# CIS 4004: Web-Based Information Technology Fall 2013

Homework Assignment #1 (100 pts) **Due Friday September 13, 2013** 

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http://www.cs.ucf.edu/courses/cis4004/fall2013

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# Homework Assignment #1

- This assignment has two main objectives:
  - (1) To give you some practice writing HTML5 markup that contains semantically correct elements and augments the markup with the ARIA landmark roles.
  - (2) To practice applying basic CSS properties to style page layouts. We'll focus on very basic CSS for this first project.



# Task 1 For Assignment #1

- I have placed the file named startingcontent.html on the course website and assignment page. Although this file has a .html extension, it contains no markup what so ever. It includes only the textual content of what will be your final webpage.
- This page will not render as it is, since it includes no markup. However, the contents of this file are shown on the next page for illustration purposes only.



Professional Road Cycling 2013

Professional Cycling 2013

The Top Races

The Top Riders

2013 Season Overview

The professional road season begins in early February in southern Europe and runs through late world.

Events range from one-day classics to three-week grand tours. Some of the more famous races ar classics of Paris-Roubaix in northern France, Tour de Flanders in the Belgian heartland, Milanwestern coast of Italy, and the grand tours of France, Italy, and Spain. Many people who are n will have heard of the Tour de France, one of the largest sporting spectacles on earth. Professional cycling is governed by the Union Cyclist Internationale (insert this link here "h Aigle, Switzerland.

The Top Races

(insert image 1 here src="images/image1.jpg" width="75" height="100" alternative text should be Arguably the biggest race of the year is the Tour de France which is held during July. Some riders specialize their riding style to do well in the grand tours, while other riders will specialize in the one-day classics and shorter stage races. The Tour de France typically has between 20 and 22 stages, usually one stage each day. The winner is determined by the lowe overall cumulative time over all stages. Stages include special stages run individually agains called time trials, but most stages are massed-start events with all riders covering the same c together. The Tour de France allows teams of 9 riders and typically between 18 and 22 teams ar to compete in the event.

The Top Riders

(insert image 2 here src="images/image2.jpg" width="100" height="75" alternative text should be champion")



# Task 1 For Assignment #1

- Your first task in this assignment is to apply HTML5 markup elements to this text in order to produce a page that will render as shown on the next slide.
- Note that at this point, there are no styles applied to the markup content. There are two image files (available on the course website) that appear in the markup, and basic size properties have been applied (see the starting content file).
- When you have completed the markup of the original content, the markup that you have applied should cause the content to render as shown on the next slide.



# **Professional Cycling 2013**

- Professional Cycling 2013 Season Overview
- The Top Races
- The Top Riders
- · Bikes Of The Professionals

#### 2013 Season Overview

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## The Top Races

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## The Top Riders

Riders aquire UCI points throughout the year based upon their finishing position in the various races held around the world. The leader on points in any World Tour event wears a special jersey that signifies their leadership position. However, each year, the UCI also hosts the world championship event where the world champion is determined based on the winner of a single day event. For professional riders this event is normally around 150-165 miles long. This year, Philippe Gilbert of Belgium won the event to be crowned the 2012 World Champion. He will wear a special rainbow jersey until the world championship event next year, where he will attempt to defend his title.

Other top riders in 2012 were Fabian Cancellara of Switzerland, Tom Boonen of Belgium, and Bradley Wiggins of Great Britan.

### **Bikes of the Professionals**

Professional riders use specific bikes for specific events. Time trial bikes being the most specialized with highly aerodynamic builds and disk wheels often used on the rear wheel. Bikes built for climbing are extremely lightweight while bikes built for sprinting or rougher roads are somewhat heavier. A standard professional bike weighs between 14 and 18 pounds. Today most bike frames are made from carbon fiber as are many of the components and wheels. Typical cost is between \$6000 and \$18,000 USD per bike. Some of the top bike builders are:

- · Colnago (Italy)
- Ridley (Belgium)
- · BMC (Switzerland)
- Trek (USA)
- · Bianchi (Italy)

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# Task 2 For Assignment #1

- Starting with the markup document that you produced as the end result of task 1 for this assignment, your second task is two fold.
- (1) Apply the correct CSS style rules that will render your document as shown on the next slide.
- (2) Augment the document with a minimum of three ARIA landmark roles. You can choose which elements to apply the landmark roles to, but I would suggest using the navigation, main, and complementary roles.



# **Professional Cycling 2013**

Professional Cycling 2013 - Season Overview The Top Races The Top Riders Bikes Of The Professionals

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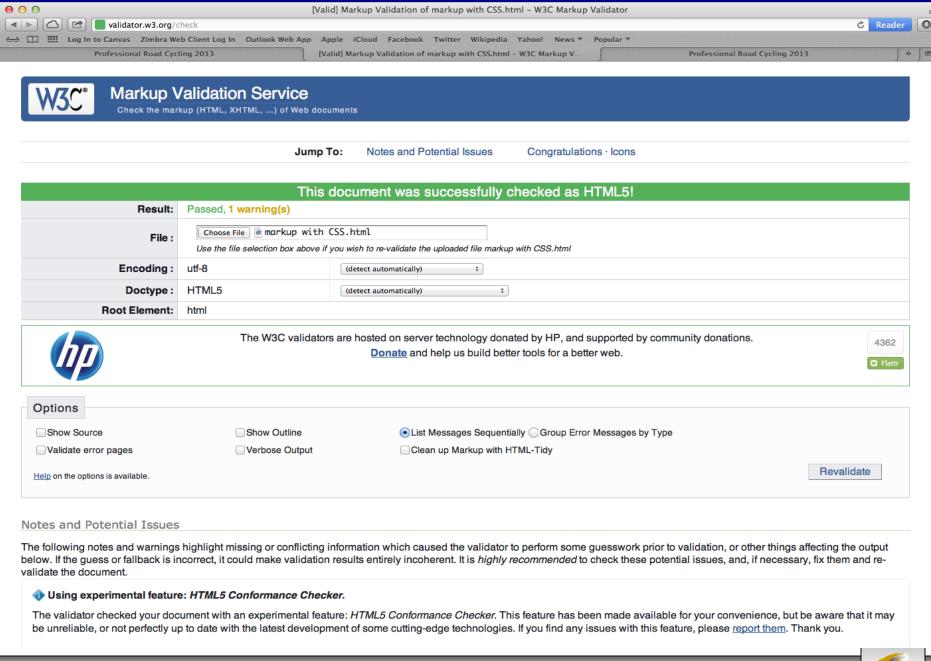
# **CSS** Restrictions For Assignment #1

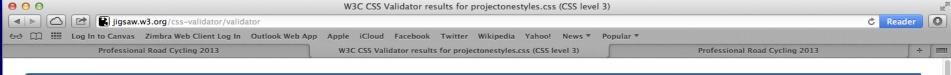
- For this assignment you will use only an external stylesheet.
- Do not use and embedded (internal) or any inline styles for this assignment.



# When And What To Turn In

- The deliverables for this assignment are:
  - 1. A semantically correct HTML5 markup document without CSS (20 pts). (This is the end result file of task 1.)
  - 2. A semantically correct HTML5 markup document with a link to an external style sheet (30 pts). (This is the end result file of task 2.)
  - 3. The CSS external stylesheet (20 pts).
  - 4. A document containing screen captures for both HTML5 documents (without and with CSS applied) validation that shows only the one warning as shown on the next page and CSS validation (all three must be passing!). Make sure that the name of the validated file appears in the screen shots. (20 pts)
  - 5. A screen shot of your final rendered document. (10 pts)
- The deliverables for this assignment are to be submitted via WebCourses no later than 11:55pm (WebCourses time) on Friday September 13, 2013.







Jump to: Validated CSS

# W3C CSS Validator results for projectonestyles.css (CSS level 3)

### Congratulations! No Error Found.

This document validates as CSS level 3!

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:

(close the img tag with > instead of /> if using HTML <= 4.01)



server.

The W3C validators are hosted on server technology donated by HP, and supported by community donations.

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4362

If you like, you can download a copy of this image to keep in your local web directory, and change the XHTML fragment above to reference your local image rather than the one on this

If you would like to create a link to this page (i.e., this validation result) to make it easier to re-validate this page in the future or to allow others to validate your page, the URI is:

