

# Front-end Developer Accessibility Course

## Outline / Plan

### Course objectives and plan

#### Objectives

- Provide a clear and thorough understanding of the *10 Essentials for Front-end Developers*.
- Provide a working knowledge of the techniques needed to meet the requirements of the *10 Essentials for Front-end Developers*.
- Provide sufficient information for front-end developers to understand how agile, accessibility and user experience (AUX) align.

#### Plan

- Course is given over six consecutive weeks.
- Each session is two hours in length.
- Course content is presented from simplest concepts to most complex.
- Each session includes a presentation and a hands-on working section, plus a weekly assignment.

### Course outline

#### Week 1

- **Semantic markup:** Do elements have the correct semantic markup?
- **Layouts:** Do page layouts adapt to different widths and text sizes?

#### Week 2

- **Colors:** Does design provide sufficient color contrast?
- **Images:** Do images and icons have the appropriate text alternative?

#### Week 3

- **Input Labels:** Are there descriptive labels marking each element, and labels for input groups?
- **Names:** Do all interactive controls have an accessible descriptive name

#### Week 4

- **Focus:** Is there an indicator when interactive elements have keyboard focus, and does its order follow a logical sequence?
- **Keyboard:** Can all interactive elements be selected and activated using the keyboard?

#### Week 5

- **Roles:** Do all custom controls and widgets have the correct role (e.g., link, button, tab, panel)?
- **Dynamic Updates:** Are all dynamic updates, including error messages, conveyed to assistive technology?

#### Week 6

- **Integration of agile and AUX into workflow.** Review of the 10 Essentials covered in previous five weeks, and as part of weekly assignments, integration with agile practices.
- **Final exercise.** Completion of the single, static HTML page that each attendee will have developed over the previous five weeks and feedback by attendees of how agile can be incorporated into their practice.