Walk-in Slide: AU 2014 Social Media Feed

1. Click on the link below, this will open your web browser

   http://aucache.autodesk.com/social/visualization.html

2. Use "Extended Display" to project the website on screen if you plan to work on your computer. Use "Duplicate" to display same image on screen and computer.

HTML5, CSS, and JavaScript: Why They Are Important to You and How They Fit Together

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Key learning objectives

At the end of this class, you will be able to:

- Discover where to start learning HTML5, CSS, and the Javascript API
- Discover the pros and cons of HTML5, CSS, and Javascript
- Discover how HTML5, CSS, and the JavaScript API can be used with each other
- Discover jQuery, Angular, and ThreeJS

Tools: Editors

- WebStorm
- Visual Studio
- WebMatrix
- Plunker (plnkr.co)
- Plain Text Editors

Help

- http://www.w3schools.com/
- http://stackoverflow.com/
- http://www.w3.org/standards/webdesign/htmlcss
- http:www.lynda.com
- http://www.pluralsight.com
- The web

HTML5

- Basic Tags
- Formatting
- Forms and Input
- Frames
- Images
- Audio / Video

HTML5 Contd…

- Links
- Lists
- Tables
- Styles and Semantics
- Meta Info
- Programming

Cascading Style Sheets

- Separate style from content
    - Color
    - Font
    - etc
- Simple animation
- Text decorations
- Borders and Padding
- Data Validation

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JQuery

- Library for increasing JavaScript productivity
- Helps improve the performance
- Develop most browser compatible web page
- It is fast
- It is extensible – jQuery can be extended to implement customized behavior

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AngularJS

- Javascript library
- For Single Page applications
- Provides Model-View-Controller architecture

ThreeJS

- 3D Graphics library
- Abstracts away the complexities of drawing on the browser
- Provides
  - Scene
  - Renderer
  - Camera
  - Drawable objects (with materials)

Class summary

HTML5, CSS and Javascript are very feature rich with deep functionality for rich application development by themselves.

Session Feedback

- Via the Survey Stations, email or mobile device
- AU 2015 passes given out each day!
- Best to do it right after the session
- Instructors see results in real-time

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