CS142

Project 4 - Get Rich or Die Trying - Making Money on the Web, the Black Hat Way
Overview

• Not much new stuff that needs to be covered
• Thinking about the Browser, Forms, and HTTP
• Some things about overlaying HTML elements
• Some things about form events
What Does a Browser Do?

- Browsers essentially take user input and convert to HTTP requests.
- Take HTTP responses and use that to display information for users.
- Imagine the Internals, have a mental model
Browser Mechanics

- When I type google.com into the address bar, what happens?
  - Submits an HTTP GET request

- What happens when I submit a form?
  - Depends on `<form method={GET|POST}>`

- What does the URL look like?
Form Submission

- Form with two text input fields with names “name” and “pass”
- http://google.com/?name=cs142&pass=50cent
- Above is GET, a POST would only show http://google.com/
- Use LiveHTTPHeaders to look at the HTTP requests/responses, what the browser is doing.
Overlaying HTML Elements

• z-index: set the depth order of an element
  • Higher z-index means it’s in front
• How do you overlay two HTML div’s?
  • Use position: absolute;
  • Elements have default z-index of 0
More Javascript Events

• Forms have submit buttons, clicking on it by default triggers a submission event.

• `form.onsubmit = function(e) { alert("Get Rich"); }`
  
  • This will `alert()` then submit the form when submit button is clicked

• `e.preventDefault()` will stop the form from being submitted. Stops default actions.