

HTML Forms

INFO 253A: Frontend Web Architecture

Kay Ashaolu

What is a form (on-line)?

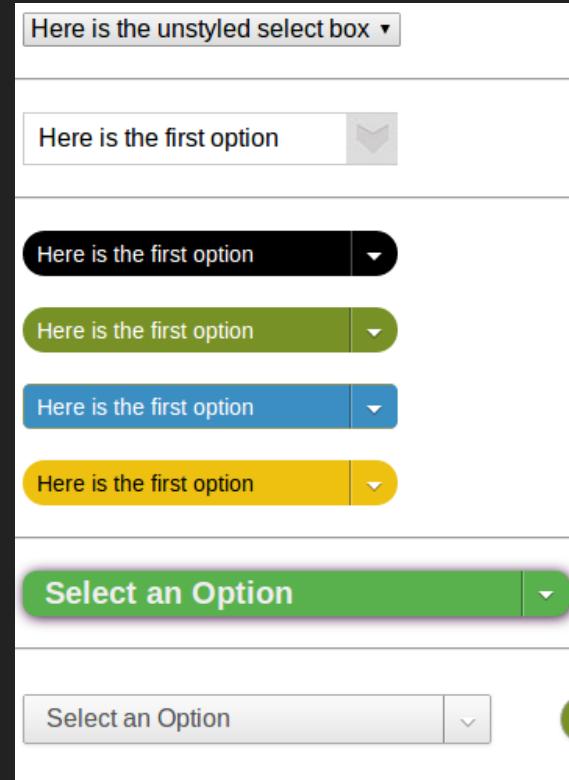
SurveyMonkey Form

Forms are everywhere

- Combining forms with JavaScript makes a site interactive
- Google Search

Forms are HTML

- Declarative
- Standardized
- Semantic
- Styled



Input Tag

- Signals we'd like to get data from the user
- What type of data?
- type attribute

Text Input Type

```
1 <form>
2   <input type="text" />
3 </form>
```

Submit Type

```
1 <input type="submit" />
```

CheckBox Type

```
1 <input type="checkbox" checked="checked" />
```

What does these form elements mean?

- Just add text next to the box
- Add an attribute to the tag
- Add text in a or <p>
- Add text in a <label> element that "references" the input

CheckBox Type

```
1 <input type="checkbox" value="enrolled" id="check-enrolled" checked>
2 <label for="check-enrolled">Enrolled?</label>
```

Radio Type

```
1 <input type="radio" name="mascot" value="bear" id="radio-bear">
2 <label for="radio-bear">Bear </label>
3
4 <input type="radio" name="mascot" value="cardinal" id="radio-cardinal" />
5 <label for="radio-cardinal" >Cardinal </label>
```

Select Type

```
1 <label for="state">State:</label>
2 <select name="state" id="state">
3     <option value="CA">CA</option>
4     <option value="OR">OR</option>
5     <option value="NY">NY</option>
6 </select>
```

Hidden Type

```
1 <input type="hidden" name="page" value="2">
```

HTML5 types

- color, tel, email, datetime, url
- Provides validation as well as default styling
- HTML5 Reference

```
1 <label for="color">Color: </label>
2 <input type="color" name="color" id="color" /> <br />
3
4 <label for="email">Email: </label>
5 <input type="email" name="email" /><br />
```

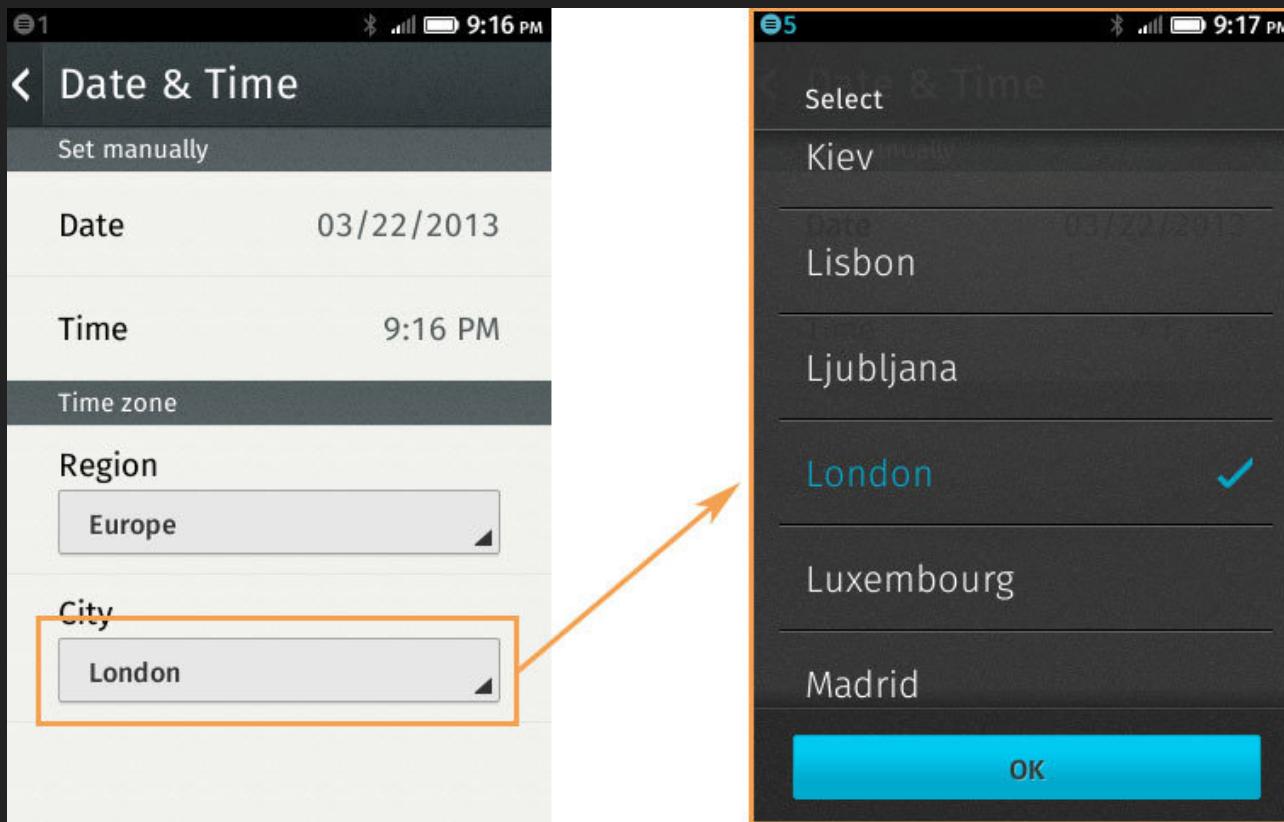
Let's look at a complete form

```
1 <form method="GET" action="http://www.google.com/search">
2     <input type="text" name="q" value="">
3     <input type="submit" value="Google Search">
4 </form>
```

Form Design

- Goal: make it easy to provide information
- Use the appropriate input elements
- Use CSS to style elements to better set context

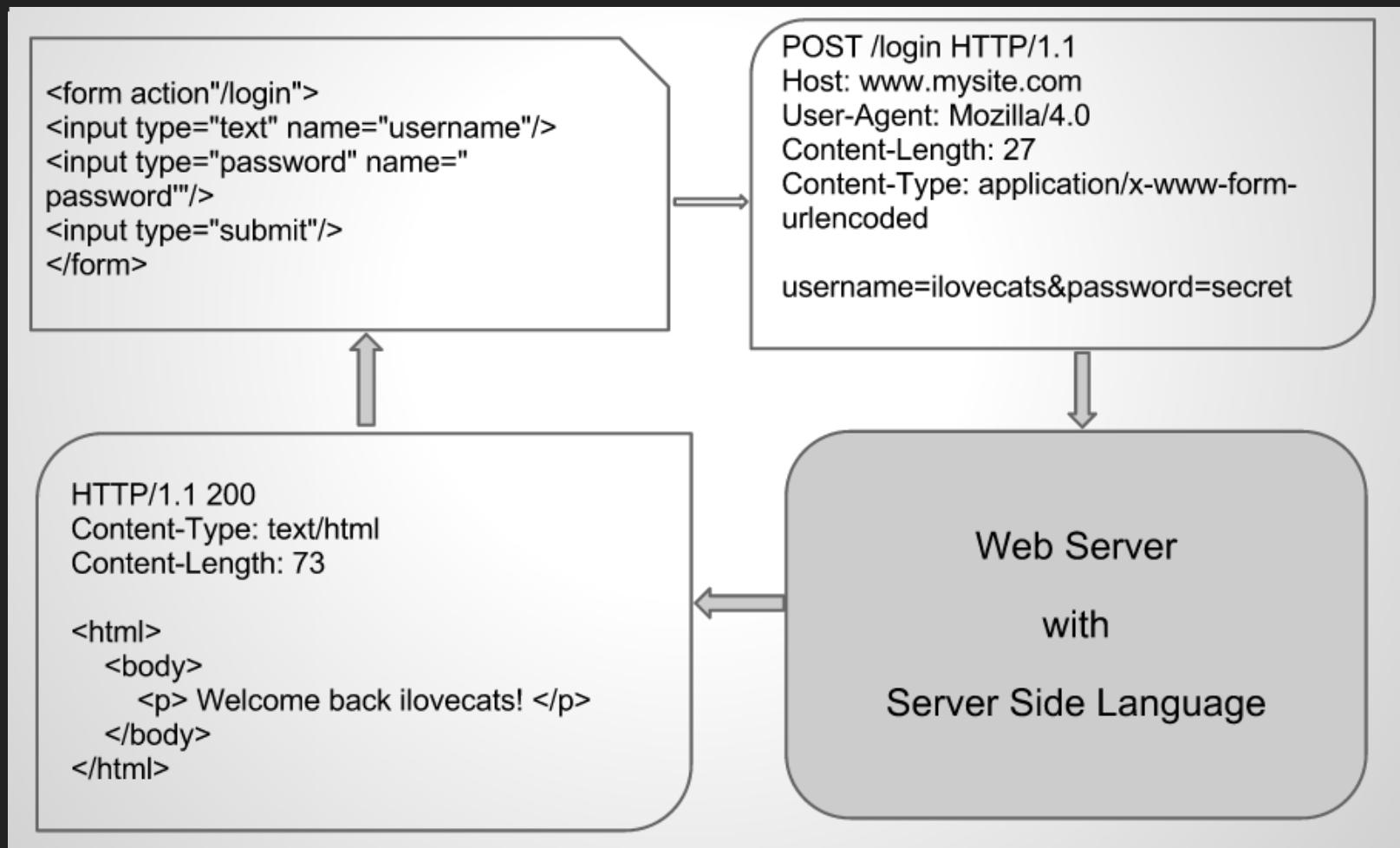
User Interface Differences



Example Search Widget

- Github!

Overview



Improvements (browser side)

- Interactivity!
- Give users instant feedback
- Use content in forms immediately on the browser

JavaScript!

- Write imperative style code specific to your site
- No interaction with a server required
- Run by the browser

Questions?