

**Gerard Sychay #tek11 05/26/2011** 



### **Gerard Sychay.**

# Zipscenemobile.com Cincy Coworks

## This is Henry



#### 



Sessions
 Authentication
 Keep Me Logged In
 Security

#### Sessions







1. initial request

2. create new
 session ID

4. store ID in 
'PHPSESSID' cookie

3. create session file named with ID

#### Sessions







1. read session ID from PHPSESSID cookie

2. find file with name matching session ID

4. respond using session data

3. read session data from session file

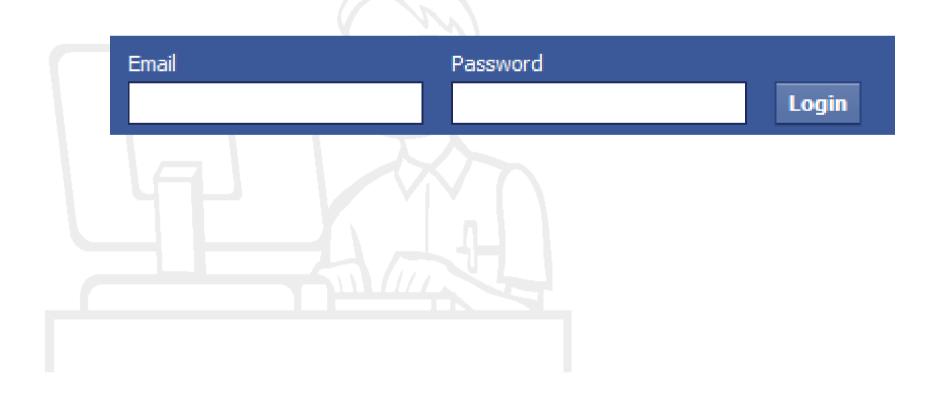
# Sessions



2

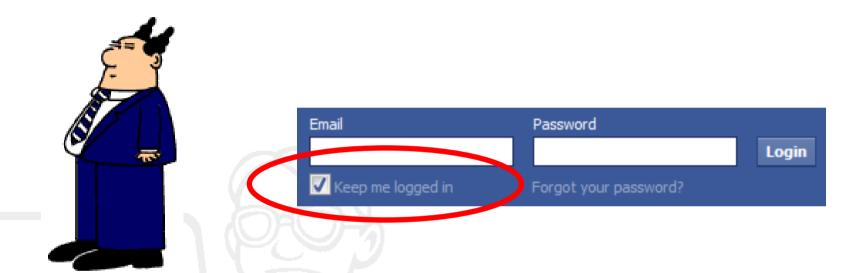
**Authentication** 

### Sessions... what are they good for?



```
// set a flag
$_SESSION['authenticated'] = true;
$_SESSION['loggedIn'] = true;
// save something useful
$_SESSION['userId'] = 123;
$_SESSION['userName'] = 'jsmith';
```





# "You know that thing that they have?"

session.cookie\_lifetime

Specifies the lifetime of the cookie in seconds which is sent to the browser. The value 0 means "until the browser is closed." Defaults to 0.

session.gc\_maxlifetime

Specifies the number of seconds after which data will be seen as 'garbage' and potentially cleaned up. Garbage collection may occur during session start. Defaults to 1440 seconds.

```
// 24h
session.cookie_lifetime = 86400;
// 24h
session.gc_maxlifetime = 86400;
```



session.cookie\_lifetime



session.gc\_maxlifetime



#### **Authentication**

### **Example**

```
session.cookie_lifetime = 0; // default
session.gc_maxlifetime = 1440; // default
```

#### Henry:

Never closes his browser Requests pages every 20 minutes or so. Stays logged in! 2

#### **Authentication**

### **Example**

```
session.cookie_lifetime = 0; // default
session.gc_maxlifetime = 1440; // default
```

#### Henry:

Leaves his browser open
Takes a 30 min. snack break
Session garbage collected – logged out!

2

#### **Authentication**

### **Example**

```
session.cookie_lifetime = 3600; // 1 hr
session.gc_maxlifetime = 1440; // default
```

#### Henry:

Leaves his browser open
Takes a 30 min. snack break
Session garbage collected – logged out!

### **Example**

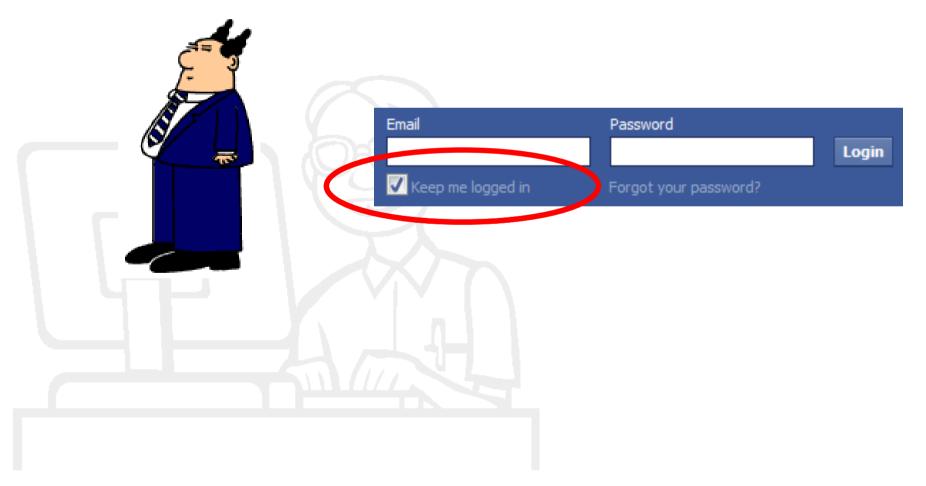
```
session.cookie_lifetime = 3600; // 1 hr
session.gc_maxlifetime = 3600; // 1 hr
```

#### **Henry**:

Leaves his browser open Takes a 45 min. snack break Works for 30 mins.

Session cookie expires – logged out!

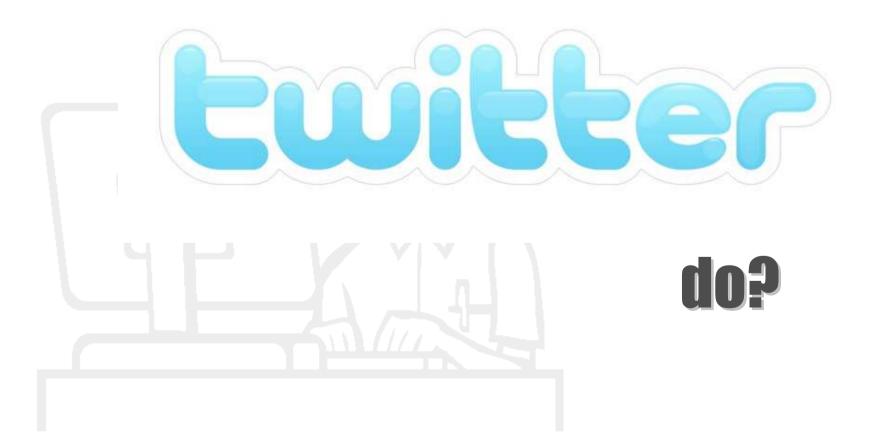
### Oh yeah, what was I trying to do?





**Keep Me Logged In** 

### What would



#### **Keep Me Logged In**







1. initial login

2. create new auth token for user

4. store auth token
in `my\_auth' cookie

3. store user's unique auth token in DB

#### **Keep Me Logged In**







1. read auth token
 from 'my\_auth'cookie

2. lookup auth
 token in DB

4. Store new session ID and auth token in cookies

3. if valid token,
 log user in

# Keep Me Logged In



Security

CHESS
POKER
FIGHTER COMBAT
GUERRILLA ENGAGEMENT
DESERT WARFARE
AIR-TO-GROUND ACTIONS
THEATERWIDE TACTICAL WARFARE
THEATERWIDE BIOTOXIC AND CHEMICAL WARFARE
GLOBAL THERMONUCLEAR WAR

## What about security?

Security

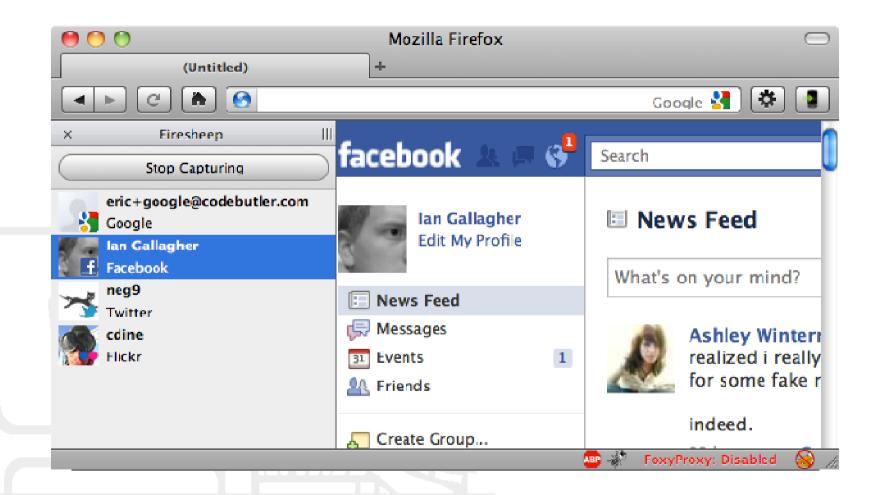


#### **Security**



Firesheep

#### **Security**



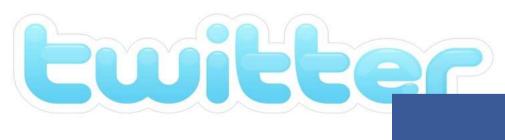
**Security** 

### I CAN HAZ SSL?

HTTPS Only

✓ Always use HTTPS

Use a secure connection where possible to encrypt your account information.



facebook

**Security** 

### Re-authenticate!

# Linked in

amazon.com°

# Security



### **Enjoy the wi-fi!**

**@hellogerard** 

http://straylightrun.net http://github.com/hellogerard/tek11

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