**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**

Turn in the Lo-Fi items and complete submission form for Hi-Fi items by **Mon. Oct. 27 at 1pm**

1. **Lo-Fi**
   1. Paper sketches for Part II: Sketching
2. **Hi-Fi**
   1. Fill out [submission page](https://manikoth.typeform.com/to/SVtktq) with the appropriate links
   2. [Hi-Fi Submission](https://manikoth.typeform.com/to/S9GMm4)
   3. Part I Hi-Fi: wiki page
   4. Part III Hi-Fi: link to shared to InVision app project