





CSS Basics

Web Samples
Rocket® Uniface

Agenda

1 Basics

2 Frameworks

3 CSS and Uniface

CSS Basics

- Stylesheets
- Syntax
- Selectors
- Properties

A Simple DSP Example

Surname

First Name

Date of Birth

A Simple DSP Example (HTML)

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>CSS_BASIC</title>
  </head>

  <body>

    <div id="uent:DUMMY.DUMMY">
      <div id="uocc:DUMMY.DUMMY">
        <p>
          <label id="ulbl:SURNAME.DUMMY.DUMMY">Label</label>
          <input id="ufld:SURNAME.DUMMY.DUMMY" value="Editbox"/>
        </p>
        ...
      </div>
    </div>
    <div id="uent:BUTTONS.DUMMY">
      <div id="uocc:BUTTONS.DUMMY">
        <input id="ufld:SAVE.BUTTONS.DUMMY" value="Submit"/>
        <input id="ufld:CANCEL.BUTTONS.DUMMY" value="Submit"/>
      </div>
    </div>

  </body>
</html>
```

Stylesheets

- Inline
- Internal
- External

Inline Styles

CSS styles applied directly to the HTML element

```
<label id="ulbl:SURNAME.DUMMY.DUMMY" style="color:red">Label</label>
```


Internal Styles

CSS rules declared in at the top of an HTML document

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>CSS_BASICS</title>

    <style type="text/css">
      label {
        color:blue;
      }
    </style>
  </head>
  ...
```

External Styles

CSS rules declared in an external file and linked in

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>CSS_BASICS</title>
    <link rel="stylesheet" type="text/css" href="../css/basics.css" />
  </head>
  ...
```

Syntax

```
selector {  
  property: value;  
  property-n: value-n  
}
```

```
.blue {  
  color: blue;  
  font-size: 8em;  
}
```

Selectors

What should this rule apply to?

Element

p {color: red};

Class

.red-text {color: red};

ID

#red-heading {color: red};

Properties

align-content, align-items, align-self, alignment-adjust, alignment-baseline, all, anchor-point, animation, animation-delay, animation-direction, animation-duration, animation-fill-mode, animation-iteration-count, animation-name, animation-play-state, animation-timing-function, azimuth, backface-visibility, background, background-attachment, background-clip, background-color, background-image, background-origin, background-position, background-repeat, background-size, baseline-shift, binding, bleed, bookmark-label, bookmark-level, bookmark-state, border, border-bottom, border-bottom-color, border-bottom-left-radius, border-bottom-right-radius, border-bottom-style, border-bottom-width, border-collapse, border-color, border-image, border-image-outset, border-image-repeat, border-image-slice, border-image-source, border-image-width, border-left, border-left-color, border-left-style, border-left-width, border-radius, border-right, border-right-color, border-right-style, border-right-width, border-spacing, border-style, border-top, border-top-color, border-top-left-radius, border-top-right-radius, border-top-style, border-top-width, border-width, bottom, box-decoration-break, box-shadow, box-sizing, box-snap, box-suppress, break-after, break-before, break-inside, caption-side, chains, clear, clip, clip-path, clip-rule, color, color-interpolation-filters, column-count, column-fill, column-gap, column-rule, column-rule-color, column-rule-style, column-rule-width, column-span, column-width, columns, contain, content, counter-increment, counter-reset, counter-set, crop, cue, cue-after, cue-before, cursor, direction, display, display-inside, display-list, display-outside, dominant-baseline, elevation, empty-cells, filter, flex, flex-basis, flex-direction, flex-flow, flex-grow, flex-shrink, flex-wrap, float, float-offset, flood-color, flood-opacity, flow-from, flow-into, font, font-family, font-feature-settings, font-kerning, font-language-override, font-size, font-size-adjust, font-stretch, font-style, font-synthesis, font-variant, font-variant-alternates, font-variant-caps, font-variant-east-asian, font-variant-ligatures, font-variant-numeric, font-variant-position, font-weight, grid, grid-area, grid-auto-columns, grid-auto-flow, grid-auto-rows, grid-column, grid-column-end, grid-column-start, grid-row, grid-row-end, grid-row-start, grid-template, grid-template-areas, grid-template-columns, grid-template-rows, hanging-punctuation, height, hyphens, icon, image-orientation, image-resolution, ime-mode, initial-letters, inline-box-align, justify-content, justify-items, justify-self, left, letter-spacing, lighting-color, line-box-contain, line-break, line-grid, line-height, line-snap, line-stacking, line-stacking-ruby, line-stacking-shift, line-stacking-strategy, list-style, list-style-image, list-style-position, list-style-type, margin, margin-bottom, margin-left, margin-right, margin-top, marker-offset, marker-side, marks, mask, mask-box, mask-box-outset, mask-box-repeat, mask-box-slice, mask-box-source, mask-box-width, mask-clip, mask-image, mask-origin, mask-position, mask-repeat, mask-size, mask-source-type, mask-type, max-height, max-lines, max-width, min-height, min-width, move-to, nav-down, nav-index, nav-left, nav-right, nav-up, object-fit, object-position, opacity, order, orphans, outline, outline-color, outline-offset, outline-style, outline-width, overflow, overflow-wrap, overflow-x, overflow-y, padding, padding-bottom, padding-left, padding-right, padding-top, page, page-break-after, page-break-before, page-break-inside, page-policy, pause, pause-after, pause-before, perspective, perspective-origin, pitch, pitch-range, play-during, position, presentation-level, quotes, region-fragment, resize, rest, rest-after, rest-before, richness, right, rotation, rotation-point, row-gap, ruby-align, ruby-merge, ruby-position, shape-image-threshold, shape-outside, shape-margin, size, speak, speak-as, speak-header, speak-numeral, speak-punctuation, speech-rate, stress, string-set, tab-size, table-layout, text-align, text-align-last, text-combine-upright, text-decoration, text-decoration-color, text-decoration-line, text-decoration-skip, text-decoration-style, text-emphasis, text-emphasis-color, text-emphasis-position, text-emphasis-style, text-height, text-indent, text-justify, text-orientation, text-overflow, text-shadow, text-space-collapse, text-transform, text-underline-position, text-wrap, top, transform, transform-origin, transform-style, transition, transition-delay, transition-duration, transition-property, transition-timing-function, unicode-bidi, vertical-align, visibility, voice-balance, voice-duration, voice-family, voice-pitch, voice-range, voice-rate, voice-stress, voice-volume, volume, white-space, widows, width, will-change, word-break, word-spacing, word-wrap, wrap-flow, wrap-through, writing-mode, z-index

Styling a basic form

CSS Frameworks

- Good out the box styling
- Responsive
- Cross browser
- Other components
 - Alert messages
 - Modal pop-ups

Bootstrap



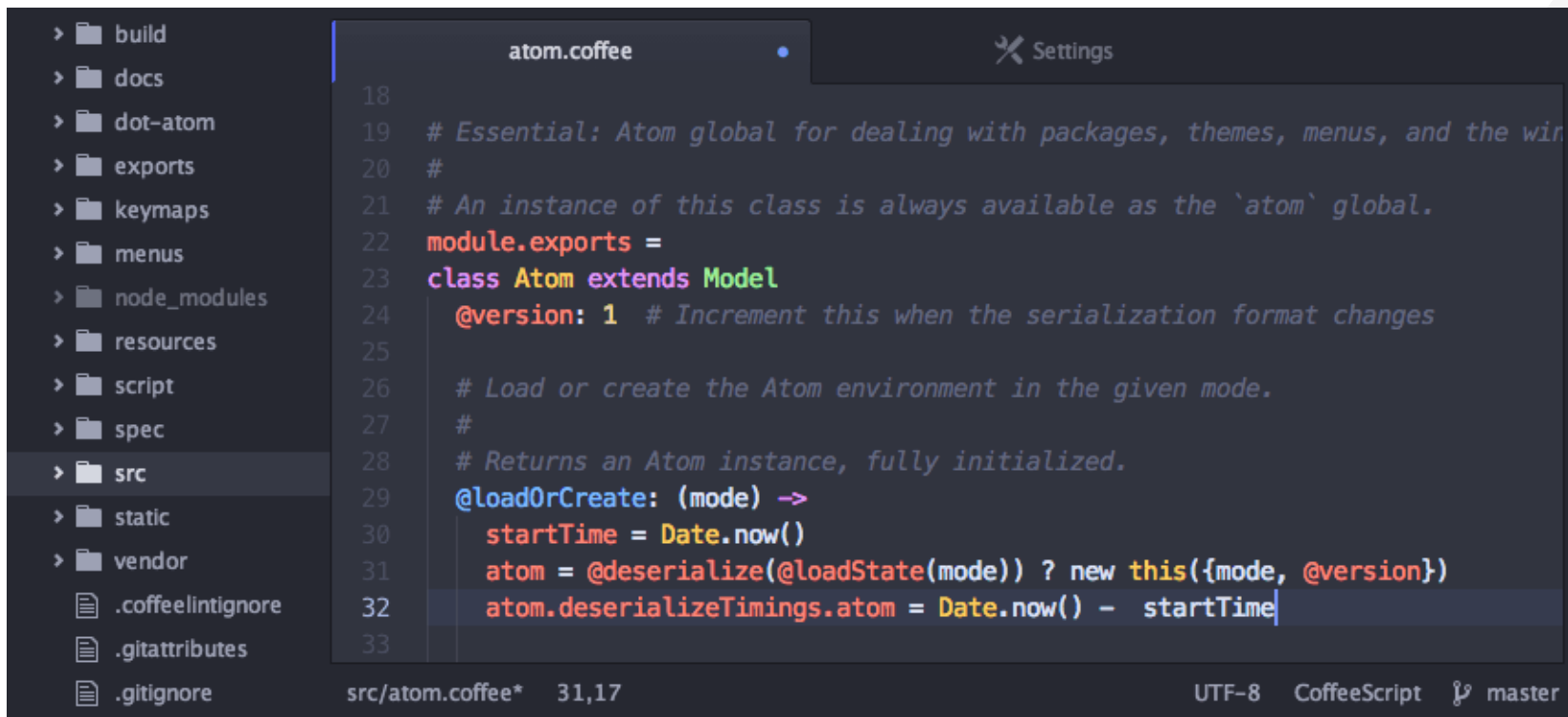
- Originally created at Twitter
- Now an Open Source project
- Designed “mobile first”
- Rich set of components

Styling our basic form with Bootstrap

CSS and Uniface

- Change the class on a field
 - In The Layout
 - From ProcScript
 - From JavaScript
- Change the class of anything else
 - AttributeOnly Fields

Desktop HTML Container



```
18
19 # Essential: Atom global for dealing with packages, themes, menus, and the win
20 #
21 # An instance of this class is always available as the `atom` global.
22 module.exports =
23 class Atom extends Model
24   @version: 1 # Increment this when the serialization format changes
25
26   # Load or create the Atom environment in the given mode.
27   #
28   # Returns an Atom instance, fully initialized.
29   @loadOrCreate: (mode) ->
30     startTime = Date.now()
31     atom = @deserialize(@loadState(mode)) ? new this({mode, @version})
32     atom.deserializeTimings.atom = Date.now() - startTime
33
```

