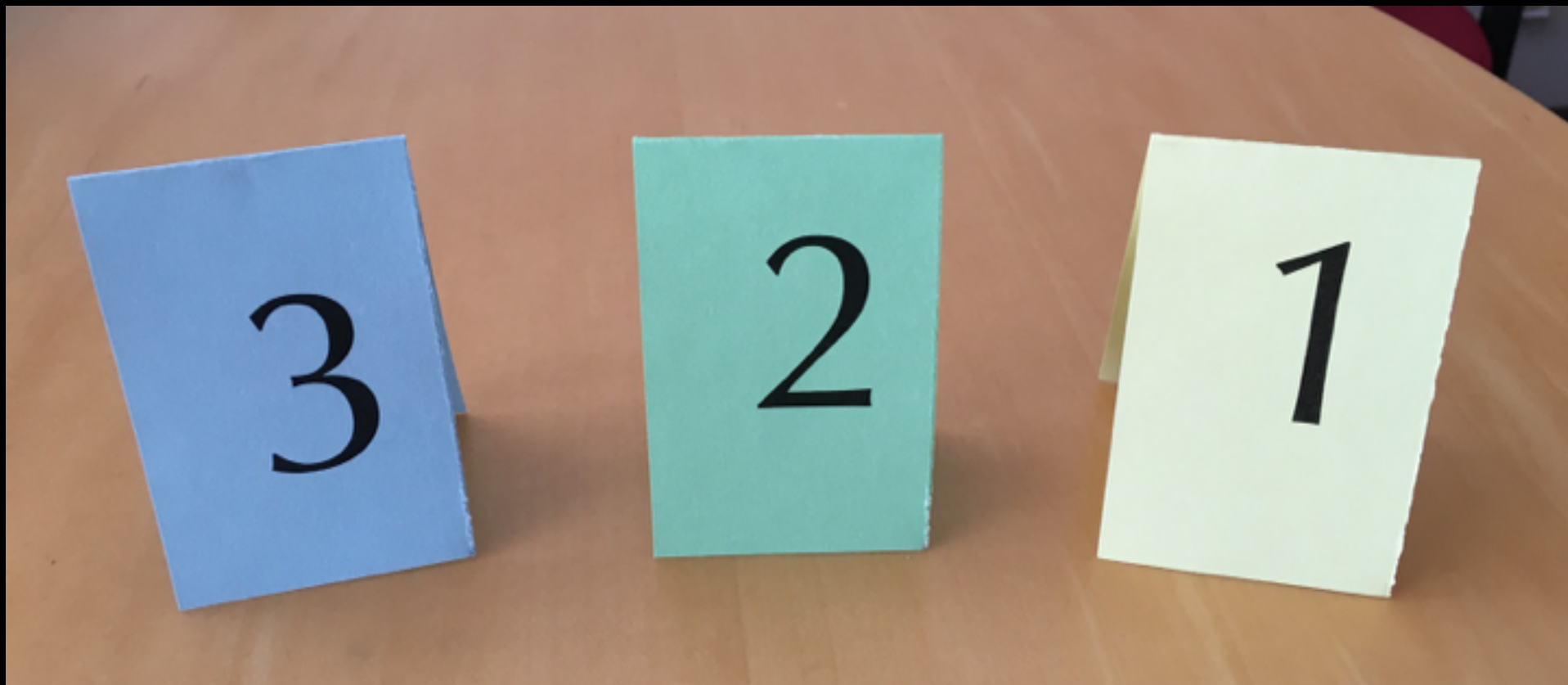# What's your confidence level with previous programming assignments?

Easy   **Doable**   **Scary**

Decorate your name tag with an appropriate meta tag ☝.

Pair up with someone with a different confidence level.

Coding Lab 2: jQuery Mobile

Krzysztof Gajos

Coding Lab 2: jQuery Mobile

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SPRING BREAK!!!!

Coding Lab 2: jQuery Mobile

Winston Boucher | Yujie Hong
Spring 2016

Today

★ Get acquainted with jQuery Mobile

★ Learn how to use mobile-oriented features for your web apps

★ Specifically, learn about easy mobile UI, easy navigation, and easy transitions

★ jQuery Mobile makes your life easier

Why Mobile Web Apps?

- Way less code than native mobile development
- You have plenty of web experience from programming assignments
- Only need client-side code
- Allows more focus on design of site instead of debugging
- Even Windows Phone users can use your site

jQuery vs jQuery Mobile

- Used in your HTML, not your JS
- jQuery ≠ jQuery Mobile
- "jQuery Mobile is not the mobile version of jQuery"
- jQuery = easy JavaScript functionality (accessing elements, JSON, etc.)
- jQuery Mobile = easy mobile UI features (transitions, touch-friendly layout)
- You need both in your HTML file!

jQuery Mobile

- Compatible with everything
- Only uses HTML5 code (for what you'll need)
- You can use it in conjunction with your CSS
- Why is it called jQuery Mobile if it doesn't use JavaScript
- Because it's stupid
- Also because it has some extra JS features

UI in HTML5

- Inline data attributes
- e.g. <div **data-role = "content">**
- You will implement all functionality in the HTML itself
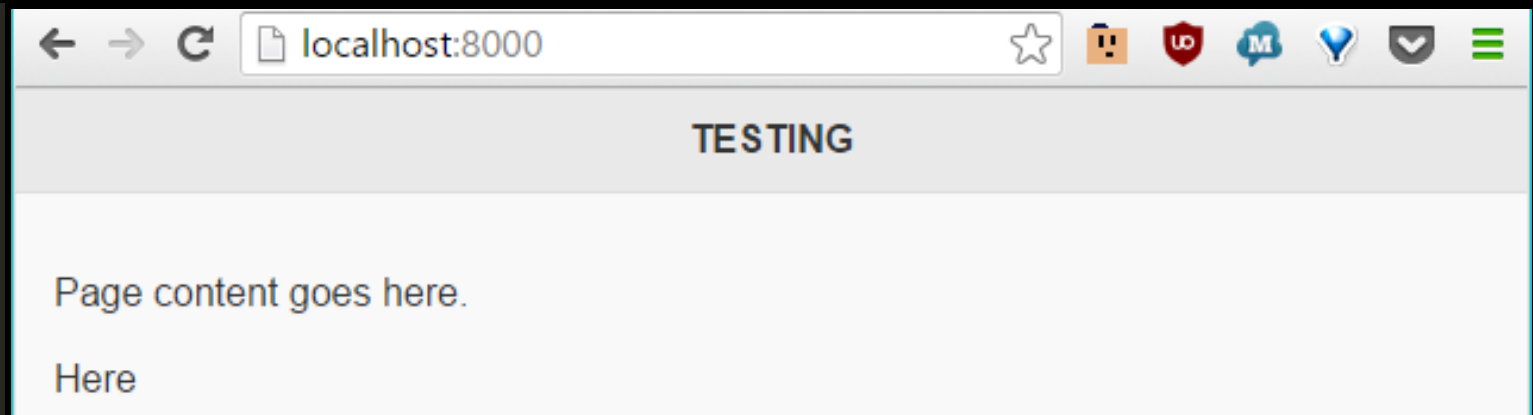
Data-Role

- Determines the type of content and the UI to accompany it
- Use in HTML like <div data-role="header">
- Possibilities include "header", "footer", "content", "listview", "navbar", etc.
- Many options here:
- http://demos.jquerymobile.com/1.2.0/docs/api/data-attributes.html

Starter Page

TEST PAGE

Page content goes here.

Here

- **Acura**
- **Audi**
- **BMW**

Google

Button

Footer

OPEN: index-starter.html

1. Use Data-Role to Renovate the Page

from Left

TEST PAGE

Page content goes here.

Here

- [Acura](#)
- [Audi](#)
- [BMW](#)

[Google](#)

Button

Footer

to Right

TEST PAGE

Page content goes here.

Here

Acura	›
Audi	›
BMW	›

Google
Button

Footer
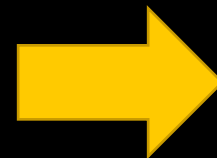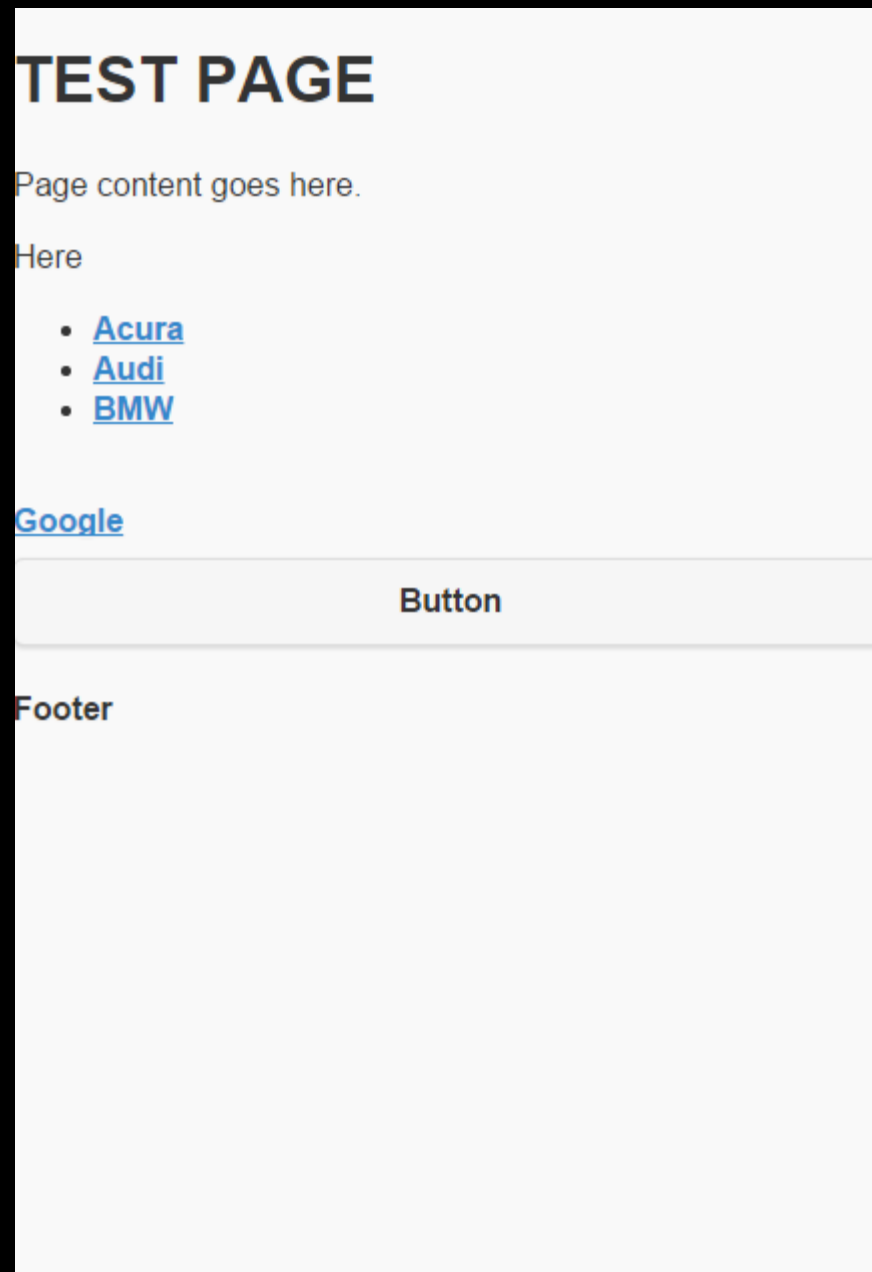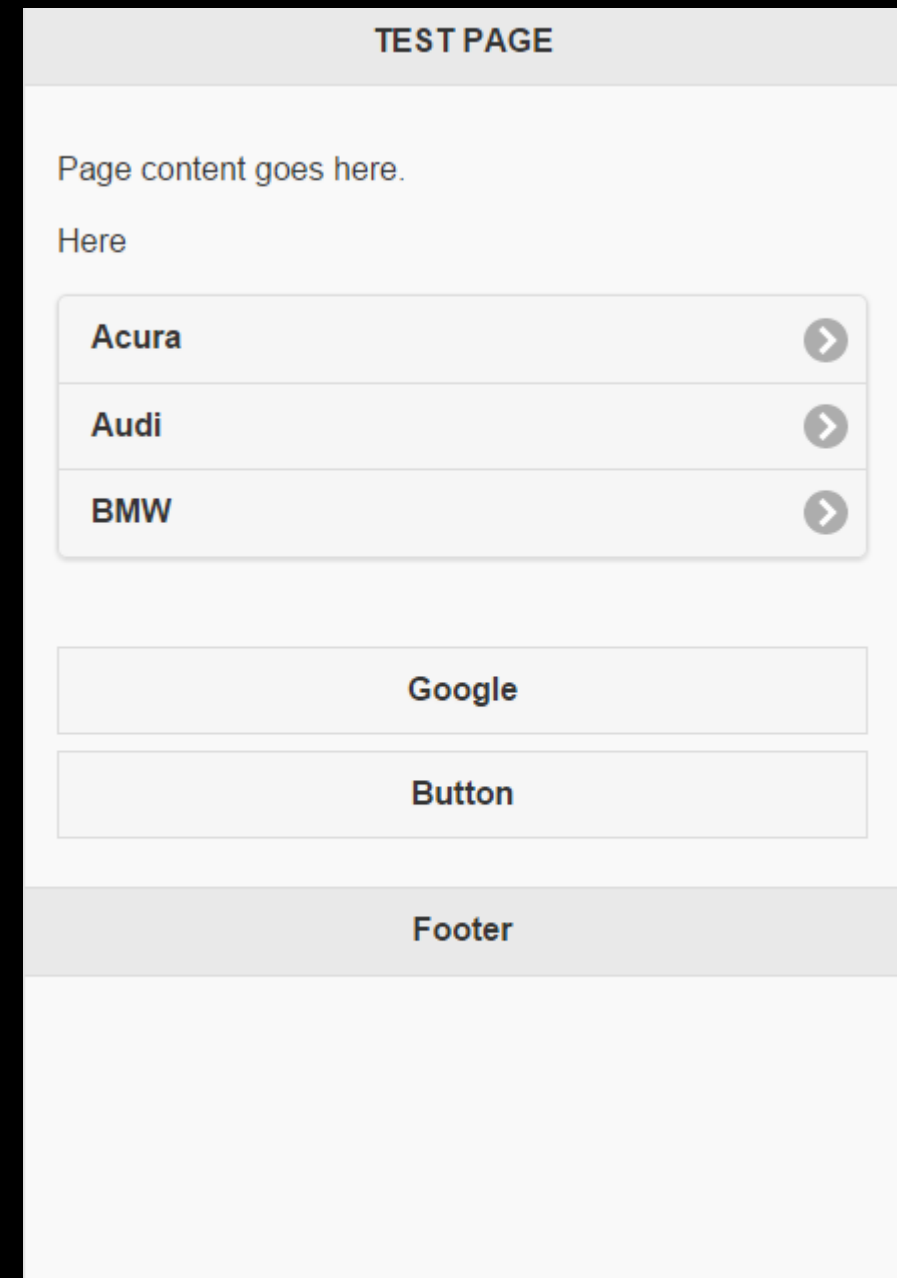
Stacking Pages

- You can have multiple mobile pages in the same HTML file
- Give each page a unique ID

```
<div data-role="page" id="contacts">
```

```
<div data-role="page" id="home">
```
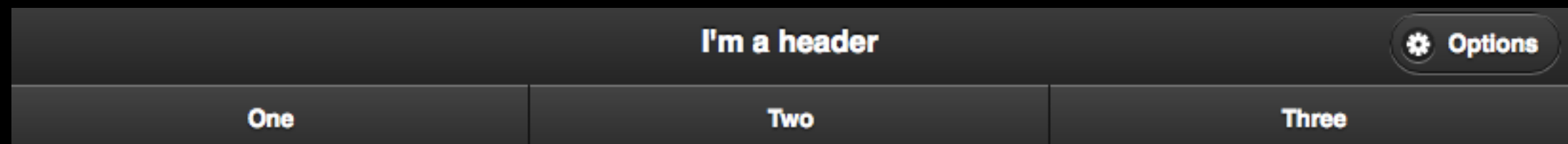
- Back button and/or navigation bar would be useful!

```
<a href="#home" class="ui-btn">Home (local link)</a>
```

- Hint: people like navbars

2. Add some pages and local links to your page.

3. Add a navigation bar to your page.

I'm a header   ⚙ Options

One	Two	Three

Buttons vs Links (Anchors)

- Links (with the <a> tag) go to other locations (internal or external)
- Buttons perform actions (e.g. forms, JavaScript events)

Transitions

- http://demos.jquerymobile.com/1.0a4.1/docs/pages/docs-transitions.html
- e.g. <div data-transition="slideup">
- Play around with these

Things We Haven't Covered

- Full feature list here: https://api.jquerymobile.com/
- You can change CSS, add event handlers and use special methods, and add some included icons
- The rest of this class is unstructured – use it to work on jQuery Mobile more with our help or meet with your teams about the upcoming assignment