Information and Computer Technology for Indigenous Knowledge Healthcare

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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?