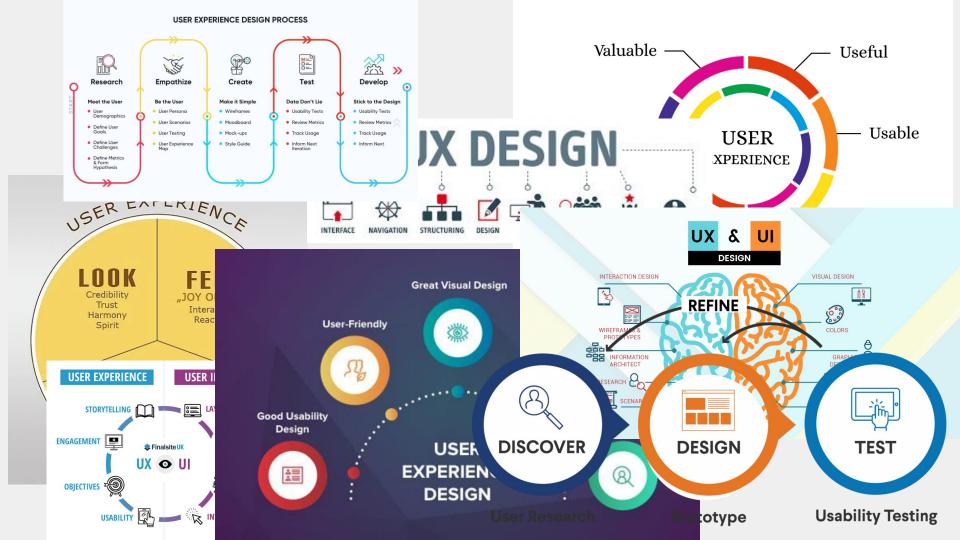
how to design good*

Christine Imogu & Helen Yang

The User Experience (UX) & The User Interface (UI)



Things to Consider

Aesthetics (Font, Formatting, etc.)

If only there was a way we could emphasize it.

graceful parent informal wistful contemporary hand-authoritative crafted playful personal friendly PLAYFUL personal STRONG

Visuals



Audio



Styling / Theming

Do you have a consistent theme? Does it fit the idea?

NOIS Y GENERATED MUSIC

ADD TO DISCORD





HOME COMICS CHARACTERS SHOP FUN ABOUT NEWS



Introducing A Very Special Collaboration:

HELLO KITTY





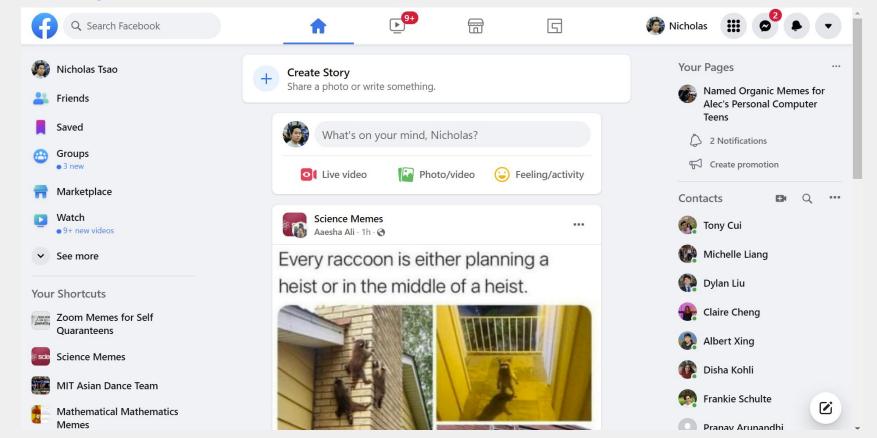




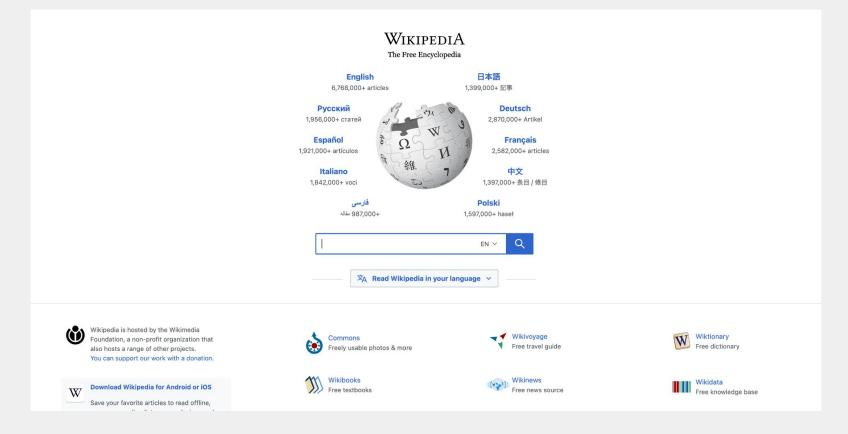


Website Flow

Example: Infinite Scrolling Feed



Example: Main Screen



Intuitive Use / Control

Do buttons make sense? Is it obvious to click them?

Please enter your phone number:

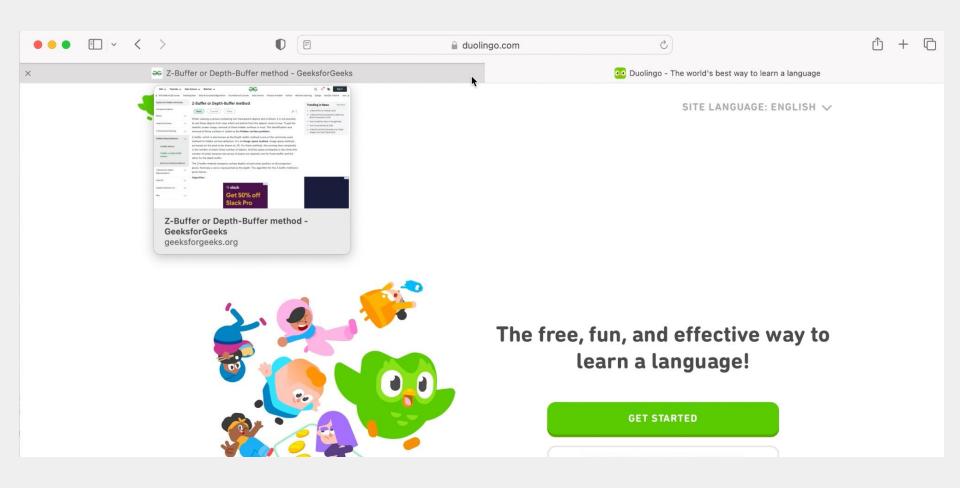


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Responsiveness

Do users feel like they are in control?

Example: Styling hover and click



JS Event Loop & Asynchronous Functions:

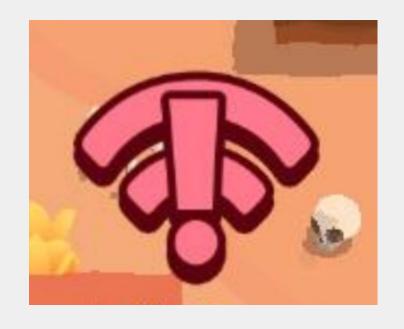
Avoid the Circle of Doom





Handling Edge Cases *

Bad internet connections



What if you close the tab at random times? Does your progress save? Does it break?

User



What if you open web pages that should only be accessed in certain ways?



What if you leave the tab open too long and it logs you out?

What if you open multiple tabs of the same page?



And more...

Try to think of every way to break your app

Lag & Optimization

(Braum): Ping is 182 ms (Braum): Ping is 1964 ms (Braum): Ping is 99644 ms (Braum): Ping is 145199354 ms (Braum): Ping is 235623671256963544 ms (Braum): Ping is 99992036290362906209426023221481ms

How do we fix this?

Minimize unnecessary & repetitive computations



Bundle communication into packages



Client should do as much as it can without server communication



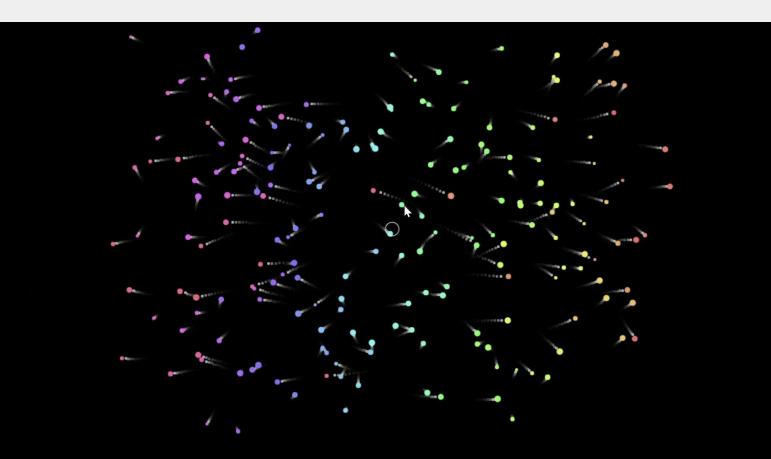


```
// there was an old tab open for this user, force it t
   // FIXME: is this the behavior you want?
   oldSocket.disconnect();
   delete socketToUserMap[oldSocket.id];
 userToSocketMap[user. id] = socket;
 socketToUserMap[socket.id] = user;
const removeUser = (user, socket) => {
 if (user) delete userToSocketMap[user._id];
 delete socketToUserMap[socket.id];
nodule.exports = {
 init: (http) => {
   io = require("socket.io")(http);
   io.on("connection", (socket) => {
     console.log(`socket has connected ${socket.id}`);
     socket.on("disconnect", (reason) => {
       const user = getUserFromSocketID(socket.id);
       removeUser(user, socket);
```

Feel

"It feels satisfying"

Animations, Particle Effects, Screen Shake, Vivid Colors, etc.



W Pusheen® THE CAT



Q

COMICS

CHARACTERS

SHOP

FUN

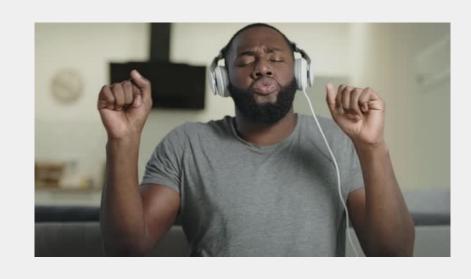
ABOUT

NEWS



Introducing A Very Special Collaboration:

HELLO KITTY



Sound / Music

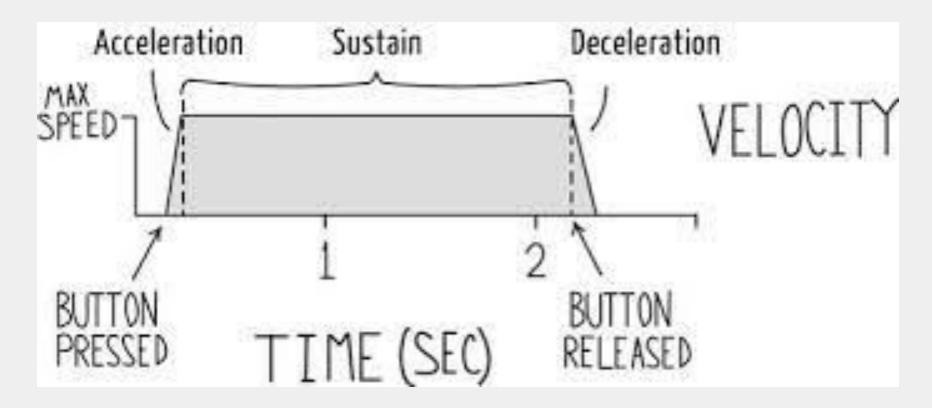
Fluid / Natural Movement



Example: Games



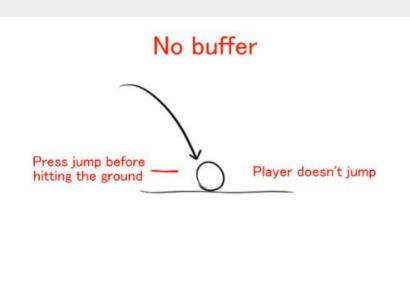
Movement Curves



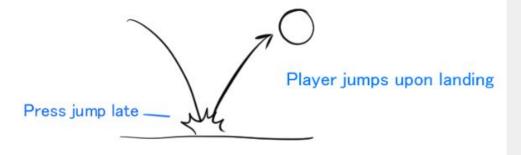
Input Buffers



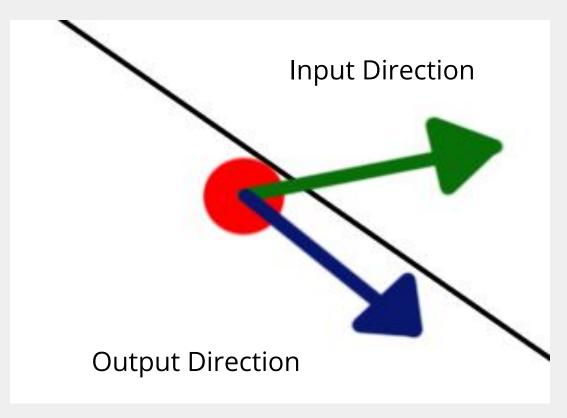
Input Buffers



Buffered input



Wall Sliding



Final Remark

It's easier to enjoy the idea when the implementation is good.

Have Fun!