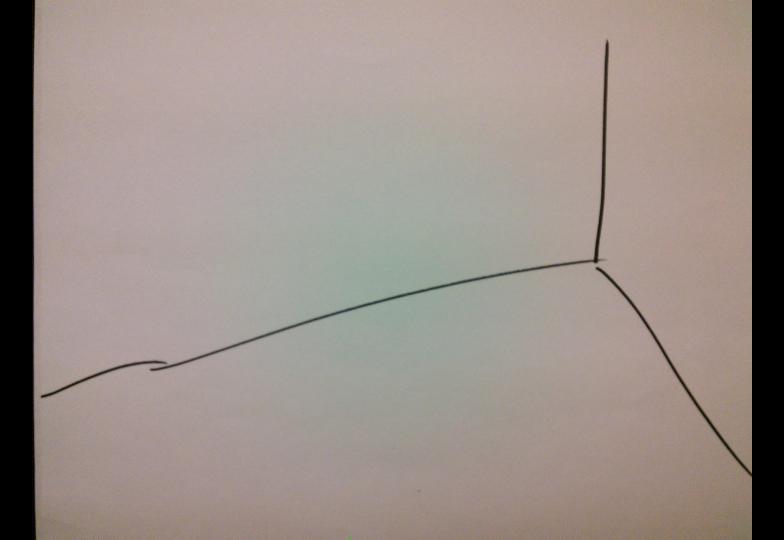
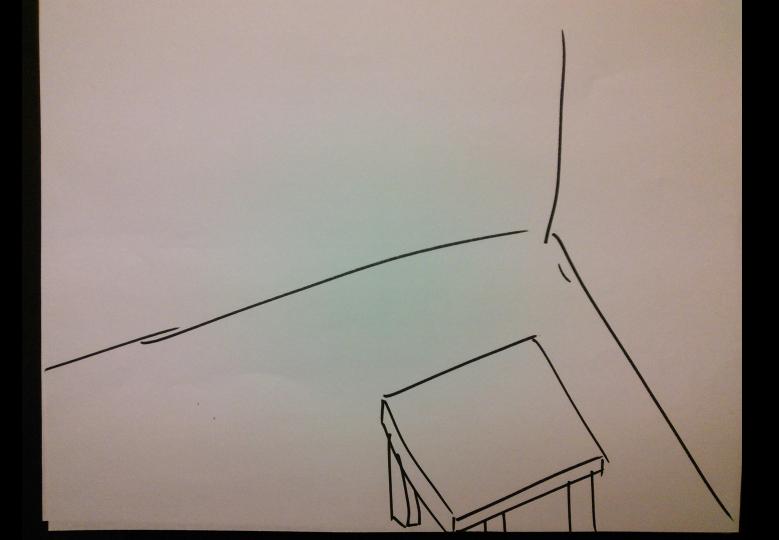
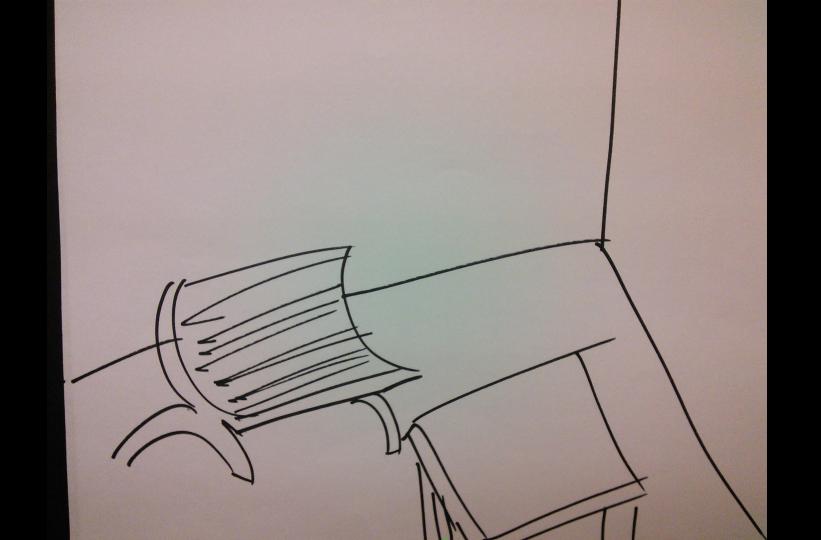


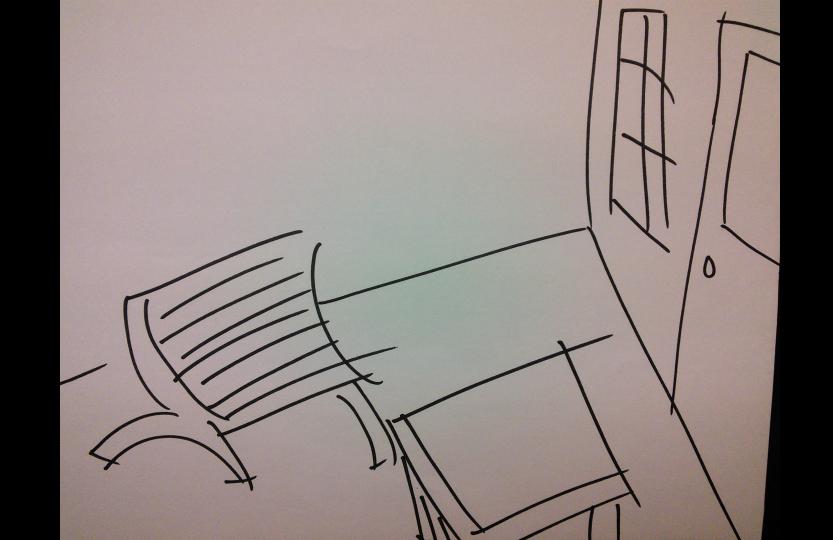
## The Room



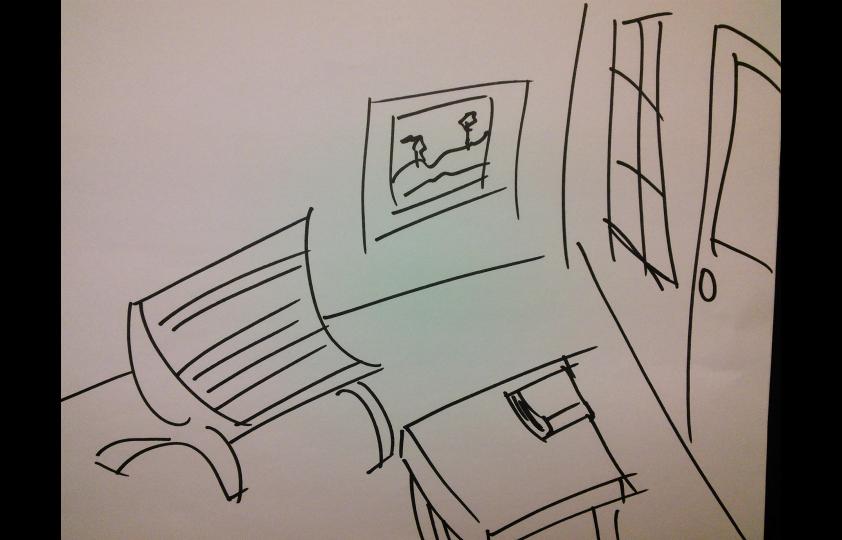


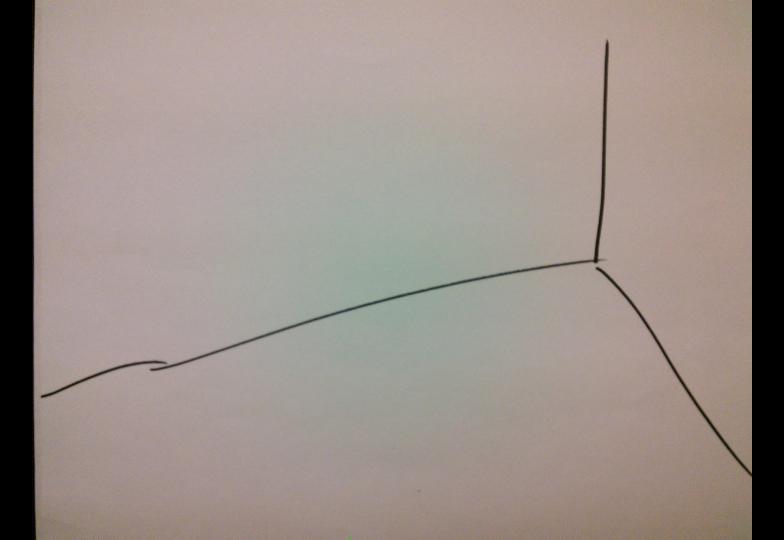


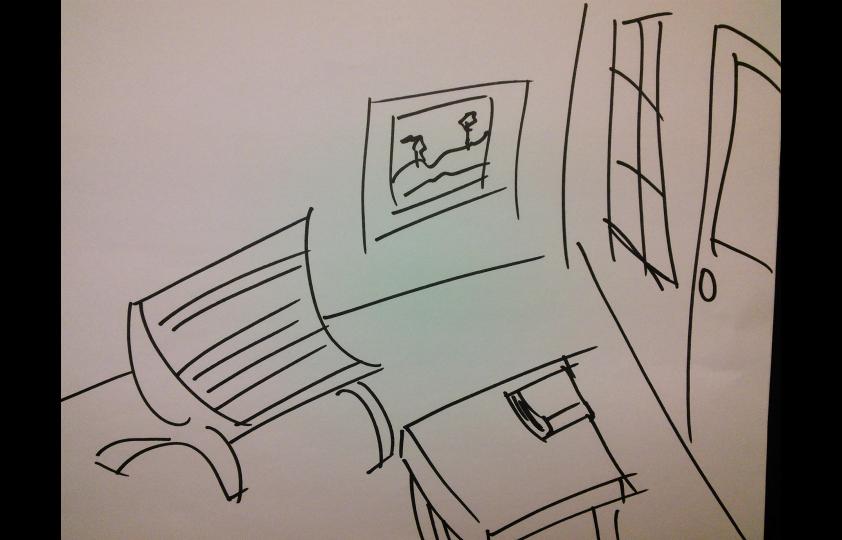








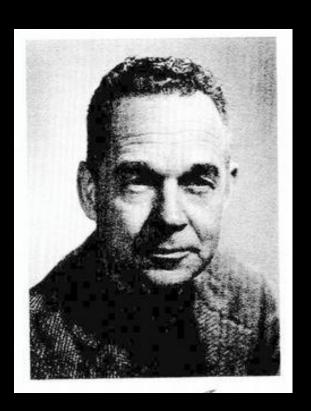




# This room has no meaning - it has lots of possibilities

[Gibson] defined affordances as all "action possibilities" latent in the environment, objectively measurable and independent of the individual's ability to recognize them, but always in relation to agents and therefore dependent on their capabilities.

-- Wikipedia



### The Dance

### Bizcoder

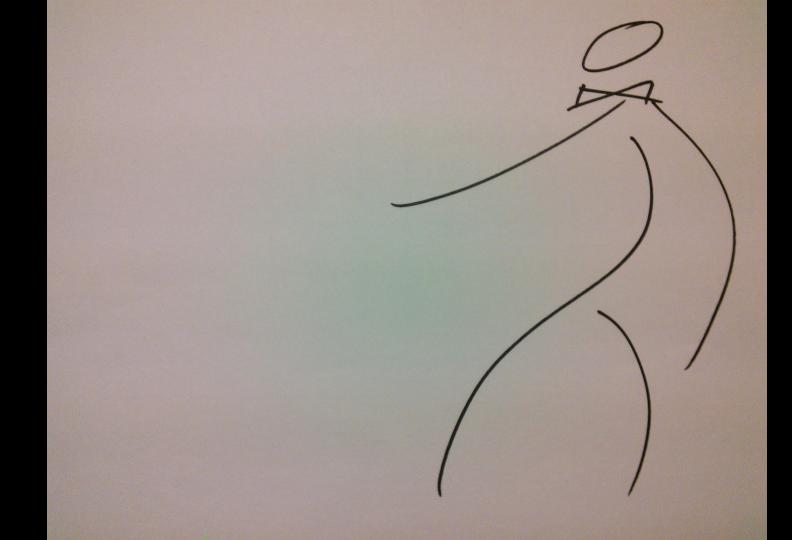
# Hypermedia as the engine of application state, the client-server dance

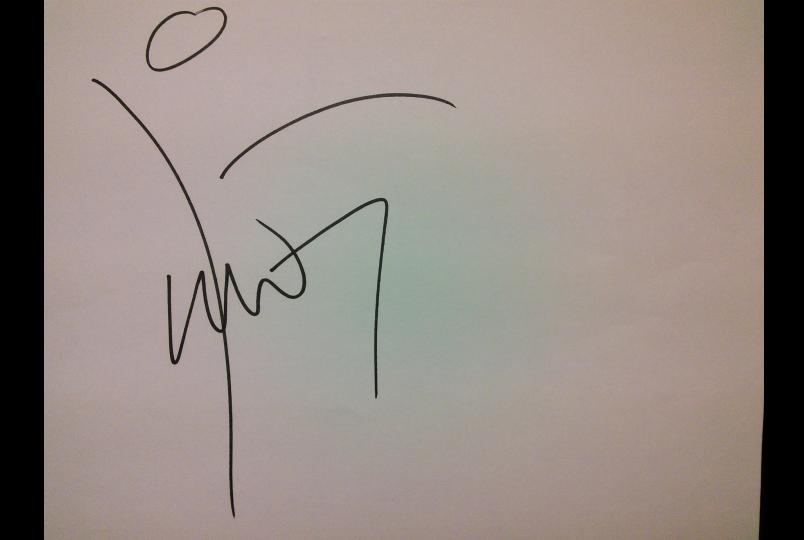
We are currently seeing a significant amount of discussion about building hypermedia APIs. However, the server side only plays part of the role in a hypermedia driven system. To take full advantage of the benefits of hypermedia, the client must allow the server to take the lead and drive the state of the client. As I like to say, it takes two to Tango.

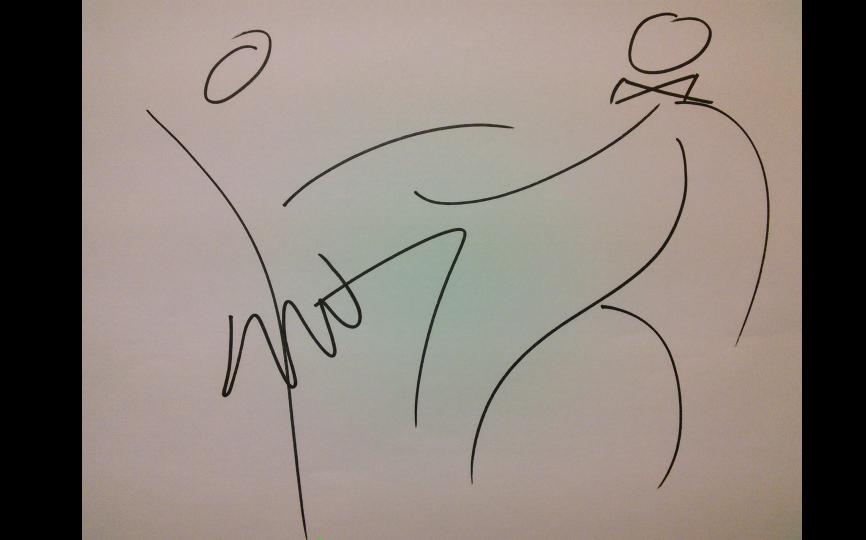
#### So you think you can dance?

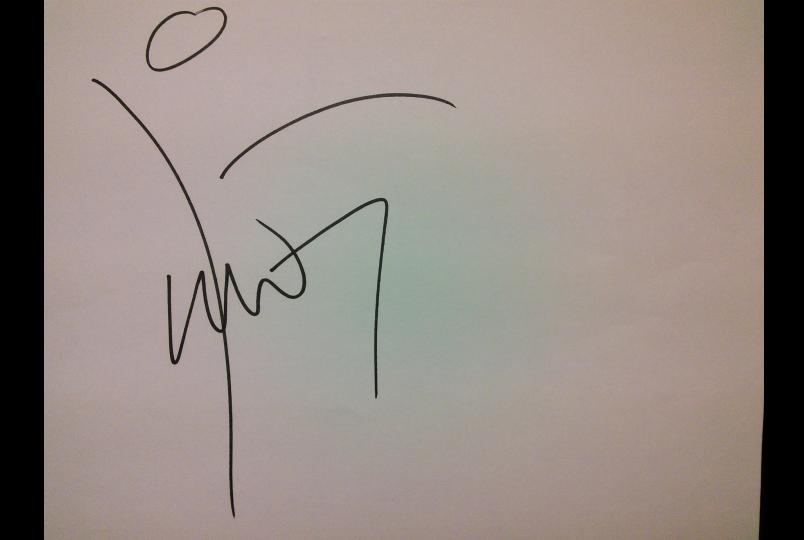
Soon after I was married, my wife convinced me to take dance lessons with her. Over the couple of years we spent taking lessons, I learned there were three types of people who join a dance studio. There are people who want to get better at dancing, there are couples who are











# Hypermedia can elevate the partnership to a collaboration

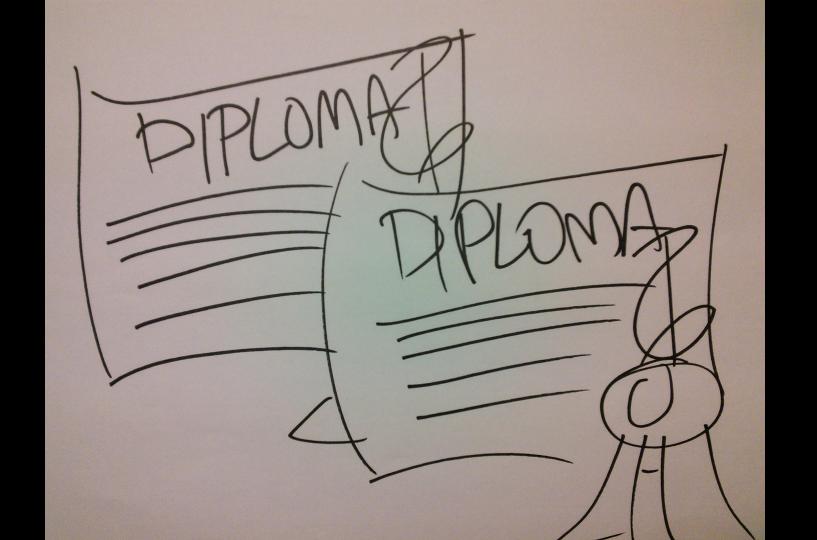
"The client simply follows the lead of the server and trusts the server to provide it the necessary guidance."

-- Darrel Miller







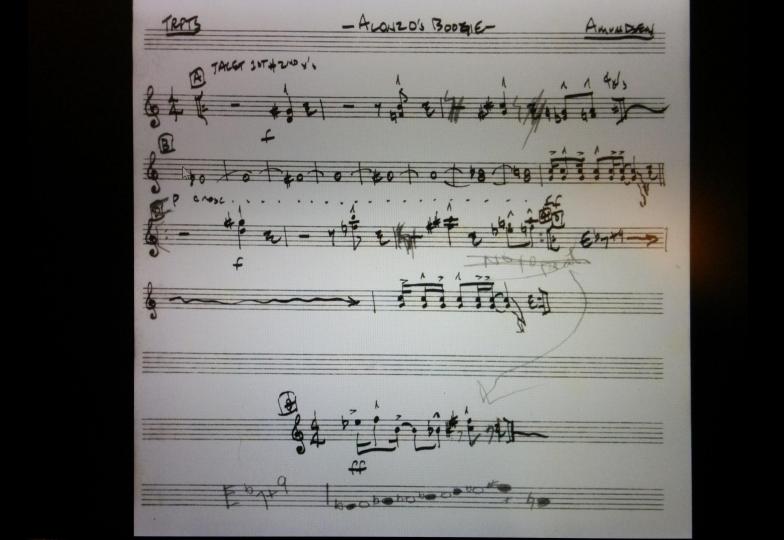


## The Music

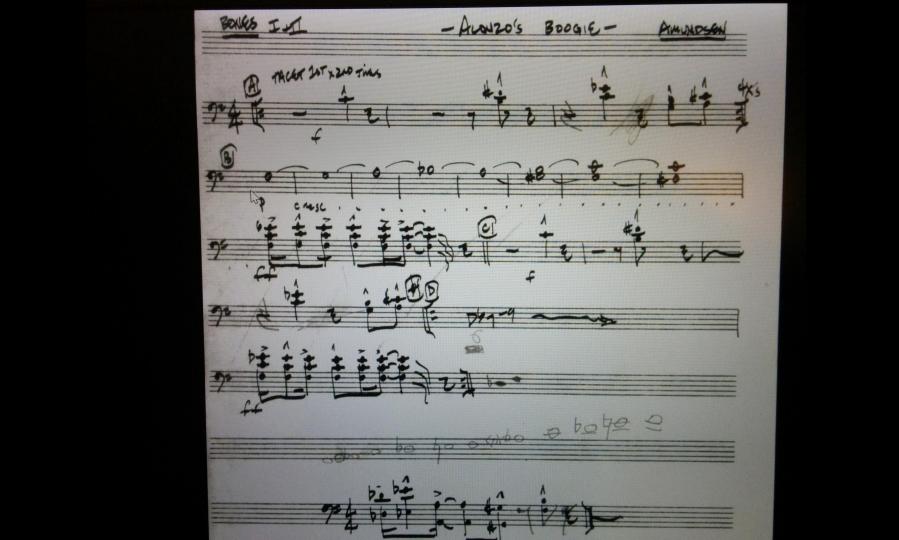


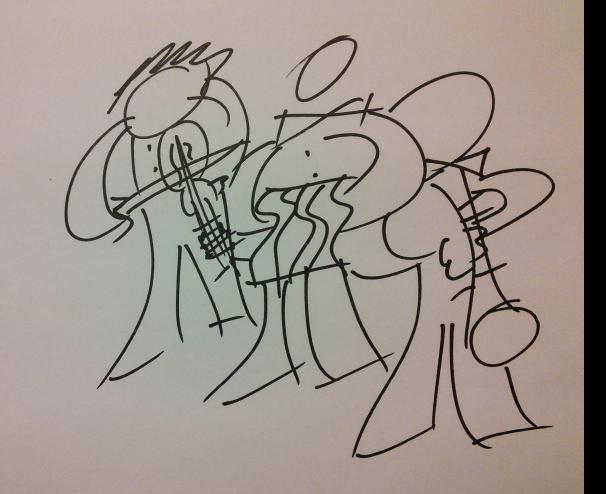


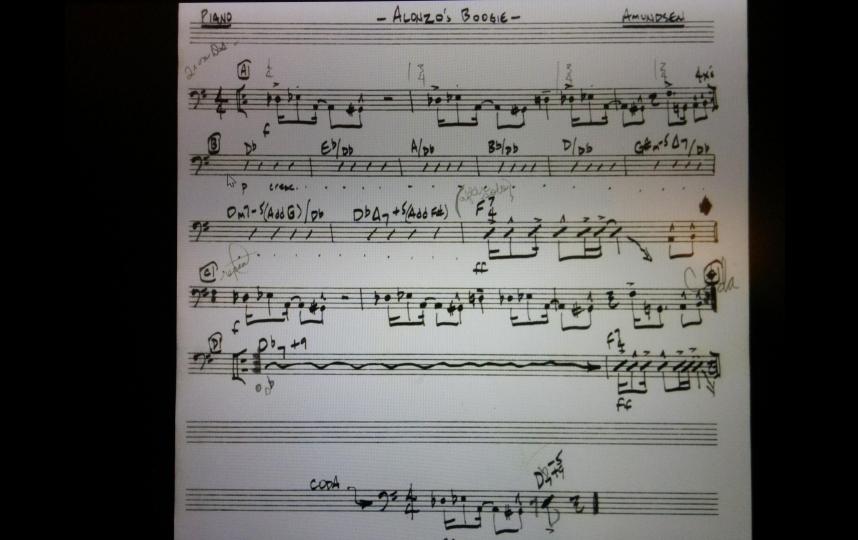


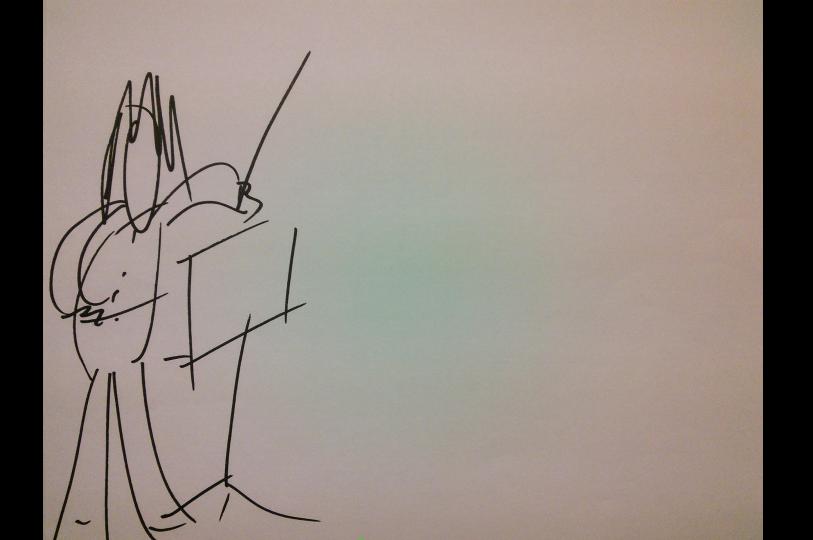




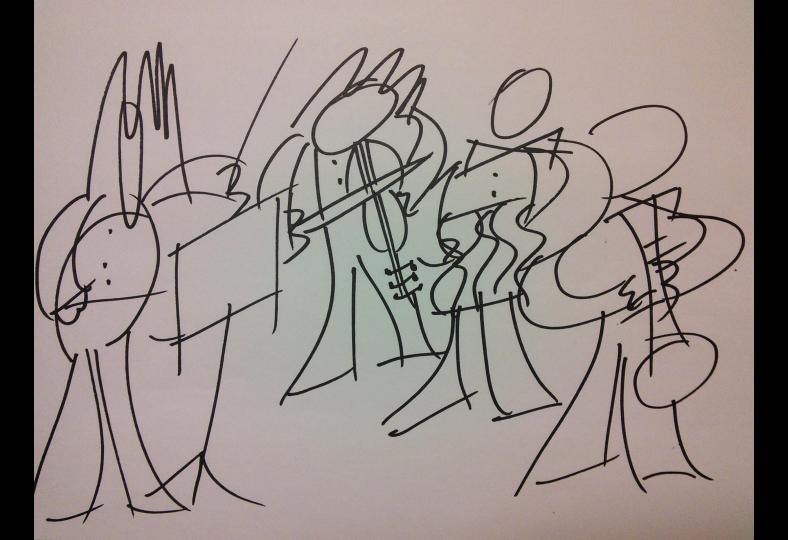




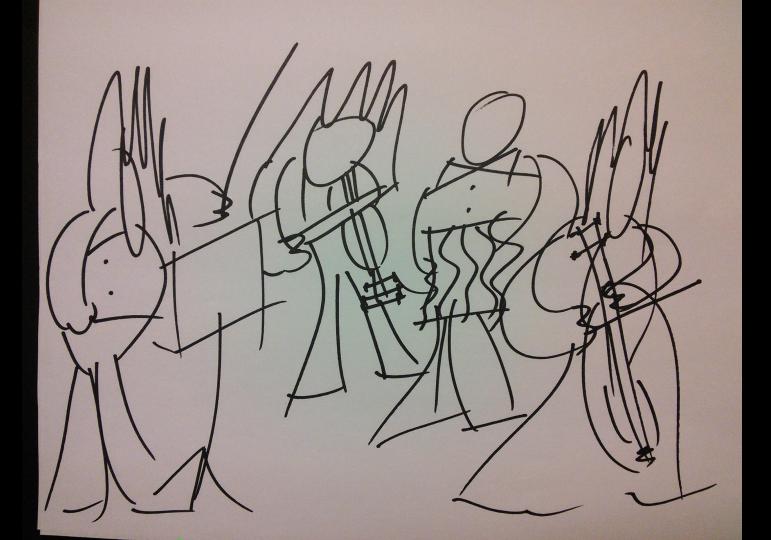




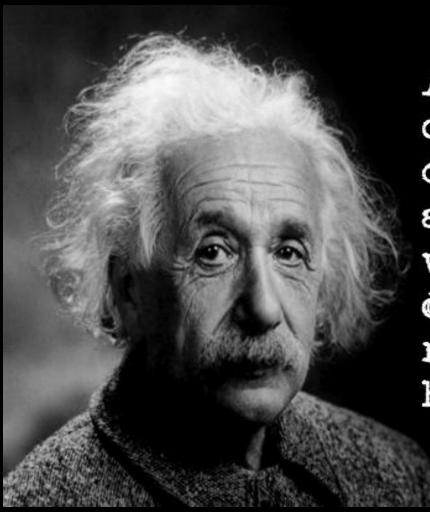
BASS BONE -ALON 20'S BOOGLES AMUNDSON (40) SAX-Bone-Fishe 54000







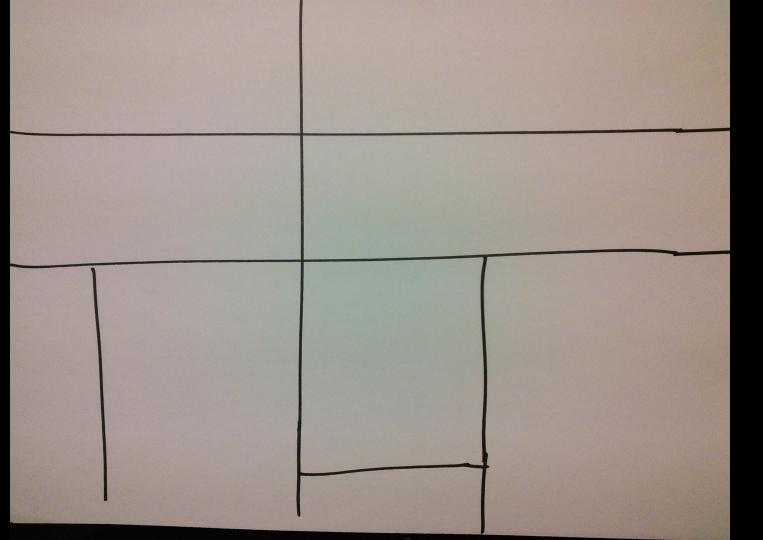
Jazz compositions provide a shared understanding for cooperative selfexpression



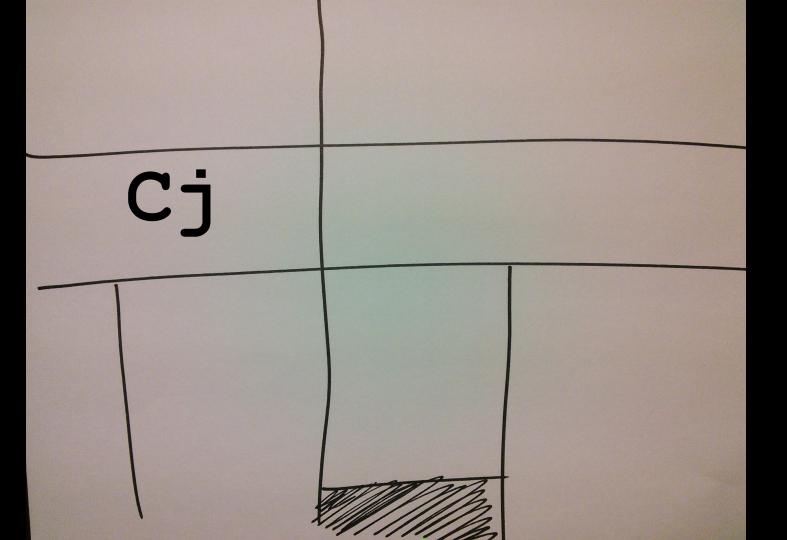
A table, a chair, a bowl of fruit and a violin; what else does a man need to be happy?

- Albert Einstein
www.quotesworthrepeating.com

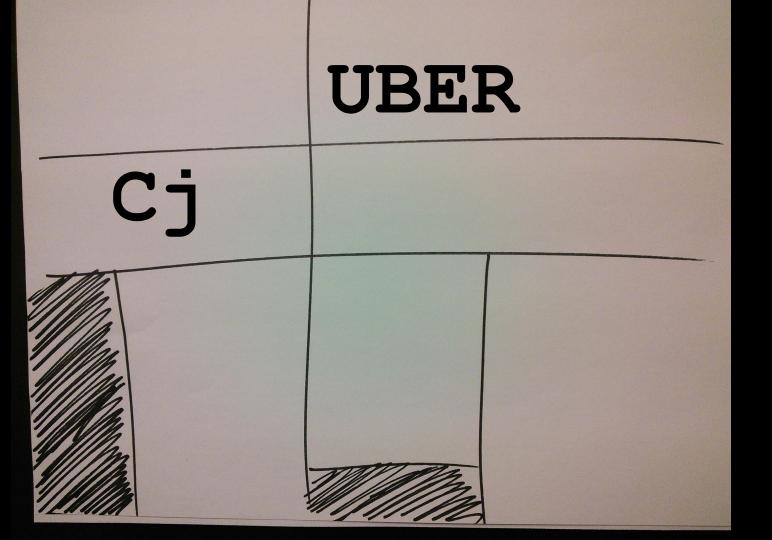
## The Art



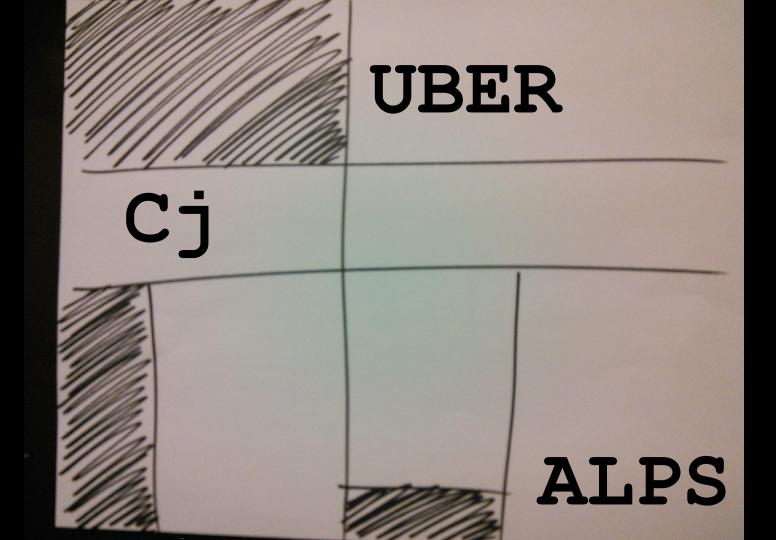
```
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        <data rel="self" url="http://example.org/"/>
         <data rel="profile" url="http://example.org/profiles/people-and-place</pre>
    ▼<data id="people" rel="collection http://example.org/rels/people" url
             <data name="create" rel="http://example.org/rels/create" url="http://example.org/rels/create" url="http://example.org
              {givenName}&f={familyName}&e={email}&a={avatarUrl}" action="append",
             <data name="search" rel="search collection" url="http://example.org,</pre>
              {givenName}&f={familyName}&e={email}"/>
         ▼<data name="person" rel="item http://example.org/rels/person" url="!
                   <data name="givenName">Mildred</data>
                   <data name="familyName">Amundsen</data>
                   <data name="email">mildred@example.org</data>
                   <data name="avatarUrl" url="http://example.org/avatars/1" transclu</pre>
                   accepting="image/*">User Photo</data>
             </data>
         ▼<data name="person" rel="item http://example.org/rels/person" url="]
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                   <data name="familyName">Amundsen</data>
                   <data name="email">mildred@example.org</data>
```



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   "href": "http://example.org/friends/",
   "links" : [
     {"rel": "feed", "href": "http://example.org/friends/rss"}
   ],
   "items" : [
       "href": "http://example.org/friends/jdoe",
       "data" : [
         {"name" : "full-name", "value" : "J. Doe", "prompt" : "Full Name"},
         {"name" : "email", "value" : "jdoe@example.org", "prompt" : "Email"}
       "links" : [
         {"rel": "blog", "href": "http://examples.org/blogs/jdoe", "prompt": "H
         {"rel": "avatar", "href": "http://examples.org/images/jdoe", "prompt"
      },
       "href": "http://example.org/friends/msmith",
       "data" : [
         {"name" : "full-name", "value" : "M. Smith", "prompt" : "Full Name"},
         {"name" : "email", "value" : "msmith@example.org", "prompt" : "Email"}
       "linke" · [
```



```
▼<alps version="1.0">
  <doc format="text">A list of contacts</doc>
  <!-- a hypermedia control for returning contacts -->
 ▼<descriptor id="collection" type="safe" rt="contact">
    <doc>simple link/form for getting a list of contacts</doc>
   ▼<descriptor id="nameSearch" type="semantic">
      <doc>input for search form</doc>
    </descriptor>
  </descriptor>
  <!-- a contact: one or more of these may be returned -->
 ▼<descriptor id="contact" type="semantic">
   ▼ <descriptor id="item" type="safe">
      <doc>link to individual contact</doc>
    </descriptor>
    <descriptor id="fullName" type="semantic"/>
    <descriptor id="email" type="semantic"/>
    <descriptor id="phone" type="semantic"/>
  </descriptor>
 </alps>
```

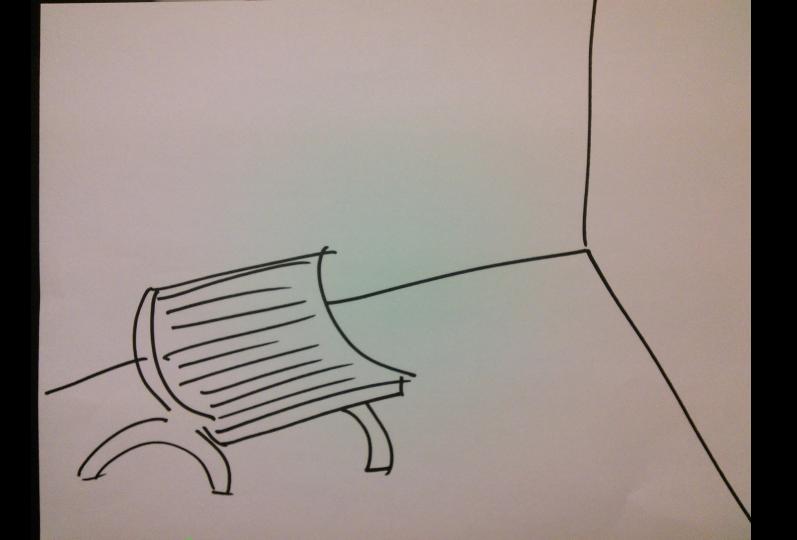


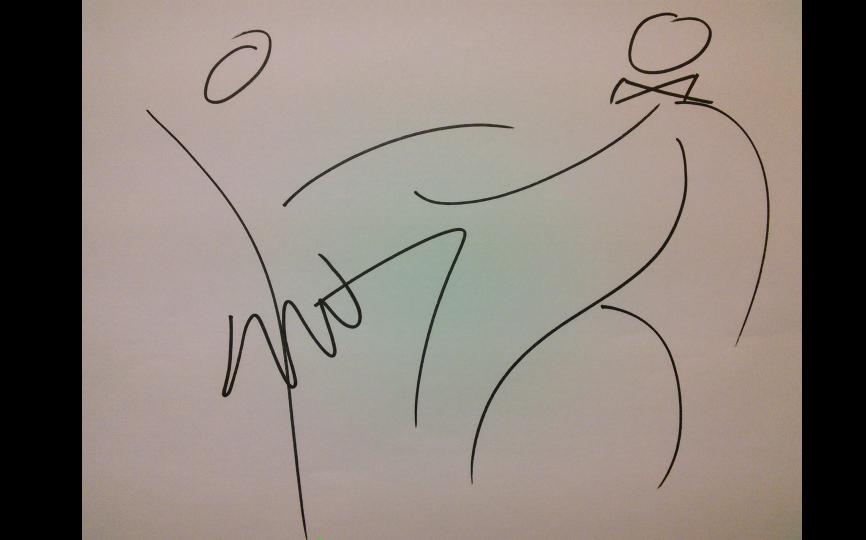
One of the goals in my hypermedia designs is to foster cooperative selfexpression

"When I say hypertext, I mean the simultaneous presentation of information and controls such that the information becomes the affordance through which the user (or automaton) obtains choices and selects actions." -- Roy Fielding

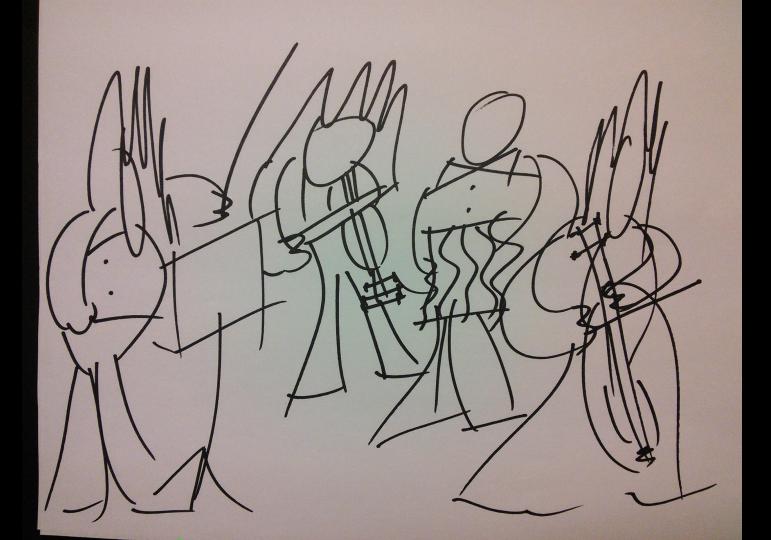


## So...









"The value of a welldesigned object is when it has such a rich set of affordances that the people who use it can do things with it that the designer never imagined."



## -- Donald Norman

