

PeerStudy Connect

Research Report and Prototype Documentation

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This report documents the PeerStudy Connect prototype. It explains the site's core features, how usability, user experience, design principles, interaction types, social and emotional interactions, and WCAG 2.0 accessibility were implemented. The prototype was built using HTML, CSS and JavaScript and is included with this report.

1. Website Functionality

PeerStudy Connect provides a focused platform for students to share study materials, form study groups, ask questions, and motivate each other. Core modules include: Home, Resources, Study Groups, and About.

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9. Prototype Files and How to Run

Files included in the /PeerStudyConnect folder: HCIN.html, resources.html, group.html, about.html, style.css, script.js, and screenshots. To run: open HCIN.html in a browser using the Live Server in VS Code.

10. Evaluation and Future Work

Usability testing should measure task completion time, error rates and satisfaction. Future work includes: persistent backend, real authentication, file storage, real-time communication, and accessibility testing.

References (Harvard - IIE adapted)

- Rogers, Y., Sharp, H. and Preece, J. (2023) Interaction Design: Beyond Human-Computer Interaction. 6th edn. Hoboken: Wiley.
- The Independent Institute of Education (IIE). (2024) The IIE Harvard Style Reference Guide. Johannesburg: The IIE.
- World Wide Web Consortium (W3C). (2008) Web Content Accessibility Guidelines (WCAG) 2.0. Available at: <https://www.w3.org/WAI/standards-guidelines/wcag/>