

Information and Computer Technology for Indigenous Knowledge Healthcare

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CS 4624: Multimedia, Hypertext, and Information Access

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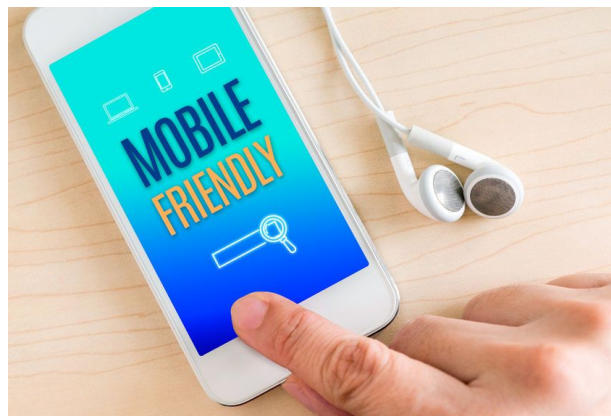
Professor: Dr. Edward Fox

Outline

- Brief Recap
- Live Demo
- Testing/Evaluation
- Lessons Learned
- Future Plans
- Acknowledgements
- Questions

Recap

- Requirements
 - User Submissions
 - Wiki-styled appearance
 - Mobile-friendly
- Design
 - Seven categories
 - Pages for terms and conditions, references, privacy policy
- Implementation
 - Backend - VT Based Centos 7 Server, HTTPS
 - Frontend - WordPress & plugins



Live Demo

health.cs.vt.edu

Testing/Evaluation

- Three main user classes
 - Laypeople
 - Professionals/Experts
 - Admins/Moderators
- Moderator functions are built into WordPress, so no testing was required
- Tasks for all user classes:
 - Create an account, login
 - Post a comment
 - Search for any specific post
 - View a reference document
- Tasks for professionals/experts
 - Submit a new post

Lessons Learned

- Setting up the server
 - VT4Help
 - VT IP address required
- Vetting sources
 - PubMed Central research
 - External contacts
- Legal concerns



Future Plans

- Continued moderation - a larger team of administrators will be required to keep the site running as it grows
- Separate developer controls from moderator controls
- Official mobile port, rather than mobile compatible site
- Extend categories, post types, etc.
- Invite people to contribute
- Collect resources



Acknowledgements

Professor Onwubiko Agozino - Client

<https://www.ncbi.nlm.nih.gov/pubmed> - Most of our research sources

<https://hokiewellness.vt.edu/> - Hokie Wellness

<https://www.legal.sga.vt.edu/> - Student legal services

Questions?