

Design starts with users

UXL | User Experience Lab

March 2017

Good design



Is it pretty icons?















Nice colors?

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       if (line!=''){
         if ($('lastmove')) Element.remove('lastmove');
          if (line.index0f(' ') == -1){
            move_number++;
            tr = Builder.node('tr',{id:'lastmove'});
          else
            tr = Builder.node('tr',{});
          td = Builder.node('td',move_number+'. '+line);
          tr.appendChild(td);
          $('moves').appendChild(tr);
       while (res.length != 0){
         lineChange = res.indexOf('\n');
          line = res.substr(0,lineChange);
                                      inge OCE
          if (lineChange+1 > res.leng
          else res = res.substr(line
          change(line);
     function change(line){
       var l = line.substr(0,1);
       var c = line.substr(2,1);
       var piece = line.substr(4,1);
       var prefix = piece.toUpperCase()==piece?'w':'b';
       if (piece == '.') $('square_'+l+'_'+c).innerHTML= '';
88
89
       else {
          $('square_'+l+'_'+c).innerHTML = '<img alt="'+prefix+piece+'" class="piece" id="piece_'+l+'_</pre>
if (g_player=='black' && prefix == 'b') new Draggable('piece_'+l+'_'+c,{});
          if (g_player=='white' && prefix == 'w') new Draggable('piece_'+l+'_'+c,{});
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     function onTimer(gam_id, player){
       new Ajax Request('lastmove php' {parameters:'game='+gam id+'&player='+player opSuccess:move}
```

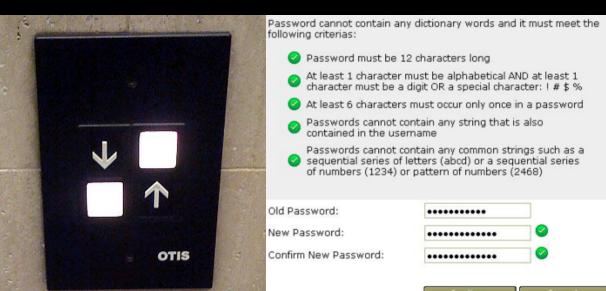
Tillechange - res. indexor(\langle \langle \), line = res.substr(0,lineChange); res = res.substr(lineChange+1);







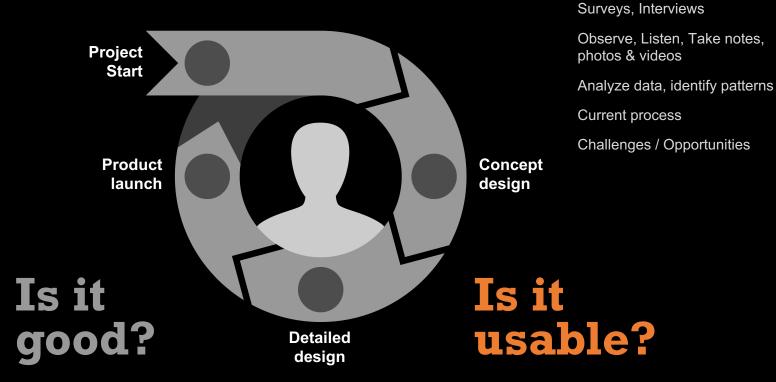
Why do we care?





User-Centered Design Process

What do your users need?



Field test alpha release with actual users

Collect usage data and feedback

Correct usability defects

Collect ideas for future improvements

Sketch

Prototype

Test

Rapid prototyping

Test your designs in small parts, it's okay to test only one flow (e.g. login)

- Testing too much at once can be overwhelming to both users and testers

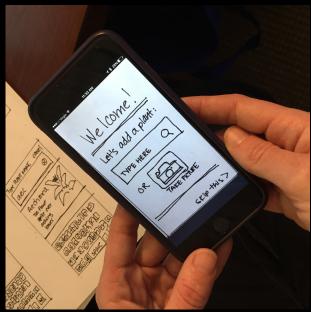
Quickly sketch your screens; Spend more time on iterating than on making things perfect

Increase the level of fidelity as your design evolves

- 1. Paper prototypes
- 2. Sketches assembled in low fidelity digital tool
- 3. Clickable wireframes (not shown here, using a free tool like Justinmind)



Use your paper sketches as the interface



Use a tool to test your sketches on a device

Testing your prototype

Test early, test often!

You don't have to test lots of people, there are few surprises after a few — 5 to 8

Find realistic participants

(Screen by age: <u>students</u>, gender: <u>M/F</u>, location: <u>n/a</u>, need/interest: <u>plant care</u>)

Prepare a script so you know what questions to ask, and you are consistent in your testing

Don't test for more than one hour

Takes notes, photos and/or video so you can refer back to the test in the future to analyze your data (or use a tool like Marvel for video)

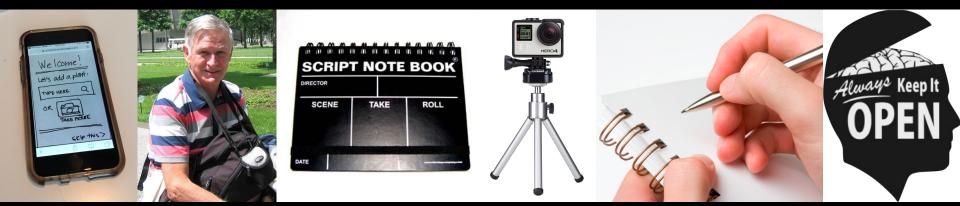
Document your findings

- Prioritize what to keep in your product
- Things that need to be improved

Note-taking materials

Write down ideas for future releases

What you will need:



Prototype Participants Script

Be ready for the unexpected...

Sample Script-Introduction

Hi	, my name is <u>Julie</u>	and I am going to	walk you through	n this session
today.				

Thank your for offering your time. We are asking people like you to try an iPhone application to help people better care for their house plants. We want to get your input to better understand what is working well, and what is not working well with this app. The session should take approximately 5 minutes. If you need or want to stop at any time, that's ok. Just let me know.

Let me tell you how this will work: I will ask you to do something on this app and I will observe how you do it. Please talk out loud as you perform these tasks: say what you are looking at, what you are trying to do, what you are thinking about. This will be a big help to us.

I want you to know that **we are not testing you, we are testing the application**. There is no right or wrong way of using it. Also please **don't worry about hurting my feelings**. We want to improve this app and appreciate your honest feedback.

If recording- If it's ok with you, **I would like to record this session** in case we need to refer to parts of this session in the future. No one else except for the people working on this app will have access to this recording. Is that ok?

Ok, we are ready to start. Do you have any questions?

Sample Script- Test

☐ Give the participant the plant

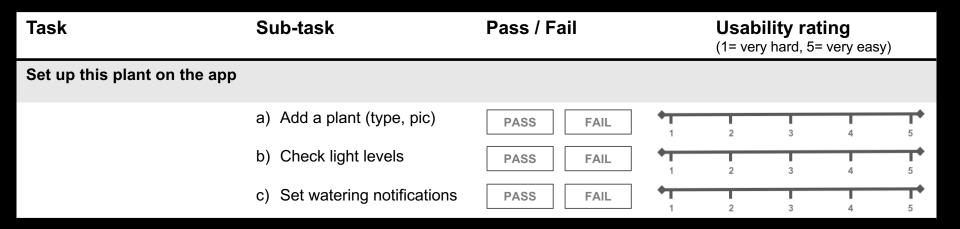
You have brought this plant for your home. Tell me what you would normally do when you bring it home from the store?

How do you know that you have placed it in the best location to receive the right amount of light?

How do you know how often to water it?

This application is meant to help you take care of your plants.

☐ Give the participant the phone





Who are we?



UXL is a user experience and design firm focused on helping clients develop innovative and usable solutions to complex product user interface and information problems.









































