All Together Now: AUC Woodruff Library’s Coding Interest Group

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Overview

1. Background & Justifications
2. Approaches to Learning
   a. Traditional Classroom
   b. Project-Based Learning
3. Project: Digital Signage
4. Takeaways & Conclusions
1. BACKGROUND & JUSTIFICATIONS
Markup / coding is everywhere
Solo Learning < Group Learning

different experiences / perspectives, motivation, social aspect, consistency, information sharing
2. APPROACHES TO LEARNING
Traditional Classroom

1. Identify subject: HTML/CSS
2. Use a pre-made structured approach: textbooks, online courses (Codecademy, edX)
3. Test knowledge through quizzes / tests, discussions
4. Repeat

Project-Based Learning

1. Identify useful project and outcomes
2. Structure your own course of learning
3. Identify learning resources
4. Learn & work on project
5. Share and reflect on learning and outcomes
6. Repeat
3. PROJECT: DIGITAL SIGNAGE
Project Parameters

- Wanted to build on our previous study of HTML5, CSS and JavaScript
- A website – but to what end?
- Utilize existing infrastructure
Raspberry Pi?
No, this Raspberry Pi.
What did we have?

- Flat screen monitors/televisions? Check.
- Raspberry Pi? Check x 3.
- Knowledge of HTML5? Check.
- Knowledge of CSS? Check.
What else did we need?

- Knowledge of Linux and Command line.
- Knowledge of JavaScript.
- Clearly delineated tasks.
- A plan.
Which team are you on?

Team HTML/CSS

<!DOCTYPE html>
<html>
<!- created 2010-01-01 -->
<head>
<title>sample</title>
</head>
<body>
<p>Voluptatem accusantium
totam rem aperiam.</p>
</body>
</html>

Team Images

Team Carousel
Future Projects
4. TAKEAWAYS & CONCLUSIONS
What did we learn?

Apart from how to be awesome.

- Meet regularly in the same space.
- Find a way to share duties within the group.
- Try to find a consultant or outside support.
- Document successes
  - Internal reports
  - Journal articles
  - Blog posts
  - Conference presentations
- Share what we learned from failures.
- Never stop learning.
Sharing Our Adventures

- Zotero Library
- Blog?
- Social Media?
- Online Community?
- Local Group?
- Others?
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- Photographs by Unsplash.com
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