Part 2
Girls Around Me is a revolutionary new city scanner app that turns your town into a dating paradise! Use it to see where hot girls and guys are hanging out in your area, view their photos and make contact!

NOTE: You need to have a Four-square account to use Girls Around Me!

Create foursquare account
The iPhone's Fingerprint Scanner Has Shady Government Ties, Anonymous Says

By Patrick McGuire

Yesterday, just as the US government shut itself down and put 800,000 people temporarily out of work, the hacktivist group Anonymous—who the FBI wrongly declared to be dead in August—released a video statement with an accompanying Pastebin document claiming that there are definitive links between AuthenTec, the company that developed the iPhone 5S's fingerprint scanner, and the US government.
Talking to your friends online...

- Usually we think of posting content online in relation to our friends, family, small circle.
- But usually the *entire world* has access.
- Sometimes we are anonymous or pseudonymous.
- So we can post whatever we want, right?
N.Y.C. Police Maligned Paradegoers on Facebook

The West Indian American Day Parade is held annually over the Labor Day weekend as a celebration of Caribbean culture.

By WILLIAM GLABERSON
Published: December 5, 2011 | 341 Comments

They called people “animals” and “savages.” One comment said, “Drop a bomb and wipe them all out.”

Hearing New York police officers speak publicly but candidly about one another and the people they police is rare indeed, especially with their names attached. But for a few days in September, a raw and rude conversation among officers was on Facebook for the world to see — until it vanished for unknown reasons.
How much to reveal?

- There are advantages to being open
  - Social connections (party invitations)
  - Professional connections (job offers)
- Might be wise not to reveal everything
- People have lost jobs over FB posts + Tweets
- Guidelines: Watch what you say about...
  - behavior, schedule, biases, employer, drama
The Problem

- What you post can usually be widely accessed
  - Grandma is on FB now, and HR departments, etc.
- Digital data doesn't go away
  - Truly deleting every copy is actually hard
- When people meet you they routinely check you out online... what image are you portraying?
- Anonymity is usually weaker than you think
Guidelines – Think twice about...

- Behavior – text or photos about socially unacceptable behavior has cost people jobs
- Schedule – posting about your location can help burglars, stalkers
- Biases – easy to rant about things/people you hate (is that what you want for your public image?)
- Employer – your boss may follow your thoughts about your job
- Drama – often get sucked into petty dramas, spread gossip, say things that we regret later
Privacy violations: Can they be good?

- Can use these examples in your essay
Surreptitious Recordings

• Can public distribution of surreptitiously obtained information ever be justified?
  – Surreptitious: obtained by stealth, secret or unauthorized
  – Information taken without knowledge of subject
  – Information can be video, audio, documents, pictures

• Sample cases
  – Star Wars Kid vs. Numa Numa Guy
  – Alexandra Wallace
  – Tony Bologna NYPD
  – Wikileaks
Contrast: Surreptitious vs. Not

- **Star Wars Kid**
  - Ghyslain Raza
  - 2002, Messing around in drama studio in HS
  - Other kids found and uploaded
  - [http://www.youtube.com/watch?v=HPPj6vilBmU](http://www.youtube.com/watch?v=HPPj6vilBmU)

- **Numa Numa Guy**
  - Gary Brolsma
  - Lip-syncing at home
  - [http://www.youtube.com/watch?v=W9m9UFhEARg](http://www.youtube.com/watch?v=W9m9UFhEARg)
Other Cases

- Tyler Clementi, a Rutgers student
  - Roommate watched him during a sexual encounter, streaming live webcam view to another computer
  - Result: Clementi commits suicide
Cell phone pictures/video

- UC Davis cop casually pepper-sprays peaceful student protestors (2011)
- Image goes viral
- Anonymous publishes contact information
- Violations no longer can go undetected
Posting online: good or evil?

- http://www.youtube.com/watch?v=zQR01qltgo8
One response

- http://www.youtube.com/watch?v=zuIEMWj3sVA
Death Threats Persuade Alexandra Wallace To Leave UCLA

Over the weekend Alexandra Wallace, the UCLA student that was ostracized after uploading a racist rant against Asians to YouTube shortly after the tsunami in Japan, apologized and announced that she would no longer be attending UCLA.

In an attempt to produce a humorous YouTube video, I have offended the UCLA community and the entire Asian culture. I am truly sorry for the hurtful words I said and the pain it caused to anyone who watched the video. Especially in the wake of the ongoing disaster in Japan, I would do anything to take back my insensitive words. I could write apology letters all day and night, but I know they wouldn’t erase the video from your memory, nor would they act to reverse my inappropriate action.

I made a mistake. My mistake, however, has lead to the harassment of my family,
The Issues

- Surreptitiously capturing behavior
  - Privacy violation
- Capturing potentially criminal behavior
  - Evidence
- What about innocent until proven guilty?
  - Vigilante justice
- People do something stupid/bad
  - Retribution?
  - Private details revealed online – where they live, family, pictures, bikini modeling photos, etc.
  - Alexandra Wallace had to change her name, drop out of UCLA
• Watch the Wikileaks Documentary
  – 0:00-5:00, 30:00-35:00 in class
  – Watch the rest for homework
  – http://www.youtube.com/watch?v=PvmfOaZ34P
What are you supposed to learn?

1. What is a digital footprint?
2. What technology advances in the last 10 years have made “Big Brother” possible
3. Which organizations try to protect your privacy
4. Why you should read the terms and conditions for apps you download
   - Never know what they will say.
     - *Pulse* asks you to give permission to track every number you call
     - *Pandora* asks you for permission to retrieve all your contacts
     - *Angry Birds* tracks your location using GPS while you play
5. Why you should consider what you put on public sites like Facebook
   - Are you sure your privacy settings are as you want them?
• How many times have you posted something online that you wished you could retract?

A. never  
B. once or twice  
C. many times
Basic Processing

Drawing pictures!
Processing is a language for programming interactive graphics

- More fun than programming an operating system
- Easier because you can “see” what's going on
- Immediate feedback
• http://www.processing.org/download
• For your desktop, laptop, grab a copy and install it
Add some code

- Type in instructions that you'll learn
- Then run your program, see what happens
void setup() {
  size(400, 400);
  background(192, 64, 0);
  stroke(255, 255, 255);
}

void draw() {
  line(150, 150, mouseX, mouseY);
}
Coding is all about DETAIL

Two functions defined, one form

```java
void name () {
    ... stuff ...
}
```

Every symbol matters!

Simple statements end with semicolon (;)

Editor colors things to help you out

Some functions include things inside parentheses; called arguments

```java
void setup () {
    size(400, 400);
    background(192, 64, 0);
    stroke(255, 255, 255);
}
```

```java
void draw () {
    line(150, 150, mouseX, mouseY);
}
```

Editor highlights matching braces + parens

Arguments have meaning based on their position:
```java
size(width, height);
stroke(red, green, blue);
```

Case matters
The following program draws a:
A. red rectangle
B. white rectangle

fill(255, 0, 0);
rect(10, 10, 30, 40);
Mixing up purple

• Colors on computers are usually given as three numbers: \( R \ G \ B \), red green blue

• Every possible color is a mixture
  – Purple is 128, 0, 128

• The numbers are intensities of tiny lights that make up a pixel on the screen
  – Smallest intensity is 0
  – Greatest intensity is 255
  – Amazingly, \( R + G + B = \) white
• Snow angel is on a “rusty” background:
  background(192, 64, 0);

• Stroke sets line color: stroke(255, 255, 255);

• Fill sets color of objects: fill(128, 0, 128);
• When RGB values are all the same, color is a shade of gray (black—white)

• Processing lets us use a shortcut: 
  `background(255)` is the same as doing 
  `background(255, 255, 255)`

• What colors are these backgrounds?
  - `background(255, 0, 0);`
  - `background(64);`
  - `background(0, 0, 64);`
What color?

The line below makes the background:
A. red
B. green
C. blue
D. white
E. black

background(255, 0, 0);
What color?

The line below makes the background:

A. white
B. light gray
C. dark gray
D. black

background(64);
What color?

The line below makes the background:
A. bright red
B. dark red
C. bright green
D. dark green

background(0, 64, 0);
• In the book, Reas and Fry draw a cute robot using simple shapes
• They give the code so we can see how they did it
• Let's look even though we don't know all the commands yet
ellipseMode(RADIUS);

// Neck
stroke(102); // Set stroke to gray
line(266, 257, 266, 162); // Left
line(276, 257, 276, 162); // Middle
line(286, 257, 286, 162); // Right

// Antennae
line(276, 155, 246, 112); // Small
line(276, 155, 306, 56); // Tall
line(276, 155, 342, 170); // Medium

// Body
noStroke(); // Disable stroke
What does the following code draw?
\texttt{rect(10, 50, 20, 10);}
• Adding color to the robot
We have written two kinds of Processing programs
- static, just draw a picture
- dynamic, keeps drawing all the time

```java
size(100, 100);
background(255);
fill(0, 0, 255);
ellipse(50, 50, 30, 30);
```