Virginia Tech Center for Drug Discovery Website Migration and Redesign

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Instructor: Edward A. Fox
Client: Karen Iannaccone
Background

- Virginia Tech Center for Drug Discovery (VTCDD)
- Ensemble CMS Cutting Off Support
- Client seeking help on site migration
- Needed to be usable by non-technical individual
Implementation Overview

• Determined requirements
• Site hosting through VT
• Content migration
• Finalized design
• Client feedback
• User testing
• Refinements
• Documentation
Tools and Technology

• Utilized WordPress
• Premium theme Avada
• Fusion Builder
Demo

- Old home page
- New home page
- Donation page
- About us
- Faculty and staff
Developer’s Manual

- 40-page reference for creation
- Instructions on Fusion Builder elements
- How to set up hosting
- Design schemes
Lessons Learned

- Working with non-technical clients
- Utilizing third party systems
- Testing web applications
- Documenting technical software
Testing

- GTmetrix
- Average page load
- Average clicks
- Average time to find
Desktop Test Results

Latest Performance Report for: http://www.vtcdd.science.vt.edu/

Report generated: Thu, Apr 27, 2017, 11:21 AM -0700
Test Server Region: Vancouver, Canada
Using: Firefox (Desktop) 49.0.2, PageSpeed 1.15-gt1, YSlow 3.1.8

Performance Scores

PageSpeed Score: E (57%)
YSlow Score: D (68%)

Page Details

Fully Loaded Time: 6.7s
Total Page Size: 1.76MB
Requests: 107

What do my scores mean?

Rules are sorted in order of impact upon score. Optimizing rules at the top of the list can greatly improve your overall score.

Not every recommendation will apply to your page.
The recommendations are meant to be generic, test practices some things will be out of your control (eg. external resources) or may not apply to your page.
Future work

• Dr. Kingston’s personal website
• 24/7 maintenance and support
• Upgrading reference materials
Questions?