# Greeting

Hello, let everyone introduce themselves

# Requirements

* Dr Vivian Martin
* Community and content driven
  + Allow user submissions – users can sign up and submit, admin can approve posts for showing
  + Allow comments but moderated
* Design
  + Simple, modern design with emphasis on multimedia
  + Bootstrap
  + Emphasis on multimedia – highlight videos, audio, and galleries
  + User Friendly – ease of use, familiar design – more on that next slide
  + Customizable – ability to customize display for some portions of the site
  + Social media integration – buttons, etc.

# First iteration Mistakes

* Glassfish with Java Servlets and JSP
  + First iteration was mostly complete, but not very well implemented in terms of design. It worked, but it wasn’t pretty and certainly not something to feel comfortable submitting to the product owner.
* Underestimations
  + - Volume of work to provide all necessary features
    - JDBCRealms configuration was client side, configurations were on and off
* Overestimated
  + - Knowledge of SQL and database interaction, user friendly design
    - Amount of work we would be able to do

# The switch to WordPress

* + About ¼ of the way into second iteration
  + Re-evaluated requirements
    - Can their hosting provider (bluehost) even host a GlassFish application server?
    - Could we configure the server-side realms settings for the department to deploy the app?
    - Was a custom backend really what they wanted? Difficult to deliver a good user experience with a custom backend. CMS exist because this is not easy
    - Decided the design, presentation, and user experience was more desirable than a custom backend that works but is ugly
  + The switch to Wordpress was necessary
    - Product owner and co. was familiar with Wordpress functionality – a huge plus
    - Address owner’s Wordpress caveats
      * Display on main page – picking top stories instead of just 3 latest stories
    - Most providers have 1 click installs for wordpress – ease of use for product owner
* Not all was lost
  + Able to keep most of look and feel / design and re-integrate it into how WordPress works

# The solution

* Used wordpress as CMS
  + Designing and creating themes is kind of fun once you get the hang of it
  + All in PHP
* Multimedia oriented design – emphasis placed on multimedia objects like audio, video, and galleries
* Simple navigation
* Mobile ready
* Customizable displays
  + Sidebars are integrated into wordpress widgets
  + Custom glyphicons for categories
  + Category order can be customized
  + Live view modifier
* Emphasis on content