## ITWD-362 WEEK 12

March 27, 2018



#### TONIGHT'S AGENDA

- Lab 7
- Ethics an User Behavior
- JavaScript Demo: Password Toggle
- HCI Guidelines you liked



### Lab 7



### Ethics



#### UBER AND BATTERY LIFE

You Need An Uber
But....





#### NEW SILCOM VALLEY INTRO...





#### DATABASE: WHAT CAN WE KNOW

- Location: GPS, Cell Tower Triangulation, Wi-Fi Networks pinged
- Browser History
- Bookmarks
- Calendar Events
- Contact List
- App Data
- Hardware Info
- Pictures/Video
- Banking Data



### ETHICS: CODIFIED MORALITY

There





#### PERSONAL ETHICS: WHERE?

Our personal morals turned into a code of behavior

#### Where do they come from?

- Parents
- Friends
- Religion
- Life experiences
- People we respect



#### WHY DO WE ACT INCONSISTENTLY?



Tweet: "Stop trying to politicize this tragedy for your gun control agenda!"

**Tweet:** "If we banned Muslim immigration this tragedy never would have happened!"



## PERSONAL VS. CORPORATE ETHICS

Corporate Ethics Are More Than the Founder's Codified Morals

- Set Employee Guidelines
- Establish Corporate Culture
- Advert for Company
  - To Employees
  - To Costumers
  - To Regulators
- Avoid Legal Problems

Business Ethics is the code of conduct imposed on an employee or a member of a certain profession

Personal Ethics is the code of conduct that govern an individual's whole life

Learned relatively later in life, specially after joining the work force

Learned from childhood; influenced by family, religion, friends and close surroundings

Examples include punctuality, time management, confidentiality, and transparency

Examples include honesty, openness, integrity, sincerity, etc.

Pediaa.com



#### LEGAL VS ETHICAL



Utah Nurse Cites
Hospital Ethics Protocol
Link



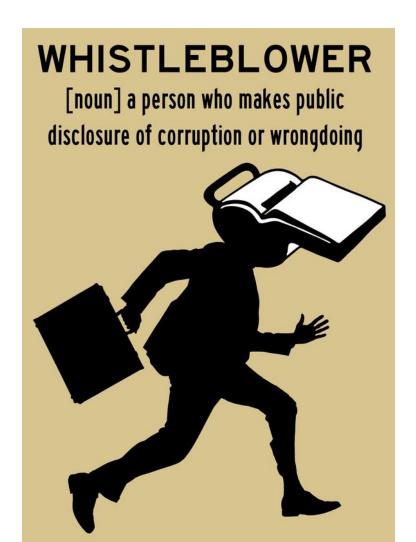
#### CAN ETHICS BE SCIENTIFIC? YES

Is there a claim being made?
Is the claim measurable?
What is Science?



#### WHAT TO DO IF COMPANY IS UNETHICAL

- Official Corporate Reporting
  - If you think CEO is unaware
- Your Own Lawyer
  - Civil Rights Attorney
- Whistleblowing
  - To Who?





## Javascript Demo: "Show Password"



#### REMEMBER OUR EASY LAUNCH:

```
jQuery(function($) {
    $('html').removeClass('nojs');
    $('html').addClass('hasjs');
```



### WHY PUT "SHOW PASSWORD" IN 15?

\$('#password-input').append('<a id="show-password" href="#null">Show Password</a>');

To hide it from users who have JS disabled!



#### OUR ACTION: CHANGE THE ATTRIBUTE

\$('#password').attr('type','text');



#### HOW DO WE ATTACHED CLICK ACTION?

We could attach to our "a" element

```
$('password-input a').on('click', function (e) {
}
```

2. Or we could attached it to the id of the "a" element

```
$('#show-password').on('click', function(e) {
}
```



#### FINALLY: PREVENT NORMAL CLICK EVENTS

e.preventDefault();



#### SO NOW WE'VE GOT:

```
jQuery(function($) {
    $('html').removeClass('nojs');
    $('html').addClass('hasjs');

$('#password-input').append('<a id="show-password" href="#null">Show Password</a>');

$('#show-password').on('click', function(e) {
    $('#password').attr('type', 'text');
    e.preventDefault();
});
```



## Javascript Demo: "If/Else"



#### NOW WE'LL ADD AN IF/ELSE STATEMENT!

With JS, tell your story first and it will help you with the code

"If someone types and incorrect username, I want red text stating incorrect login."

"If it's correct I want new html/css showing they logged in."



#### REFRANCE IT AS "IT" / "ELSE"

- "if" someone types a correct username
  - Replace the html with their account info
- "else" someone types an incorrect username
  - Add html stating so



#### FIRST: ATTACH OUR FUNCTION

```
$('#login').on('submit', function(e) {
}
```



#### SECOND: DECLARE THE "IF"

• Remember: if () is a function that needs parameters placed in the name.

```
if ($('#username').val() === 'tbernerslee') {
}
```



#### THIRD: DEFINE THE FUNCTION

- We're swapping html files with a user account file.
  - Not changing the html text.

window.location.replace('account.html');



#### FORTH: DEFINE OUR "ELSE" STATEMENT

- "else" includes everything not defined by "if", so we don't need to define it.
- Add a log even named Bad username.
- Attach some html text before log-in: "Incorrect Username or Password".
- Use a class to define this new text's style in CSS.

```
else {
  console.log('Bad username');
  $('#login').prepend('<div class="error">Incorrect Username or Password</div>');
```



#### FINALIY: PREVENT DEFAULT EVENTS

e.preventDefault();



#### SO NOW WE'VE GOT:

```
$('#login').on('submit', function(e) {
    if ($('#username').val() === 'tbernerslee') {
        window.location.replace('account.html');
    } else {
        console.log('Bad username');
        $('#login').prepend('<div class="error">Incorrect Username or Password</div>');
    }
    e.preventDefault(); });
```



# HCI Guidelines: that you liked!



#### HCI GUIDELINES

Apple: A <u>Link</u>

Windows: Also a link

GNOME: Magically, yet another <u>link</u>

