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To connect to wireless

1. Choose Uguest in the wireless list

2. Open a browser. This will open a Uof U website

3. Choose Login



# Client Side Frameworks

	Prohibitions	Authority	Founder	Texts
Christianity				
Judaism				
Islam				
Hinduism				
Shinto				
Buddhism				

# Buddhism

- ▶ Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- ▶ Praesent ullamcorper lectus euismod luctus feugiat.
- ▶ Mauris purus justo, ullamcorper et sapien eget, pellentesque cursus nulla.
- ▶ Suspendisse vitae ornare nulla.
- ▶ Etiam vel felis tristique, posuere nisl at, bibendum est.
- ▶ Nullam hendrerit urna est, et cursus nunc cursus in.
- ▶ Nam dictum eu nisi nec ornare.

# todos

☐ *What needs to be done?*

☐ Get some milk

☒ ~~Wash the dog~~

☒ ~~Take a shower~~

☐ Prepare code camp session

2 items left

All

ActiveCompletedClear completed

<http://todomvc.com/>

# Vanilla JS

- ▶ September 1995 by Brendan Eich backed by Netscape
- ★ Speed!
- ★ Smallest framework available
- ★ NOT an MVC framework, but everything you need to make one
  - ▶ Code

# Backbone

- ▶ September 2010 by Jeremy Ashkenas backed by Document Cloud
- ▶ First of the frameworks

★ Classes

★ Collections

★ Reusable Components

- ▶ Bindings between html and model

- ▶ Rendering of views

★ It's a JS world

# KnockoutJS

- ▶ June 2010 by Steve Sanderson (Not Microsoft)
- ★ Two directional data binding
- ★ Declarative syntax in HTML
- ★ Observable pattern, even extending to computed values



# Angular

- ▶ January 2010 by Google. Super popular in early 2013
- ★ A whole application framework
- ★ Dependency Injection
- ★ Declarative templating
- ★ Two way binding with no explicit notification system or special objects
- ★ Components (aka directives invokes form HTML)

# Ember

► April 2011 as an offshoot of SproutCore. Authored by Yehuda Katz.

- ★ Convention over configuration
- ★ Logic-less templates
- ★ Two directional data binding
- ★ Declarative syntax
- ★ Components
- ★ Controller intermediates view and model

# React

- ▶ Made public on May 2013 by Facebook
- ★ UI only. The V in MVC
- ★ Virtual DOM & JSX
- ★ Components
- ★ One way data flow (From state to view, but not other way around)

# Mithril

- ▶ March 2014 by Leo Horie
- ★ Small (5 Kb gzipped) and fast
- ★ Watches properties, not whole models
- ★ Virtual DOM
- ★ Definitions aren't special , really, nothing, except routes

# Polymer

- ▶ October 2012 by Google
- ★ Widget Library using Material Design
- ★ Components (Called, Defined)
- ★ Element is the API (Try it)
- ▶ Web Components
  - ▶ <link rel="import"/> Demo
  - ▶ Shadow DOM

# Future Frameworks

- ▶ AngularJS 2.0
- ▶ Aurelia

# Walk Aways

- ▶ Data binding is big
- ▶ Declarative is big
- ▶ Components are big