

# ITMD-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

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

Examples include punctuality, time management, confidentiality, and transparency

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

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

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?

## WHISTLEBLOWER

[noun] a person who makes public disclosure of corruption or wrongdoing



# Javascript Demo: “Show Password”





# REMEMBER OUR EASY LAUNCH:

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



# WHY PUT “SHOW PASSWORD” IN JS?

```
$('#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?

1. 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.”



# REFRAME IT AS “IF” / “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>');
```



# FINALLY: 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 [Link](#)
- Windows: Also a [link](#)
- GNOME: Magically, yet another [link](#)

