6.148
Introduction to UI/UX
Victor Hung
Milestone 0

70 teams

700 ideas
Common Ideas

Travel Planner
Travel Suggestion Site
Travel Tracker
Location based Photos
Connect with people around the world
Food from around the world
Some ideas…

“a travel website”

“Snakebook - Facebook for pet snakes”

“a button that orders pizza for you from the closest pizza place”

“potato”

“doyouhaveyourpoassport.com?”
Some ideas…

“A website that generates ideas for you to submit for 6.148's "around the world" theme because 10 is way too many.”
Some ideas…

“app that generates architecture from around the world”

“This would be cool, but on a scale of hardness from an udon noodle to my abs it'd probably be around a steel plate.”
Some ideas…

“A website that generates ideas for you to submit for 6.148's "around the world" theme because 10 is way too many.”
6.148
Introduction to UI/UX

Victor Hung
UX vs UI?

User Experience is the overall experience of a person using a product.

User Interface design is the aspect of the interaction between the user and the product.
So that means…

User Experience = how the product feels
User Interface = how the user interacts with it
UX Designer
- Sketches & Wireframing
- Prototyping
- Research & User Testing
- Photoshop/Illustrator

UI Designer/Developer
- Prototyping
- High level mockups
- Implementation
- HTML/CSS

Delicious and Hunger Satiating
Worry-free assembly
Separation of meat juices and lettuce
Bread for easy holding
emotions
New York City, NY

Sort: Price: low to high

14829 results (with 381 popular on Wish Lists)

1. Beautiful Manhattan Apartment!!!!
   Entire home/apt — E 75th St, New York (Yorkville)
   $10 Per night
   1 review 8 other reviews

2. 2 KING SIZE BEDS E.22ST 9/15-11/1
   Entire home/apt — E 22nd St, New York (Gramercy Park)
   $10 Per night

3. Amzing 2 bedroom apt on Union Sq!!
   Entire home/apt — 4th Ave, New York (East Village)
   $10 Per night
   32 other reviews

4. Private room for single (sma)
   Private room — Riverside Dr, New York (Washington Heights)
   $17 Per night
   32 other reviews

5. Cultural & Language Immersion Room
   Shared room — Manhattan Ave, New York (Harlem)
   $18 Per night
ihtfp

Anonymous, real-time feels.
Now available at MIT.

Hey, what’s your kerberos?
SIGN UP

LOGIN

LEARN MORE
SUCCESS MESSAGE

USER

Woohoo! Finished this week’s campaign. Now I can enjoy the weekend.

USER’S FEELINGS

Relief
Pride
Joy
Anticipation

TIPS

✓ Pat these users on the back for getting a campaign out the door.
✓ They’re probably feeling happy and relieved—use casual language that encourages those feelings.
✓ Feel free to be funny.

MAILCHIMP

Fine piece of work! You totally deserve a raise.
What went wrong? I really need to get this campaign out.

**User's Feelings**
- Confusion
- Stress
- Anger

**Tips**
- Offer a solution or next step.
- Be straightforward. Explain what's going on right away.
- Be calm. Don't use exclamation points or alarming words like "alert" or "immediately."
- Be serious. Don't joke around with people who are frustrated.

**MailChimp**
We're experiencing a problem at one of our data centers. Our engineers are on the case, and will have things back to normal shortly.
Usability

can’t figure out what your website is for, they leave

can’t figure out how to use your website, they leave

if your website isn’t producing expected results, they leave

if your website is frustrating your user

THEY LEAVE
Elements of Usability

Effective
Efficient
Engaging
Error Tolerant
Easy to Learn
Elements of Usability

Effective
Efficient
Engaging
Error Tolerant
Easy to Learn
Learnability

ability of an interface to allow users to accomplish tasks on the first attempt.
copy and paste?


**TACHOMETER**

The tachometer indicates the engine speed, which is calibrated in increments of 500 rpm and extends to 8,000 rpm. The engine management system controls the tachometer, and a red warning light will illuminate on the tachometer when 7,500 rpm is achieved.

**CAUTION**

Do not allow the engine speed to exceed 7,500 rpm.

**FUEL GAUGE**

Indicates the quantity of fuel in the tank and is calibrated for SUPER UNLEADED FUEL. Switching off the ignition will reset the fuel gauge.
Efficiency

the speed at which tasks can be completed once learned
It’s fucking raining. now.

Fucking love in the sun.

You can look outside to get more information.
Error Tolerance

How well the product prevents errors and can help the user recover from mistakes.
Benefits?
Sign in to superteamawesome.slack.com

Enter your email address and password.

asdf@asdf.com
password

Sign in

Facebook Login

Please re-enter your password
The password you entered is incorrect. Please try again (make sure your caps lock is off).
Forgot your password? Request a new one.

Login as:
Victor Hung
victorhung92

Password:

Keep me logged in

Log In or Sign up for Facebook

Forgot your password?
Sign in to Myspace

Use Facebook, Twitter or your email to sign in. Don’t have a Myspace account yet? No worries, joining is easy.

Invalid email and/or password. Please try again.

EMAIL OR USERNAME
vhung@mit.edu

PASSWORD
**************

Forgot password? Keep me signed in

Sign In
web design

About 3,800,000,000 results (0.36 seconds)

Showing results for web design
Search instead for web desin

eBree Web Design, Cambridge & Wakefield MA | Web Design ...
www.ebree.com/
Bree, full-time Boston-area freelance web developer offers custom websites, expressionengine cms, optimization, seo blogs, mobile sites.
Use Cases

list of steps, typically defining interactions between a user and a system, to achieve a goal

From Use Cases to UI

Often paired with wireframes
Example Use Case

Snapchat

A snapchat user identifies a visually comical moment and chooses to share a photo of this moment to share with several of his friends.
Thinking about Interactions

Simplify
Pairing flow, 1

 CONNECT YOUR CAMERA

 CONNECT YOUR CAMERA TO THE GOPRO APP

 The first time you use your camera with the GoPro App you must connect the two devices.

 GET STARTED

 Already added your camera?

 HERO4

 HERO3+ AND OLDER

 CONTINUE

 Press and hold the Settings/Tag button until "Wi-Fi Mode" appears on the screen.

 The front LED on the camera begins to blink. Note: My device appears to have a broken front LCD; normally it would show WIFI status.

 SELECT CAMERA

 SEARCHING...

 GoPro 0190

 DON'T SEE YOUR CAMERA?

 PAIR MY CAMERA

 PAIR MY CAMERA

 PAIR MY CAMERA

 PAIR MY CAMERA

 TRoubleshooting

 There's an issue with the camera.

 Remove and replace the camera battery.

 Turn Wi-Fi off, then turn it on again.

 Reconnect to your camera's Wi-Fi network.

 Wi-Fi interference.

 Move away from other wireless devices.

 Camera out of range.

 Place your camera closer to your phone.

 GET MORE HELP

 This screen eventually appeared after multiple retries. I ended up having to reset the camera to continue (see flow, page 2).
http://6148teamclicker.meteor.com/
Question 1

Your clock is at 2:00pm. Your alarm is set for 9:00am.

hold down the SET TIME button
then click HOUR once
then release the SET TIME button

a. time displays 1:00pm
b. time displays 2:00pm
c. time displays 3:00pm

http://6148teamclicker.meteor.com/
Question 2

Your clock is at 2:00pm. Your alarm is set for 9:00am.

hold down the SET TIME button
then hold down the HOUR button for roughly 2 seconds (just before 2 seconds)
then release all buttons

a. time displays 3:00pm
b. time displays 4:00pm
c. time displays 5:00pm
d. time displays something past 5:00pm
Question 3

Your clock is set at 2:00pm. Your alarm is set for 9:00am.

hold down the SET TIME button
then hold down the SET ALARM button
then you click HOUR once
then release all buttons

a. time displays 3:00pm
b. alarm is now 10:00am
c. time is now 3:00pm, alarm is now 10:00am
c. nothing changes
How’d you do?

Revise!
Your clock is at 2:00pm. Your alarm is set for 9:00am.

hold down the SET TIME button then hold down the HOUR button when you release the SET TIME button…

a. the time you’re setting will continue incrementing upwards
b. the time you’re setting will stop at the time when you released the SET TIME button
Question 5

Your clock is set at 2:00pm. Your alarm is set for 9:00am.

hold down the SET TIME button
then hold down the SET ALARM button
then you click MINUTE button once
then release all buttons

a. time displays 2:01pm
b. alarm is now 9:01am
c. time is now 2:01pm, alarm is now 9:01am
c. nothing changes
Question 6

Your alarm is going off (currently set on LOUD) Meaning to turn the alarm from OFF to ON, you accidentally switch the sound from LOUD to SOFT instead

a. the noise coming from your alarm is now soft
b. the noise coming from your alarm is still loud
c. the alarm is off
d. the alarm is snoozed
How'd you do?

Revise!
Question 6

Your alarm clock by default is 9am. You manage to set your alarm for 10am. You turn your alarm clock to ON. You unplug your alarm clock. You wait a couple of seconds. You plug your alarm clock back in.

a. your alarm goes off at 9am
b. your alarm goes off at 10am
c. your alarm doesn’t go off at all
You go home for thanksgiving break. you forget your alarm is set for 9am. Your alarm begins going off at 9am.

a. your alarm shuts off after some time between 9am-10am
b. your alarm shuts off sometime within the 24 hours
c. your alarm never shuts off, and will continue annoying your neighbors for the rest of thanksgiving break
Done!
What did we learn?

Alarms are annoying
Edge cases are annoying
Iteration is key in design
Elements of Usability

Effective
Efficient
Engaging
Error Tolerant
Easy to Learn
After Lunch

1:00pm - 1:30pm Fundamental of Databases
1:30pm - 2:30pm Firebase: Building Realtime Applications with Firebase