Comp 388/424 - Client-side Web Design

Spring Semester 2016 - Week 8

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Contents

- DEV week
  - *presentations*

- Demo app
  - *'Delete All Notes' option*

DEV week presentation and demo...

brief presentation or demonstration of current project work

- ■ ~ 5 to 10 minutes per group

- ■ analysis of work conducted so far
  - *eg: during semester & DEV week*

- ■ presentation, demonstration, or video overview...
  - *outline current state of web app*
  - *show prototypes and designs*
  - *explain what works & does not work*
  - *anything else considered relevant to your research or development...*

DEV week Peer review

- take notes for each presentation

- complete peer review per project presentation
  - *individually, **NOT** as a group*

- peer review **MUST** be completed this week
  - *part of this week's assignment*

- collated, anonymised results sent to each group

- carefully review peer review results
  - *consider modifications, updates...*
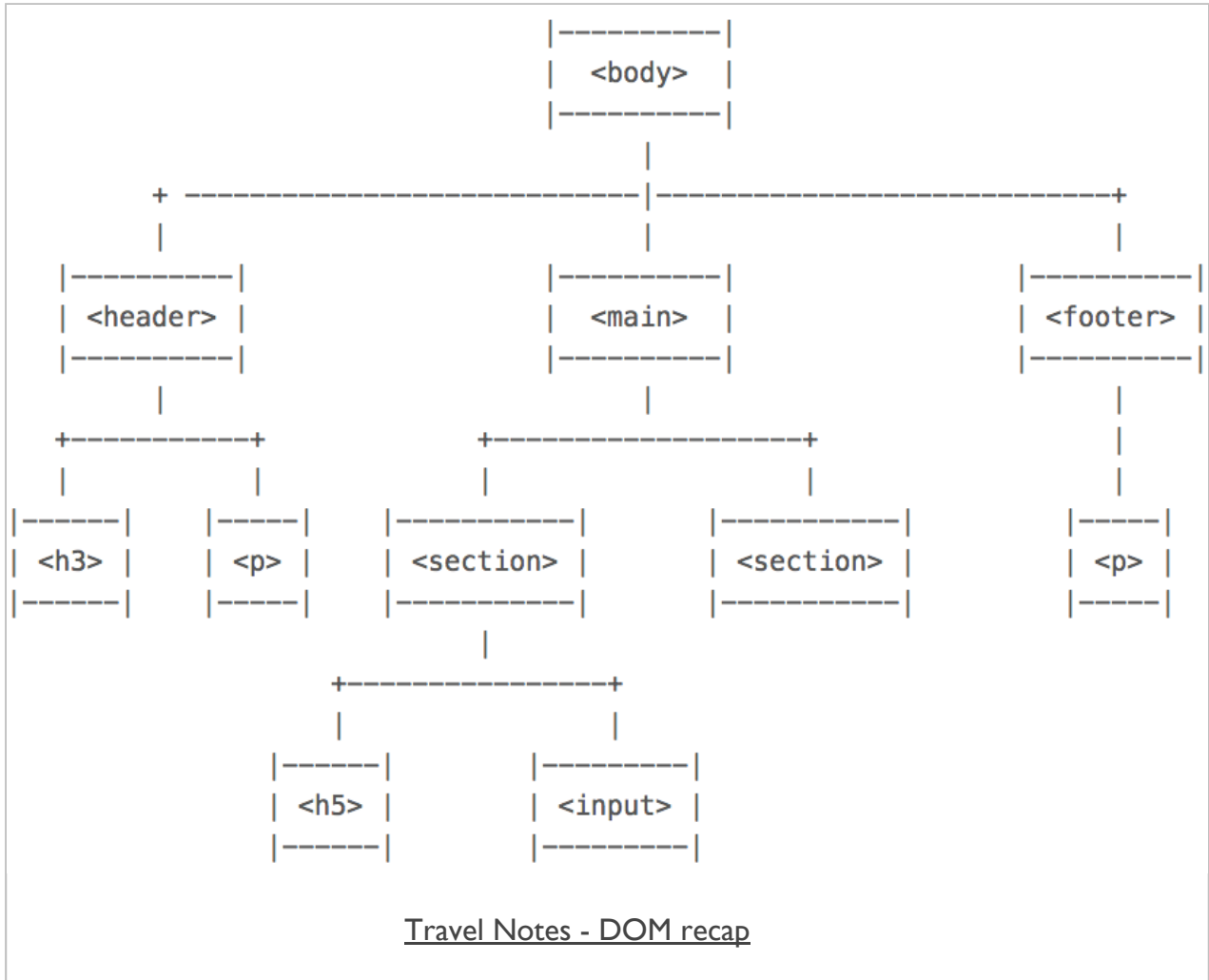
Image - HTML5, CSS, & JS - DOM recap

```
                              |----------|
                              |  <body>  |
                              |----------|
                                   |
         + ----------------------- | ----------------------- +
         |                         |                         |
    |----------|             |----------|             |----------|
    | <header> |             |  <main>  |             | <footer> |
    |----------|             |----------|             |----------|
         |                         |                         |
    +-----------+        +-------------------+               |
    |           |        |                   |               |
|-------|   |-------|  |-------------|   |-------------|   |-------|
| <h3>  |   | <p>   |  |  <section>  |   |  <section>  |   | <p>   |
|-------|   |-------|  |-------------|   |-------------|   |-------|
                            |
                   +-----------------+
                   |                 |
              |-------|        |-----------|
              | <h5>  |        |  <input>  |
              |-------|        |-----------|

                   Travel Notes - DOM recap
```

Image - HTML5, CSS, & JS - week 5 recap

travel notes

record notes from various cities and places visited...

add note

[   ] [add]

have fun in St Tropez

ride the tram in Nice

play golf in Mougins

app's copyright information, additional links...

Travel Notes - Demo 8 recap

HTML5, CSS, & JS - example - add-ons

new features and add-ons...

- delete all notes
- delete a single note
- new event handlers
- additional styling

HTML5, CSS, & JS - example - part 1

delete option - all notes

- standard `remove()` function in jQuery

```
$("p").remove();
```

- option to **delete all** notes from `.note-output`

- add a new toolbar for note controls and options

```html
<section class="note-controls">
  <button id="notes-delete">Delete all</button>
</section>
```

- then add some simple styling for this new toolbar

```css
/* note controls */
.note-controls {
  margin: 10px 0 10px 0;
  padding: 2px;
  border-bottom: 1px solid #dedede;
  display: none;
}
/* simplify default button styles for note controls */
.note-controls button {
  padding: 2px;
  margin: 2px;
  border-radius: 0;
  border: 1px solid #dedede;
  cursor: pointer;
}
```

HTML5, CSS, & JS - example - part 2

delete option - all notes

- note controls toolbar is hidden, by default in the CSS

- need some way to check its visibility as we add our notes
  - *no notes, then the toolbar is not required*

```
//check element visibility - expects single element relative to display:none
function checkVisible(element) {
  if (element.is(":hidden")) {
    element.fadeIn();
  }
}
```

- simply checking a passed element to see whether it is hidden
  - *then* `fadeIn()` *as necessary*

- can update this method later on to check hidden and visible

- call this function as required

```
checkVisible($(".note-controls"));
```

HTML5, CSS, & JS - example - part 3

delete option - all notes

- add a note, the `.note-controls` toolbar is shown
  - ***delete all*** *button now becomes available to our users*

```
//handle deletion of all notes
$("#notes-delete").on("click", function(e) {
  var $note = $(".note-output p");
  $(this).parent().hide();
  $note.remove();
});
```

- creating a new handler for the click events on the `#notes-delete` button

- hides its own container, the notes toolbar

- then removes all of the notes, `p`, from the `.note-output` section

HTML5, CSS, & JS - example - part 4

JS code so far

```javascript
//check element visibility - expects single element relative to display:none
function checkVisible(element) {
  if (element.is(":hidden")) {
    element.fadeIn();
  }
}
...
//handle deletion of all notes
$("#notes-delete").on("click", function(e) {
  var $note = $(".note-output p");
  $(this).parent().hide();
  $note.remove();
});
```

- DEMO 1 - travel notes - week 6 - demo 1

HTML5, CSS, & JS - example - part 5

delete option - all notes

- still making an assumption notes exist in the note-output section

- add an additional function to check element exists in the DOM or not

- use jQuery's `length()` function

```
$("p").length()
```

- new function for checking elements in the DOM is as follows,

```
//check elements exists
function checkExist(element) {
  if (element.length) {
    return true;
  } else {
    return false;
  }
}
```

HTML5, CSS, & JS - example - part 6

delete option - all notes

- updated delete all notes option to include check for notes

- call `checkExist()` function in conditional statement

```
//handle deletion of all notes
$("#notes-delete").on("click", function(e) {
  //set note selector
  var $note = $(".note-output p");
  //check $note exists
  if (checkExist($note) === true) {
    //hide note-controls
    $(this).parent().hide();
    //remove all notes
    $note.remove();
  }
});
```

- DEMO 2 - travel notes - week 8 - demo 2

Image - HTML5, CSS, & JS - week 8 - demo 2

travel notes

record notes from various cities and places visited...

add note

[   ] [add]

[Delete all]

stroll along the Promenade des Anglais in Nice

lose money in Monaco

meet Picasso in Antibes

be seen in Cannes

app's copyright information, additional links...

Travel Notes - Week 8 - Demo 2

Demos

Travel notes app

- DEMO 1 - travel notes - week 8 - demo 1
- DEMO 2 - travel notes - week 8 - demo 2

References

JavaScript & Libraries

- jQuery
- jQuery API
- jQuery :parent selector