Focus 3:
Allows
researchers to
share peer
reviews.



Software Design Overview

Digital Ocean Hosting

Easy maintenance, simple to use
Trade off: cost



MySQL Database

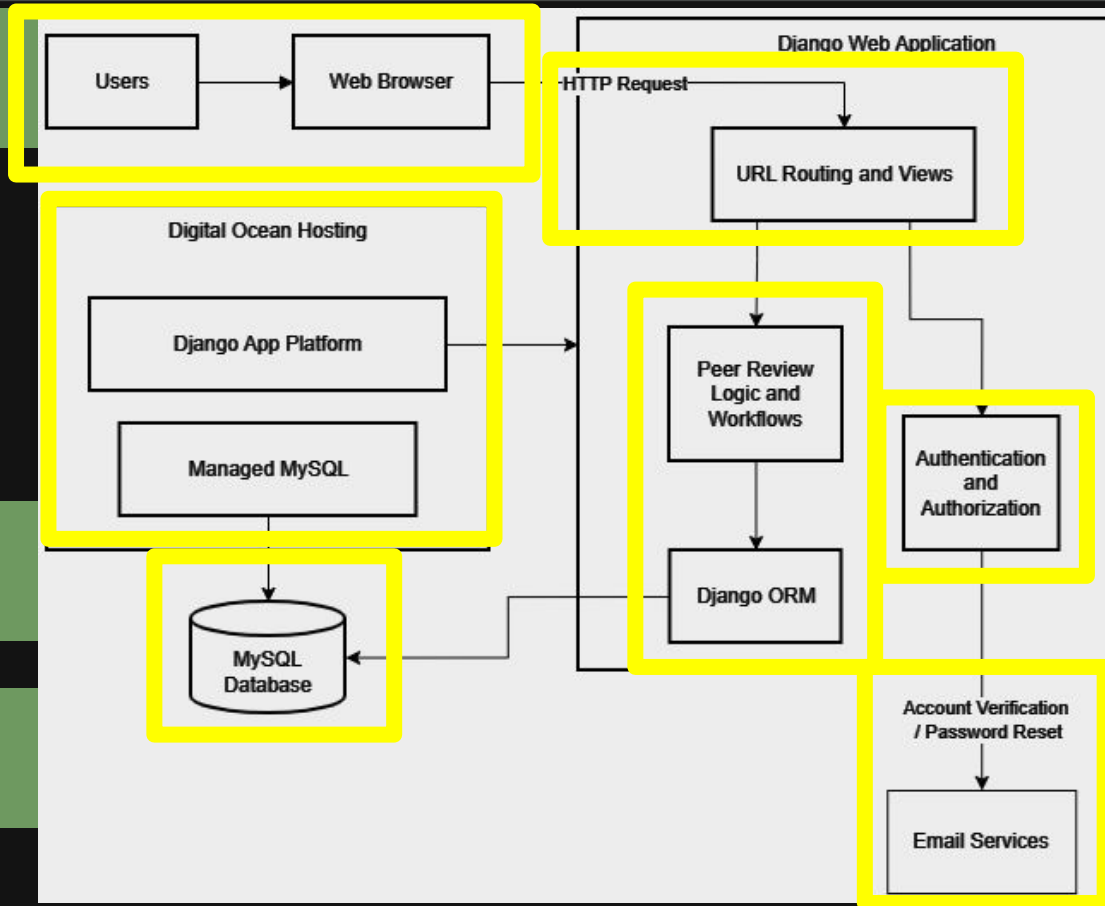
Familiar, expandable, easy to migrate
Trade off: rigid



Django Architecture

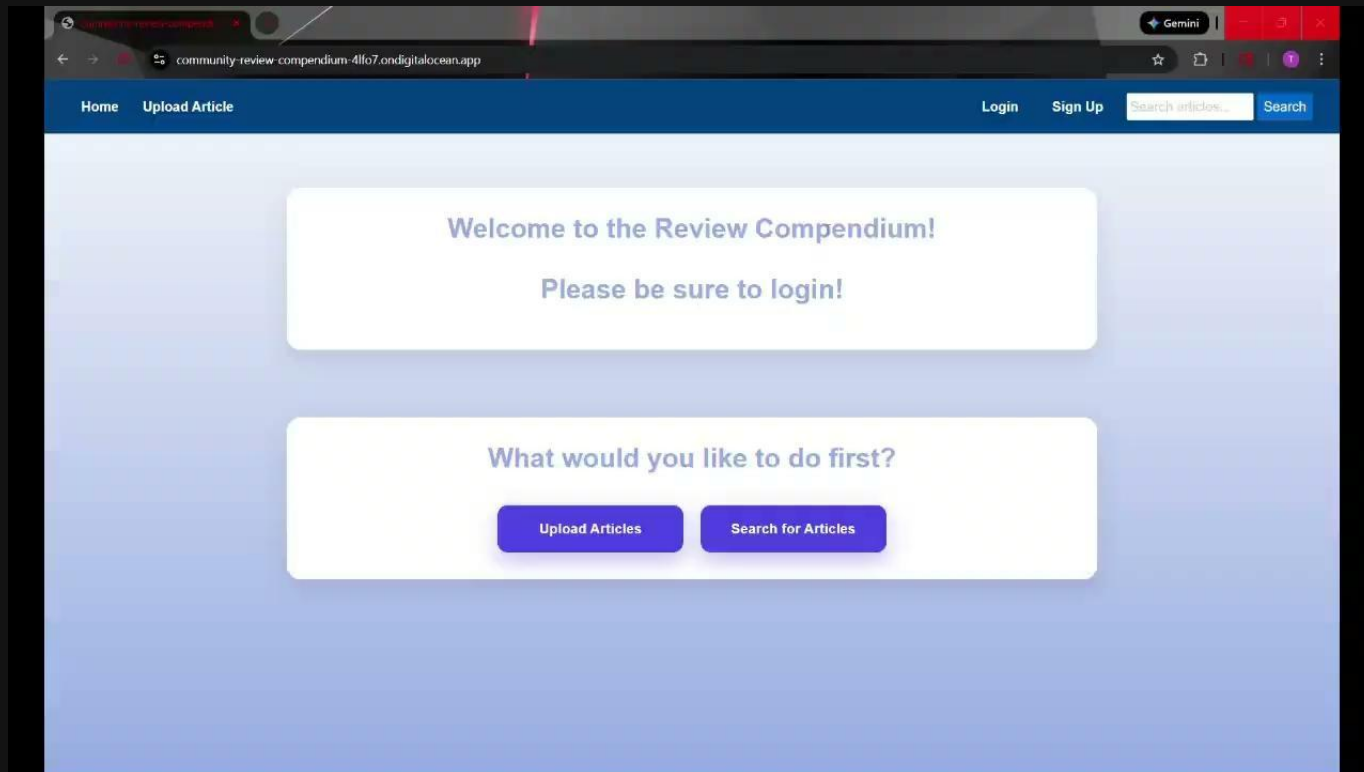
Has great template system, easy to expand
Trade off: more resource usage





Software Architecture Diagram

Alpha I Demonstration



Challenges & Resolutions

Easily maintainable hosting.

Managed hosting with DigitalOcean for easily maintainable and scalable hosting.



Secure account management.

reCAPTCHA and Django-allauth to prevent bots and use email authentication.

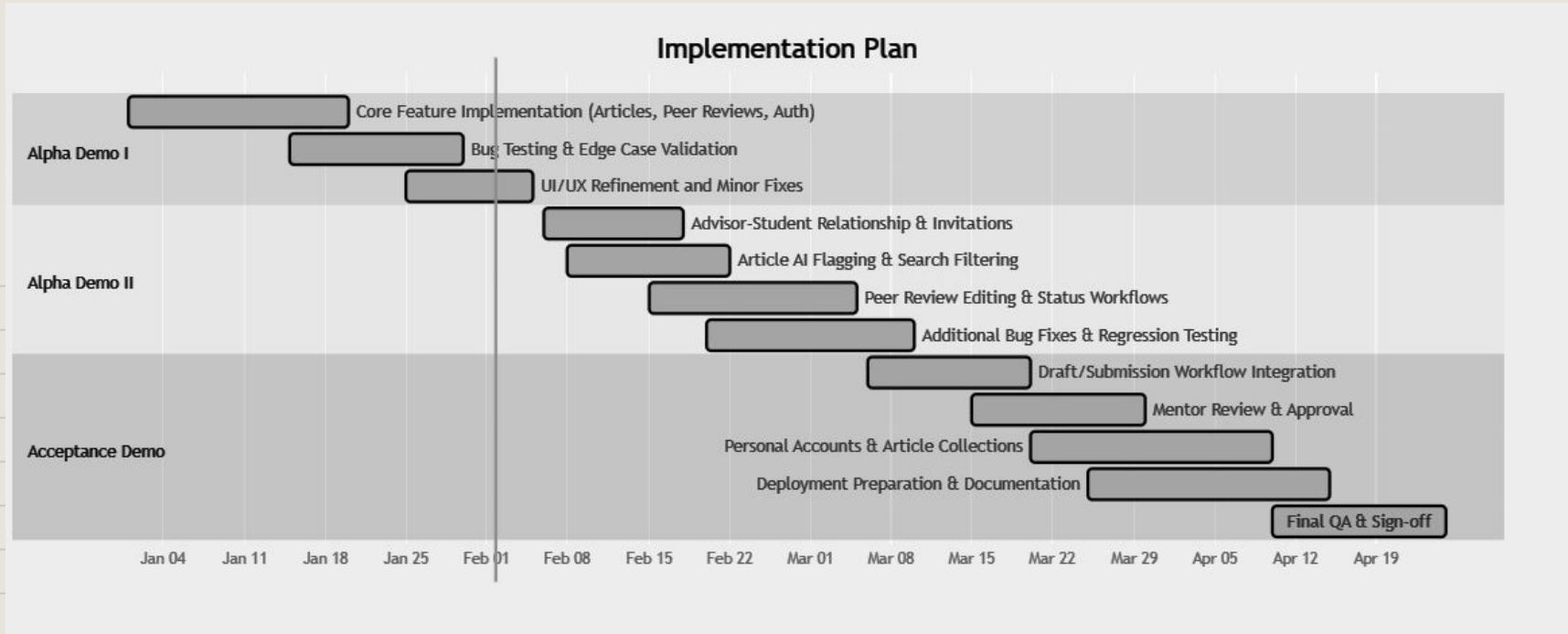


Setting up different account levels.

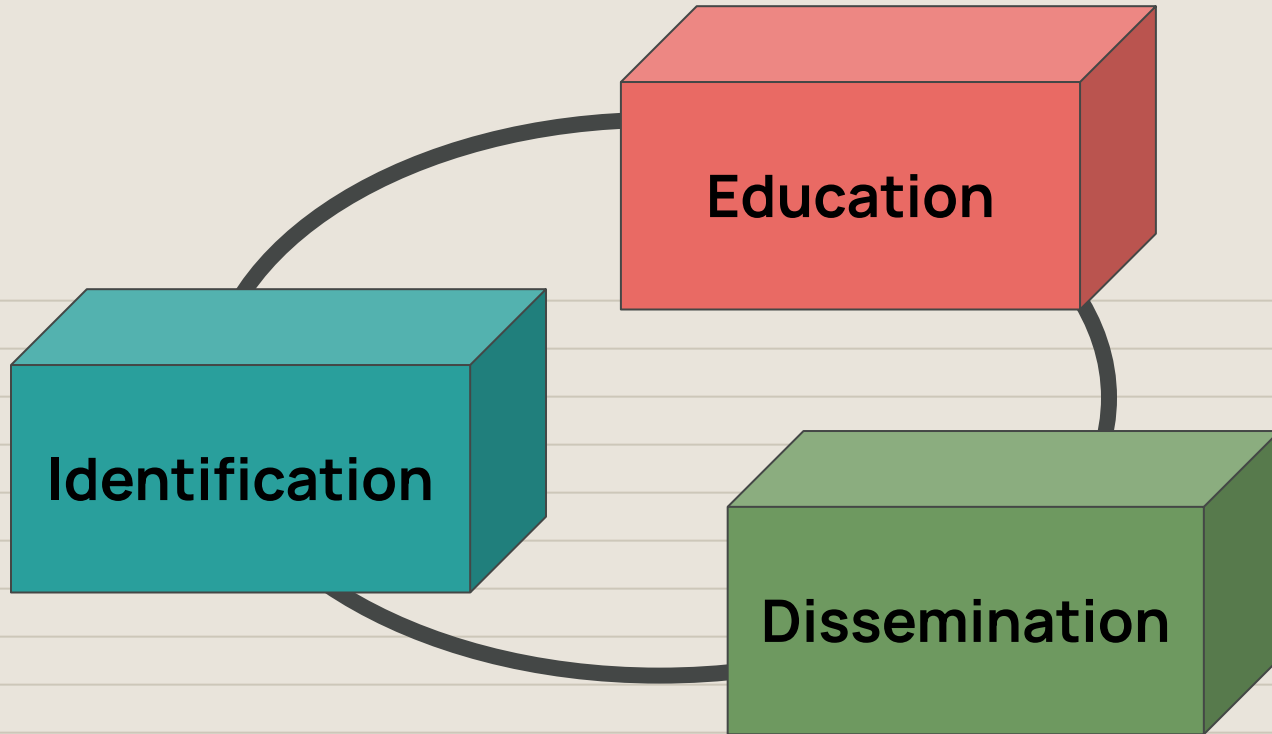
Set up student, mentor account levels.



Upcoming Schedule



Conclusion: Overview



Conclusion: Going Forward

Finish remaining
“would like to
haves”

Testing with
graduate students

Give to students
for actual use



Thank you for listening



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