The Virtual Office Door

The Conquistadoors:

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Faculty Mentor:

Dr. Eck Doerry

Clients:

- Michael Leverington

  - New Computer Science Professor at NAU

- Eck Doerry

  - Computer Science Professor at NAU

- Our Client's Business

  - Teaching students!

  - Communicating with the students and faculty

    - Classes

    - Projects

Problems:

- Teachers are moving into the SICCS building.

    - Classes are still held primarily on South Campus!

- Teachers still post on their office doors… on the opposite end of campus.

- There is no way to communicate messages posted on office doors unless physically in front of the door.

- Office hours and teacher availability are always subject to change.

    - A teacher can't always update the syllabus or email students immediately.

Solution:

Account-based Web 2.0 Application that allows users to securely access and modify their own online "office door", and allows users to view other doors.

Web page displays the user's schedule and other important information.

In modular components that can be:

Re-arranged, added, and removed by the "door's owner"

Enabled and disabled by administrators

Additionally developed and used in the future

Cross-disciplinary.

Not limited to Educational uses, can be utilized in multiple business fields

Plan for Development:

- Requirements Gathering:

  - Bi-Weekly meetings in Fall 2016, Weekly in Spring 2017

    - General status updates, work plan, accomplished/in progress milestones, open ended questions.

    - Take notes each meeting and review as a group after.

    - As soon as we understand the project more as a group, begin drafting requirements doc.

- Technical Investigation:

  - Web2.0 Desktop site

    - HTML5, CSS, Javascript

  - Database backend

    - Research User Authentication Libraries?

Conclusion:

- Clients: Michael Leverington and Eck Doerry.

- Problem: Communication via office door is inefficient and not all messages get communicated to all students.

- Solution: Web based application that enables office door like messages to be easily accessible to students.

Our Goal: Create a cross-disciplinary and multi-platform web app that facilitates communication between teachers and students, effectively eliminating the deprecated method of posting messages on a physical office door.