## **Outline**

- Part 1 Reintroducing Hypermedia
  - A Reintroduction To Hypermedia
    - Why Hypermedia?
    - When Should You Use Hypermedia?
    - What Is Hypermedia?
    - Hypermedia Strikes Back
    - Summary
  - REST And All That
    - Where Did The Term REST Come From, Anyway?
    - Does REST mean JSON?
    - An Overview of Chapter 5 of Roy Fieldings Thesis
    - The Uniform Interface
    - HATOEAS
    - Summary
  - · Contact.App
    - A Simple Contact Management Application
    - What Stack To Use?
    - Contact.App Functionality
    - Listing Contacts
    - Adding Contacts
    - Viewing Contact Details
    - Editing Contacts
    - Deleting Contacts
    - Searching Contacts
    - Summary
- Part 2 Building Modern Hypermedia Applications
  - htmx: A Hypermedia-oriented Library
    - introduction
    - htmx & REST
    - triggering requests with htmx
    - targeting elements with htmx
    - parameters with htmx
    - history support with htmx

- Summary
- Implementing UX Patterns With htmx
  - Active Search
  - Inline Editing
  - Infinite Scroll
  - Bulk Editing
  - Lazy Loading
  - Summary
- Extending htmx
  - Understanding the htmx event model
  - Hooking into events
  - Understanding the htmx extension model
  - An example extension
  - Summary
- Advanced htmx
  - Web Sockets
  - Server Sent Events
  - Animations
  - Debugging
  - Security Concerns
  - Configuration
- Other Hypermedia Libraries For The Web
  - Unpoly
  - Hotwire
  - jQuery
  - VanillaJS
  - Summary
- Hyperview: A Mobile Hypermedia
  - Who says hypermedia is only for the web?
  - Getting Started with Hyperview
  - HXML vs HTML
  - Navigation
  - Pull to Refresh
  - Tabs
  - Forms

- Advanced Forms
- Event Dispatch
- Case Studies
- Scripting In Hypermedia Applications
  - Are Scripts Still allowed? (Yes!)
  - Hypermedia-oriented Scripting
  - Hyperscript
  - Alpinejs
  - Vanillajs
  - Summary
- JSON Data APIs In Hypermedia Applications
  - Are JSON APIs Still allowed? (Yes!)
  - The Differing Characteristics of JSON and HTML/REST APIs
  - Separating Concerns: The Good Parts
  - Summary
- Hypermedia: A Return To The Web's Roots
  - Trends in Software Development
  - Complexity Sells, Simplicity Endures
  - Summary