

Continuous Community Review Compendium: Jacks Peer Pages



JACKS
PEER PAGES

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Problem Area In Focus

Continuous Community Review Compendium

- **Scientific Publication**
 - Peer Review
 - AI
 - Research



Problem Statement: Importance

To publish and disseminate accurate scientific information.



Encompasses a multi-billion-dollar industry.



Employs hundreds of thousands of researchers, publishers, and other contributors.



Problem Statement: Client

Dr. Keith Nowicki

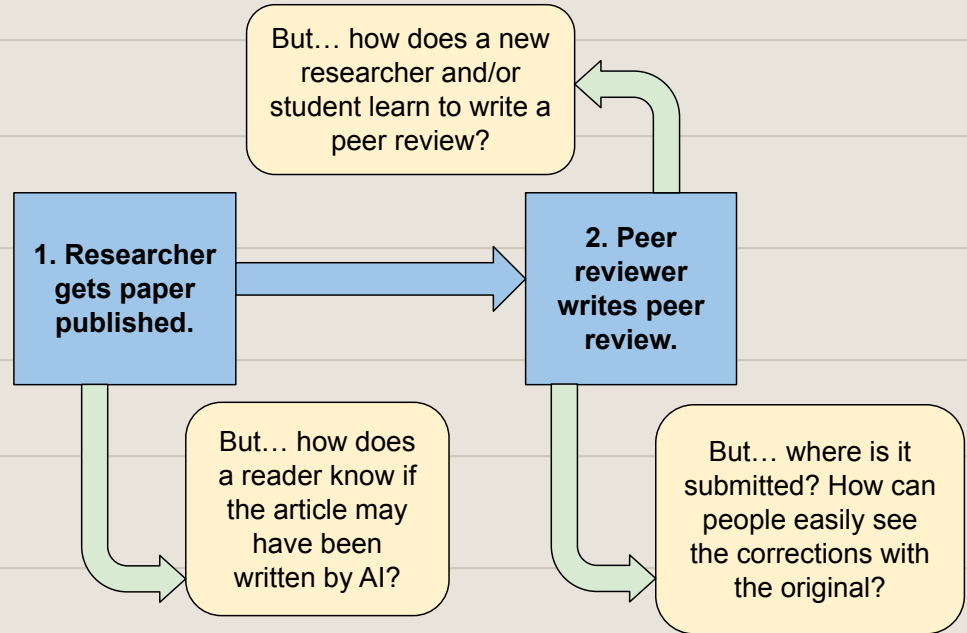
- Professor of Physics at NAU.
- Working with other professors to make peer review part of the NAU curriculum.

Problem Statement: Pain Points

01. **AI Overuse.**

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

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



Problem Statement: Value

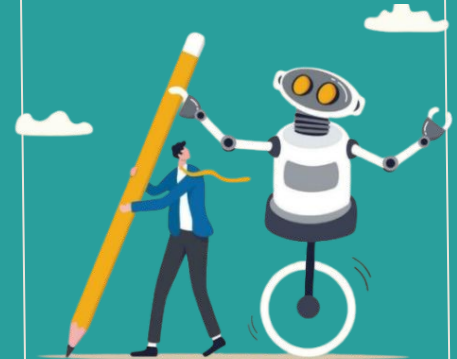
**Helps teach
students to
peer review.**



**Allows
researchers to
share their
observations,
opinions, and
corrections.**



**Flags AI use
for
researchers to
consider.**



Solution Overview



Develop a web-based platform to teach the Peer Review Process



1. **Create a Secured Database of Peer Reviews**
2. **Grant Special Access to Users through Guarantors**
3. **Preventative AI Measures**

Project Requirements



Meeting Notes

Client Meetings (~3 weeks)

- Steering Committee

Tech Feasibility

- Research
- Testing

How we gathered
requirements

Important User/Functional Requirements

Menu:

- [Sign In](#)
- [Sign Up](#)

Sign Up

Already have an account? Then please [sign in](#).

Email:

Username:

Password:

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password (again):

☐ I'm not a robot



**Account
Creation and
Sign In / Out**

[Home](#)

[Upload Article](#)

Hello, hberg!

[Logout](#)

Easy Navigation

Important User/Functional Requirements

Upload Article

Publication number:

Title:

Abstract:

Authors: Enter multiple authors separated by commas.

Links

Url:

Delete: ☐

test article

Publication #: testpubnum

Abstract: feusifbkfbakb fueiwfaib hewbfuywa h dead

Authors: test2, user1, user2, user3

Links:

- No links provided.

Uploaded by hberg

[Edit Article](#) | [Generate Citation](#) | [Add Peer Review](#)

Peer Reviews

- No peer reviews yet.

test review

Publication #: testpubnum

Article Title: [test article](#)

Status: Draft

Peer Review

grdgdsf

Submitted by hberg

[Back to article](#)

test article

Publication #: testpubnum

Abstract: feusifbkfbakb fueiwfaib hewbfuywa h dead

Authors: test2, user1, user2, user3

Links:

- No links provided.

Uploaded by hberg

[Edit Article](#) | [Generate Citation](#) | [Add Peer Review](#)

Peer Reviews

- [test review](#) - Draft by hberg

Upload Peer Review

Reviewing: test article

Publication #: testpubnum

Peer review title:

Peer review:

Status:

Upload Articles &
View Articles

Upload Peer
Review and View
Peer Review

Important User/Functional Requirements

Search Articles

- [test article](#) - testpubnum
- [test article](#) - testpubnum2
- [test article](#) - testpubnum3

Page 1 of 1

Search for
Articles

Generated Citation

Select Citation Style:

test2, user1, user2, user3 (testpubnum). test article.

Cite Articles

Additional Requirements

(Performance)

1
second

Search and
retrieve articles

.5
seconds

Upload articles

10
minutes

Learn the
interface

5
minutes

Get
authentication
email

Additional Requirements

(Environment)

Host Platform

Simple, easily maintainable, many users



Database

Familiar, easy to maintain, easy to migrate



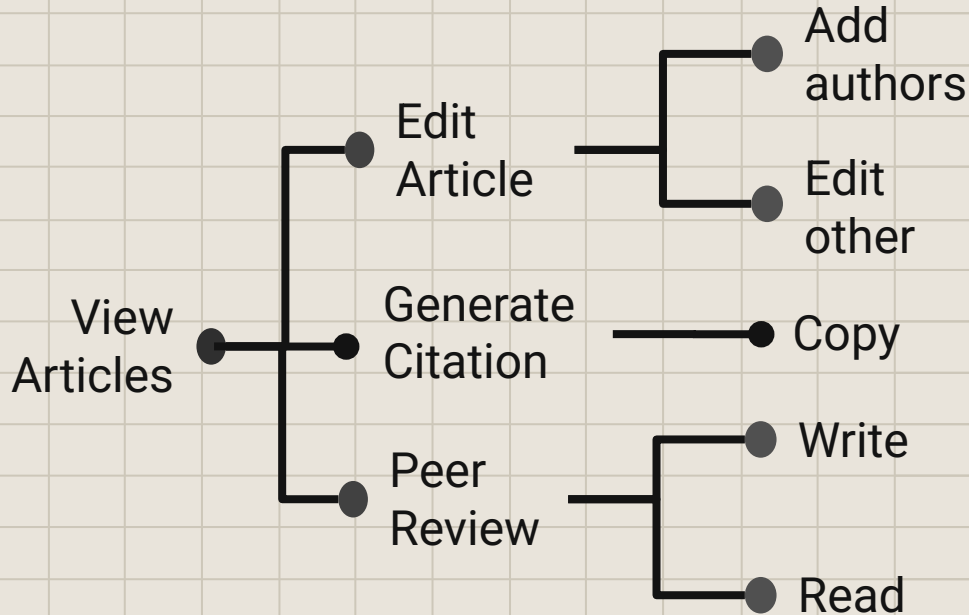
Future Expansion

Easy to expand, continued development



Most Important Feature

View Articles



test article

Publication #: testpubnum

Abstract: feusifbkfbakb fueiwbfaib hewbfuywa h dead

Authors: test2, user1, user2, user3

Links:

- No links provided.

Uploaded by hberg

[✎ Edit Article](#) | [📄 Generate Citation](#) | [➕ Add Peer Review](#)

Peer Reviews

- No peer reviews yet.

Risks



Searching

User spelling errors
invalidate article
search

Solution:

- Autofill
- Error handling

Hosting

Our DigitalOcean
hosting platform
crashes

Solution:

- Managed
hosting plan

AI Articles

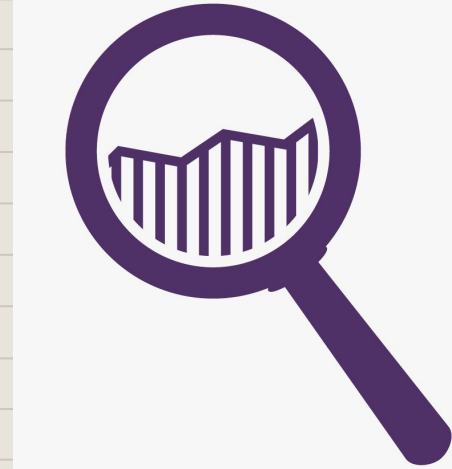
Instance where an
AI written article is
uploaded to the
database

Solution:

- Flags
- Review Process

Current State

- Tech Demo Complete
- All must have functional requirements included
- Ready to hand off to Steering Committee for initial testing next semester



Upcoming Schedule

Task/Activity Name	Due Date	Prev Sem	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16
Requirements Doc	11/26/2025																	
Tech Demo	11/26/2025																	
Project Poster	11/17/2025																	
Demo Flight Plan	11/21/2025																	
Final Website	12/5/2025																	
Project Marketing Video	12/5/2025																	
Wk 1 - 2: DigitalOcean Migration	1/23/2026																	
Wk 2: Test DigitalOcean Demo	1/25/2026																	
Wk 3: Introduce Steering Committee to Demo	1/27/2026																	
Wk 3: Testing Period for Steering Committee	2/1/2026																	
Wk 3: Take in feedback and adjust	2/1/2026																	
Wk 4 - 6: Work on fine-tuning base functionality	2/8/2026																	
Wk 6: Meet again with Steering Committee to discuss progress	2/22/2026																	
Wk 7: Improve Search Functionality for complex queries	3/1/2026																	
Wk 8: Final base testing with Steering Committee	3/8/2026																	
Wk 9: Begin testing roll out to graduate students	3/14/2026																	
Wk 10: Gather feedback from testing	3/21/2026																	
Wk 11: Make fixes and updates from feedback	3/29/2026																	
Wk 12: Continue taking feedback	4/5/2026																	
Wk 12: Begin work on stretch goals	4/12/2026																	
Wk 13-14: Continue Work On Stretch Goals	4/26/2026																	
Wk 15: Discuss project handoff with client	5/3/2026																	
Wk 16: Finish hand off and transfer of project	5/5/2026																	

Conclusion

01. Help train new researchers in peer review

02. Provide an environment free of AI written articles

03. Environment for efficient research



Thank you for listening



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