**Goals**

* Increase **usability** of an existing product - DVR (digital video recorder) remote
* Continue practicing:
  + design for problem solving
  + Project: definition, planning, and deliverables
* Create **low-fidelity sketching**
* Create a **high-fidelity prototype**

**Background**

Remote controls are notorious for their lack of usability. Too many buttons arranged poorly with inconsistent designs. Today many apps exist - search "remote control" in any app store - to convert mobile devices into touch-screen remote controls. The best apps take advantage of the new interface and the infinite screen space. The worst apps simply mirror physical remotes.

[Time shifting](http://en.wikipedia.org/wiki/Time_shifting) has changed our viewing habits

* [Apple Remote app](http://www.apple.com/apps/remote)
* [5 Apps for your Phone](http://gizmodo.com/5982909/5-apps-to-turn-your-phone-into-a-universal-remote)
* [Direct TV App](http://www.directv.com/technology/mobile_apps/dvr_scheduler) ## Part I: Project Definition

**Research. Define Problems. Try Solutions.**

Research to define the objectives of the project. Gather as many physical remotes as possible. Begin to list the requirements in ranked order of importance and usage. Create a new Wiki paged named DVR App Research for this content.

* Add your research this starter [DVR App Research wiki](https://github.com/vcd/p2-dvr-app/wiki/dvr-app-research)
* Problem solve for these DVR features:
  + Standard Controls: Power, Volume +/-, Channel +/-
  + Playback Controls: Play, Pause, Record, Fast Forward, Rewind, Mute, etc.
  + DVR Shows (time shifting): View and play recorded shows
  + Program Browsing: View current & future shows

**Part II: Sketching**

Sketch. Iterate. Repeat.

Keep asking: What problem am I solving?

* Download paper [user flow sitemap template](https://db.tt/nYYyr2n4). Be fast. Iterate often.

**Part III: Prototyping**

Create a high fidelity prototype using Photoshop (or equivalent) to mockup screens. Use Balsamiq to connect screens, demonstrate solutions, and share project.

* Download [Teehan+Lax](http://www.teehanlax.com/tools/iphone/) iPhone Template
* Create high fidelity screens using Photoshop (or equivalent)

Create Balsamiq project named DRV Remote.

* Upload screens from Photoshop (or equivalent). Connect (build) a prototype that demonstrates your design solutions.

**Setup & Submission Due:** Jan 30, 2015 at 5:00 pm

1. **Lo-Fi** —Hand in paper sketches in provided folder sketches
2. **Hi-Fi** **(On Canvas)**
   1. GitHub p3-dvr repo URLs
      1. Project Definition wiki
      2. Research wiki
   2. URL to Balsamiq medium fidelity with Balsamiq UI
      1. <https://computerssuck93.mybalsamiq.com/projects/p3-dvr-remote/grid>
   3. URL to Balsamiq high fidelity prototype with TeeHan+Lax UI
      1. <https://computerssuck93.mybalsamiq.com/projects/p3-dvr-remotehi-fidelity/grid>