

Tuesday, March 26, 13

Google™

Tuesday, March 26, 13



Tuesday, March 26, 13



Tuesday, March 26, 13



Tuesday, March 26, 13

**WTF?**

Tuesday, March 26, 13

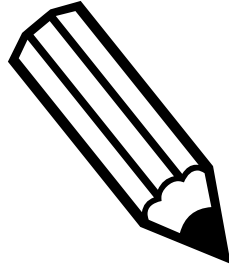
"Once you have javascript executing, it's going to keep going, and the browser can't do anything else until javascript returns control to the browser. So developers write APIs that are asynchronous and every now and then the browser locks up because javascript is hung up on something."

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WHEN WE STARTED THIS PROJECT, THE GEARS GUYS WERE SAYING THAT ONE OF THE PROBLEMS WITH BROWSERS IS THAT THEY'RE INHERENTLY SINGLE-THREADED.

FOR EXAMPLE, ONCE YOU HAVE JAVASCRIPT EXECUTING, IT'S GOING TO KEEP GOING, AND THE BROWSER CAN'T DO ANYTHING ELSE UNTIL JAVASCRIPT RETURNS CONTROL TO THE BROWSER.

SO DEVELOPERS WRITE APIS THAT ARE ASYNCHRONOUS --

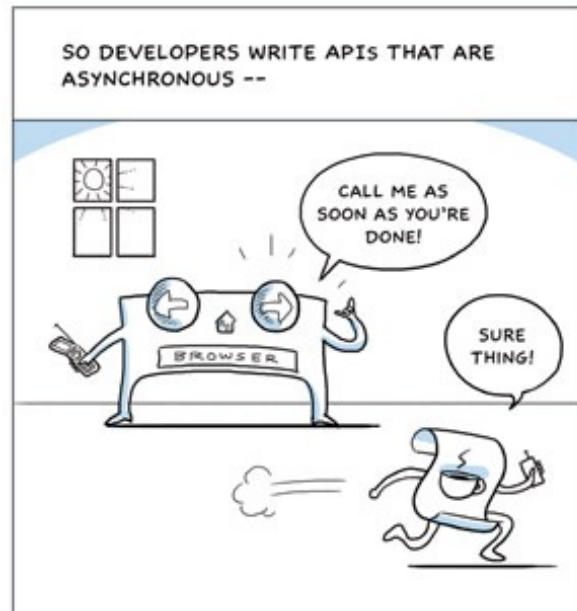
CALL ME AS SOON AS YOU'RE DONE!

SURE THING!

-- AND EVERY NOW AND THEN THE BROWSER LOCKS UP BECAUSE JAVASCRIPT IS HUNG UP ON SOMETHING.

BOO-BEEPIE ALL CIRCUITS ARE BUSY.

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“[Comics] let us illustrate what was really happening with the technology in an abstract and digestible way. If we just had a white paper, very few people would have read it.”

— Anna-Christina Douglas, Google

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# STORYBOARDING

COMMUNICATING YOUR IDEAS  
WITH COMICS & DRAWINGS

KEVIN CHENG

Tuesday, March 26, 13

KEVIN @K  
KEVNULL.COM  
SEEWWHATIMEAN.ORG  
#LIEVS

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WHAT YOU NEED

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# PROPERTIES OF COMICS

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COMMUNICATION

IMAGINATION

EXPRESSION

MOTION

Tuesday, March 26, 13



# COMMUNICATION

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# IMAGINATION

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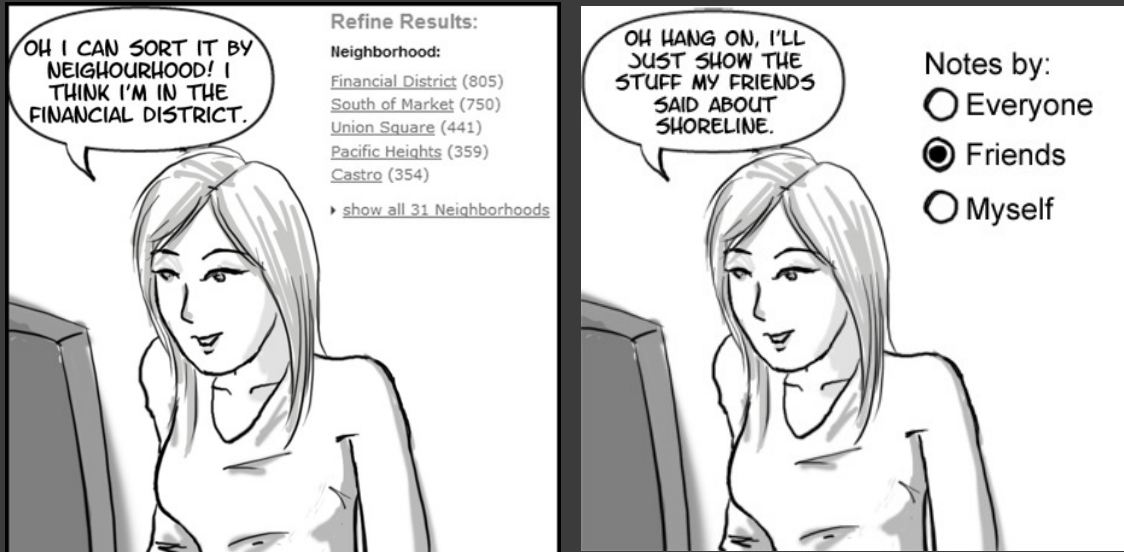
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# EXPRESSION

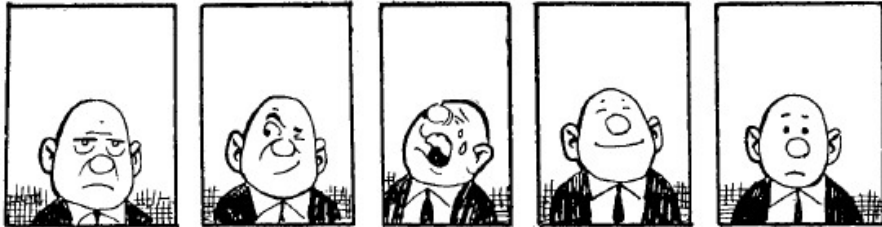
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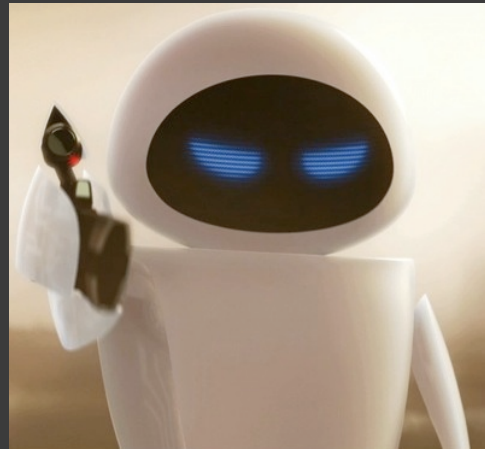
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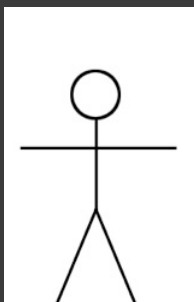
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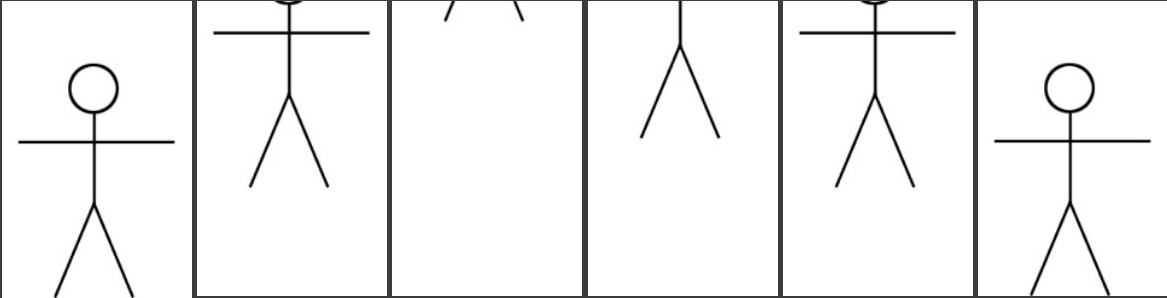
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# MOTION

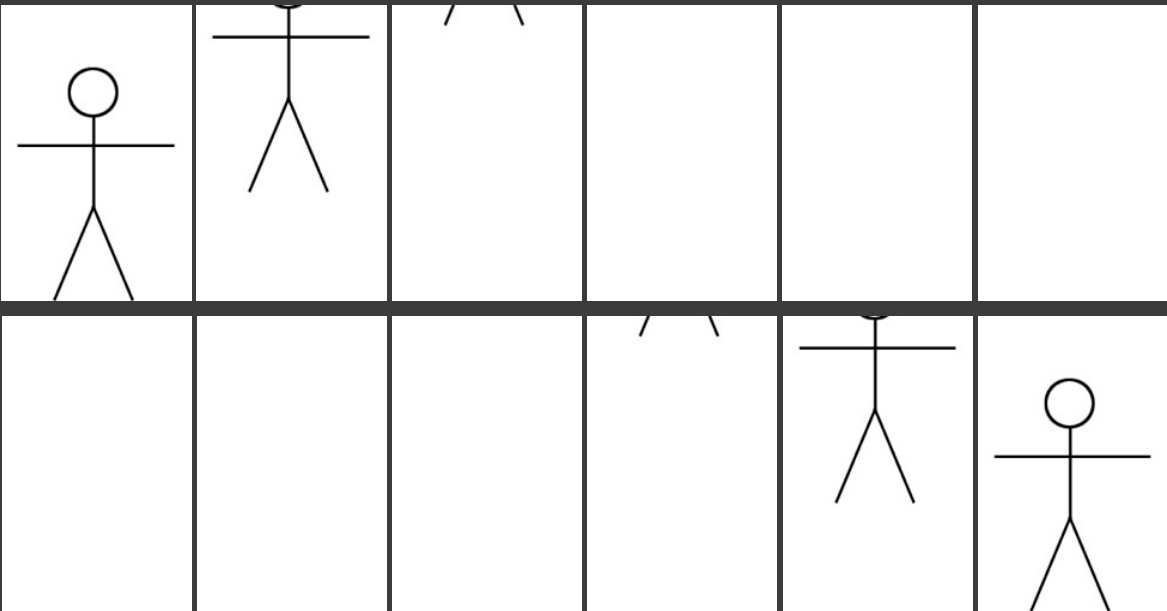
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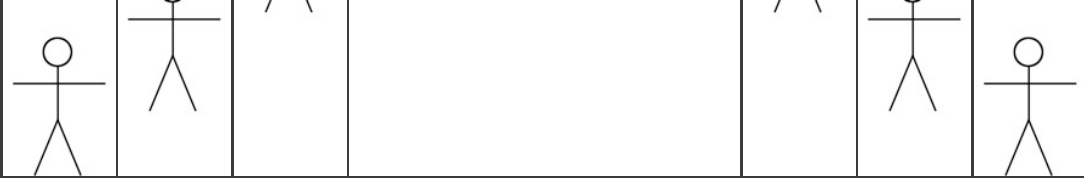
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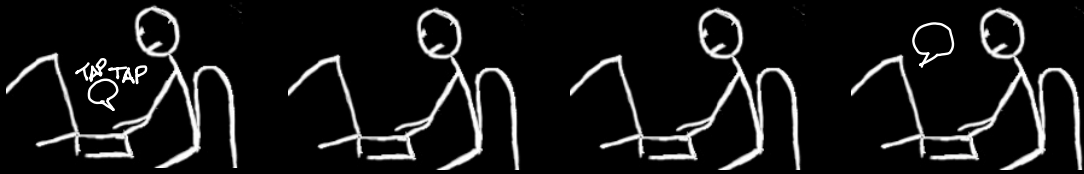
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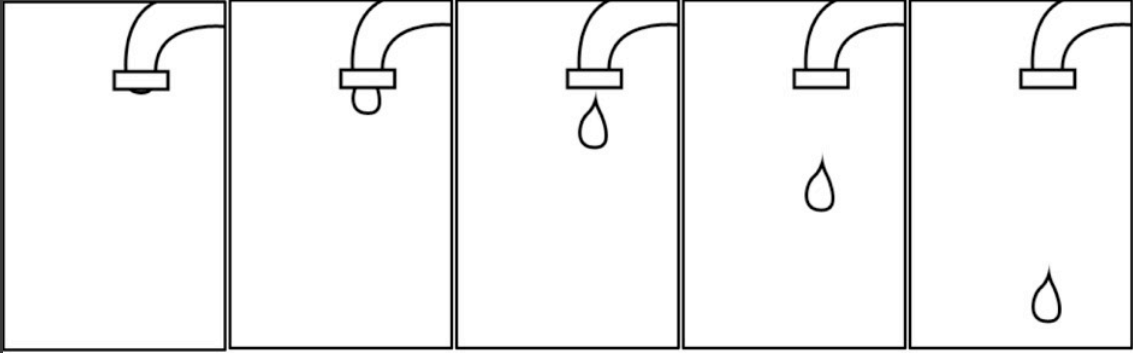


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COMMUNICATION 

IMAGINATION 

EXPRESSION 

MOTION 

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MAKE IT  
SO THEY  
HAVE TO  
REBOOT  
AFTER EVERY  
TYPO.



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**YOU DON'T NEED TO BE  
AN ARTIST**

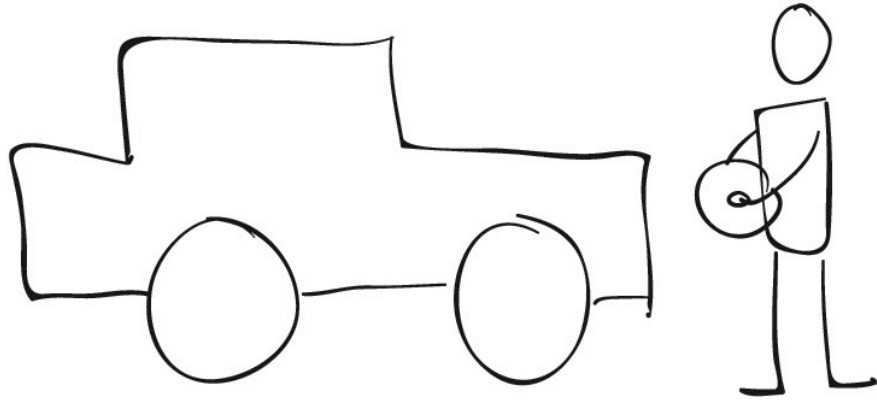
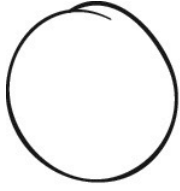
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# WHERE ARE THE ARTISTS?

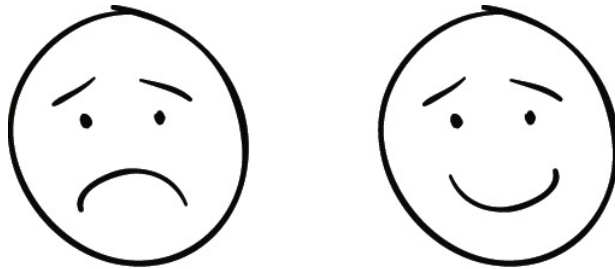
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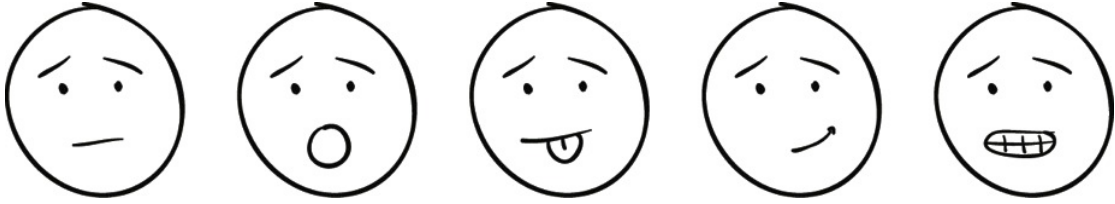
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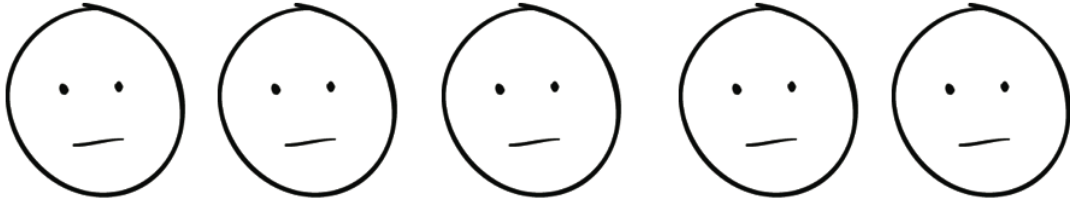
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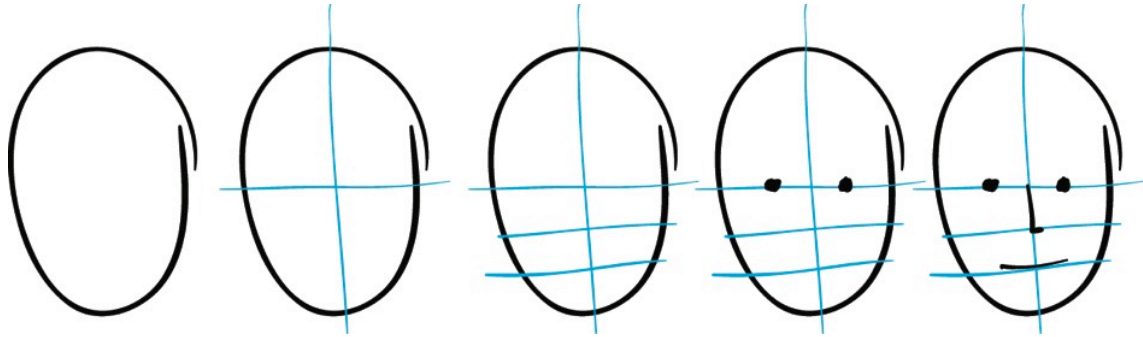


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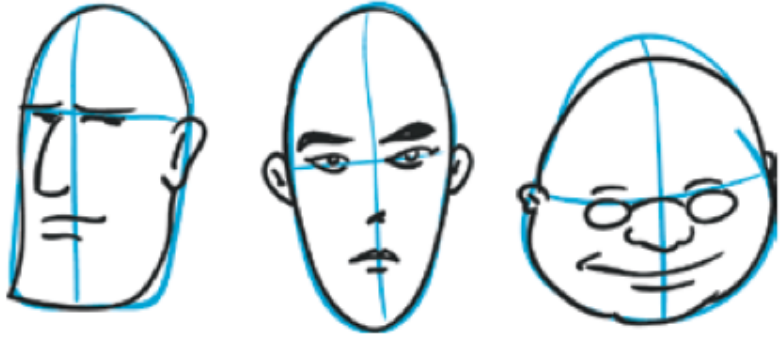




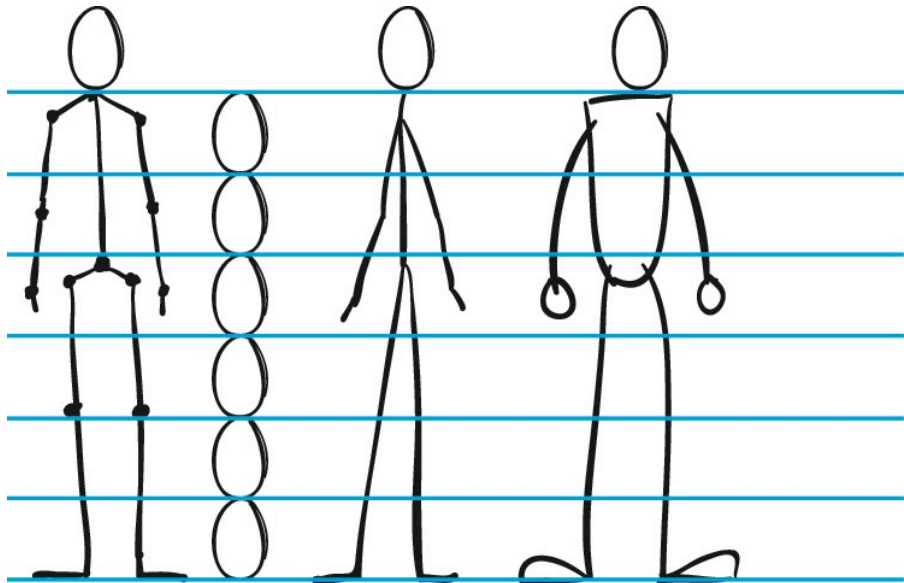
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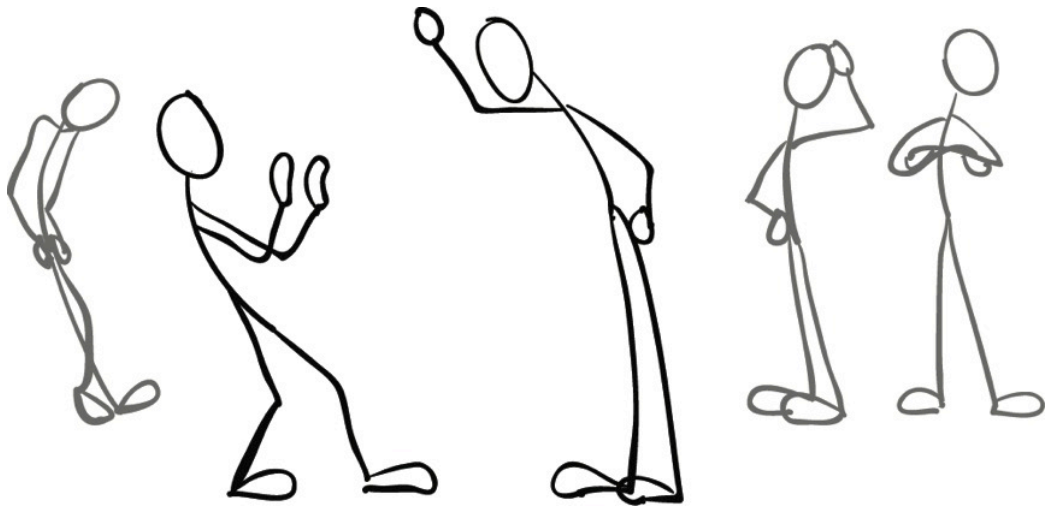
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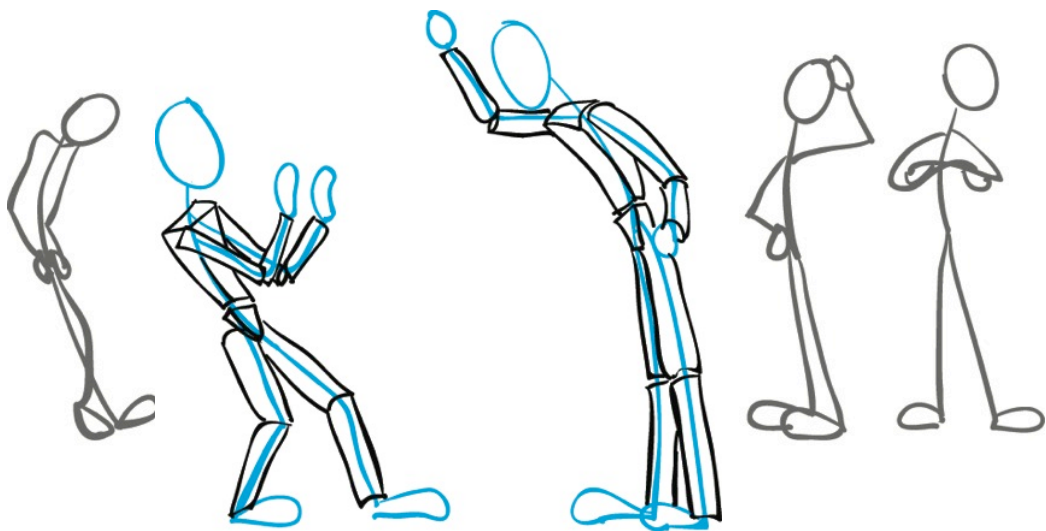
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# DECIDING ON

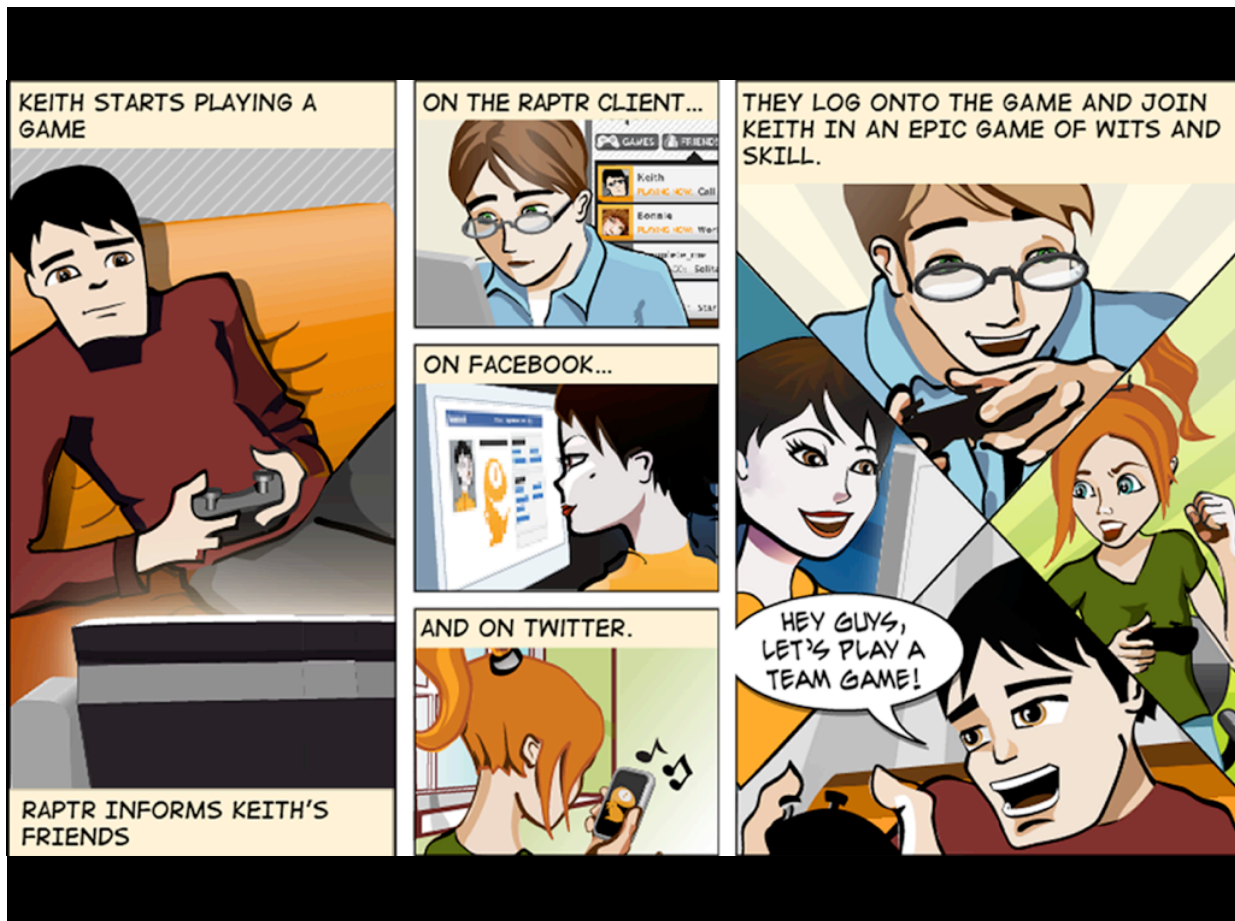
GOAL

LENGTH

AUDIENCE

USE CASE

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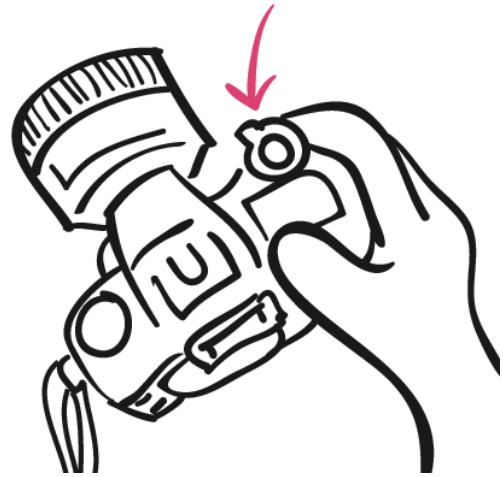
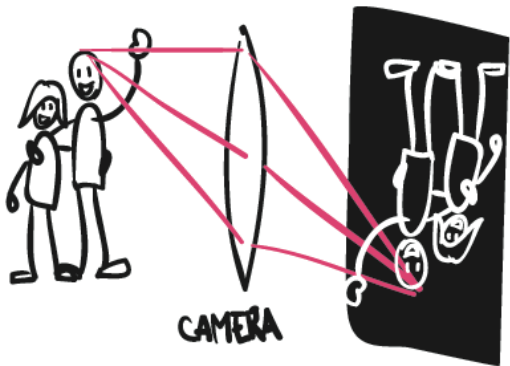




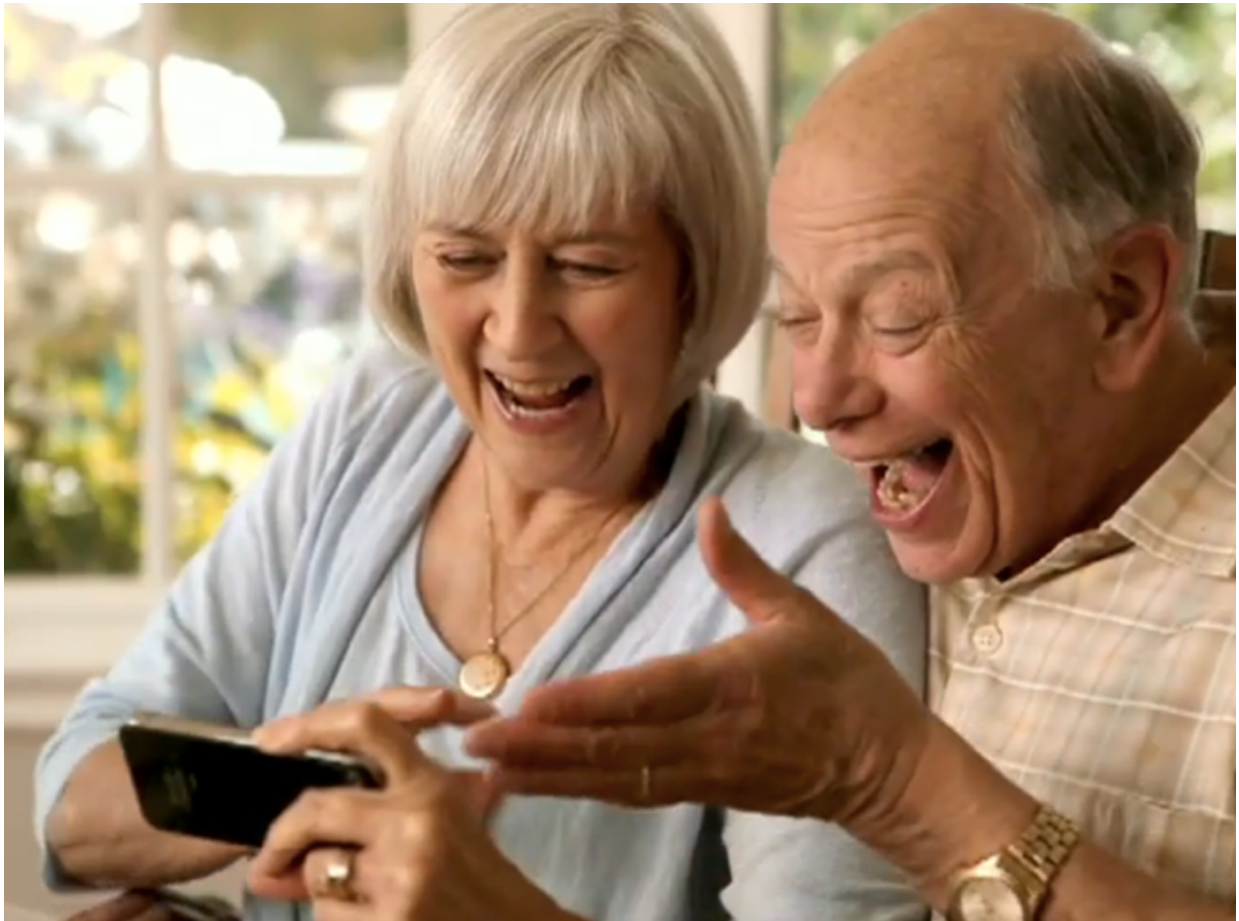
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## INT. TENT – LATE AFTERNOON

*...Harry paces. Hermione snaps shut the flap. Smiles nervously.*

**HERMIONE**

How're you feeling? OK?

*Harry nods. Hermione glances about. Fleur sits in stony silence. Krum lies on a bench. Diggory paces.*

**HERMIONE**

The key is to concentrate. After that, you just have to...

**HARRY**

Battle a dragon.

Tuesday, March 26, 13

**INT. TENT – LATE AFTERNOON SETTING**

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*...Harry paces. Hermione snaps shut the flap. Smiles nervously. ————— ACTION*

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INT. TENT – LATE AFTERNOON **SETTING**

...Harry paces. Hermione snaps shut the flap. Smiles nervously. \_\_\_\_\_ **ACTION**

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*Harry nods. Hermione glances about. Fleur sits in stony silence. Krum lies on a bench. Diggory paces.*

**HERMIONE** \_\_\_\_\_ **ACTOR**

The key is to concentrate. After that, you just have to...

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INT. TENT – LATE AFTERNOON **SETTING**

...Harry paces. Hermione snaps shut the flap. Smiles nervously. \_\_\_\_\_ **ACTION**

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*Harry nods. Hermione glances about. Fleur sits in stony silence. Krum lies on a bench. Diggory paces.*

**HERMIONE** \_\_\_\_\_ **ACTOR**

The key is to concentrate. After that, you just have to... \_\_\_\_\_ **DIALOGUE**

**HARRY**

Battle a dragon.

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# WHERE ARE YOU?

IN A CAR

IN A BLACK SUBARU

ON MY WAY

ALMOST THERE

AT 4TH AND MAIN

Tuesday, March 26, 13

# WHERE ARE YOU?

- INDOORS OR OUTDOORS?
- PLACE OF WORK? HOME?
- KIND OF BUILDING (HOSPITAL, SKYSCRAPER, CONFERENCE)?
- CITY/COUNTRY?
- TIME OF DAY?
- WEATHER?
- WHAT ELSE IS HAPPENING?

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# DIALOGUE



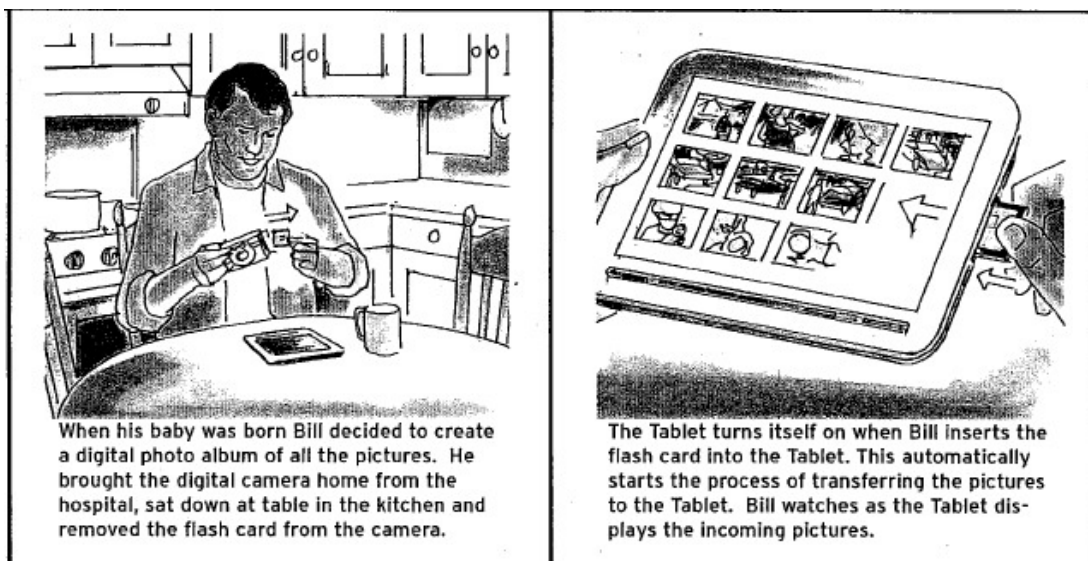
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# DIALOGUE



## "ANAL GEORGE"

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Source: Laurie Vertelney

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# LAYING OUT

COMPOSITION

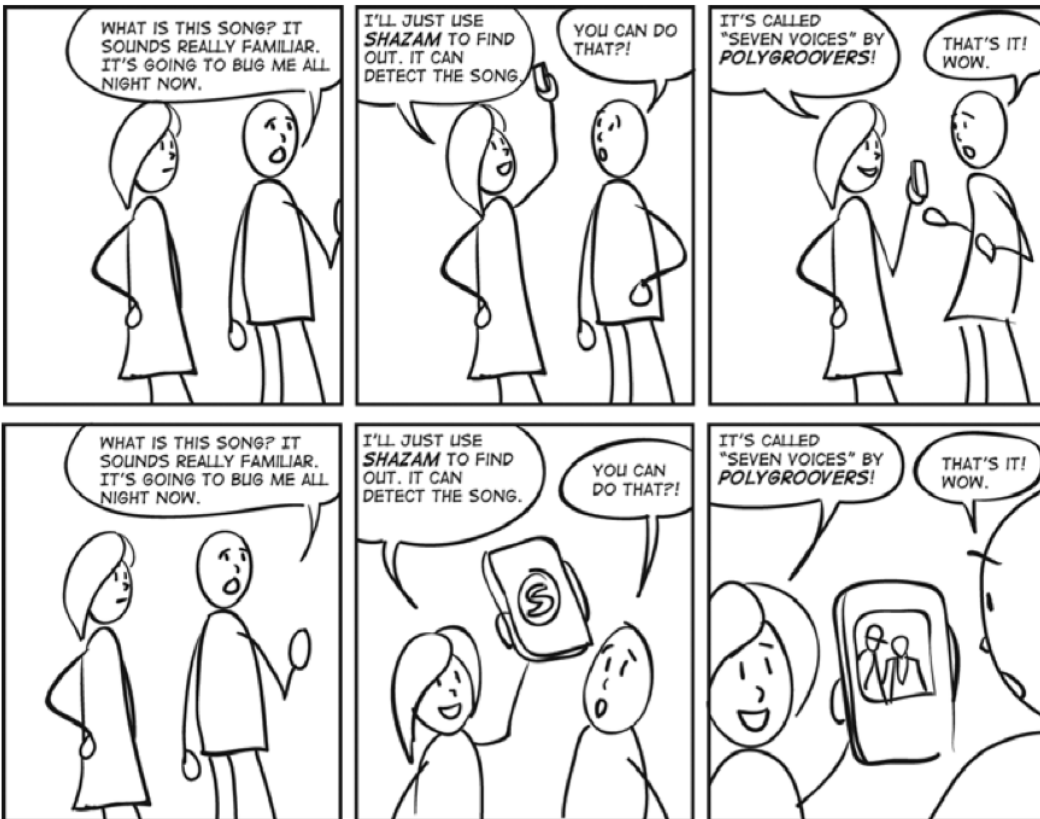
PERSPECTIVE

FLOW

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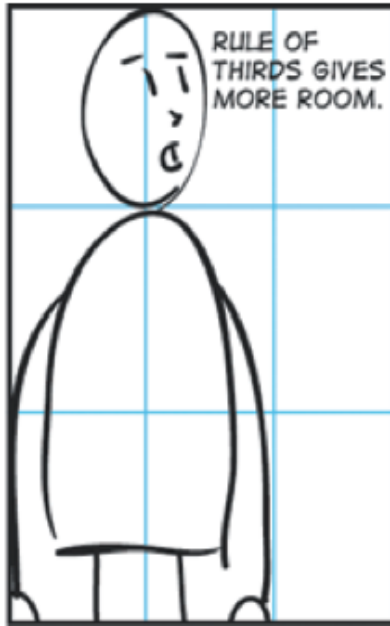


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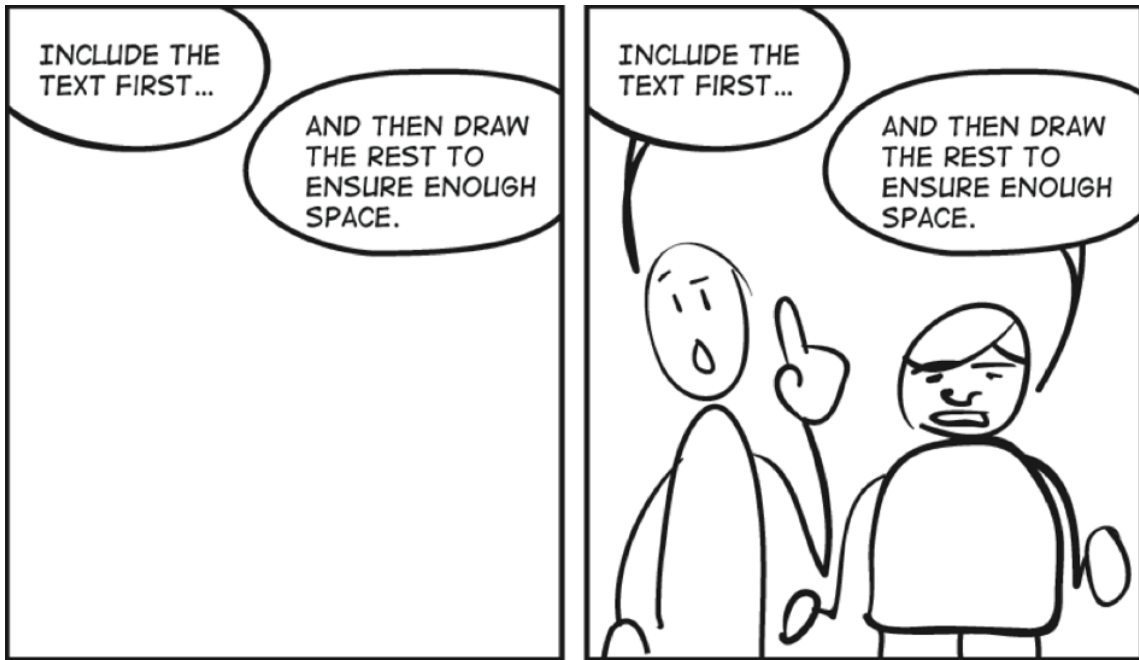


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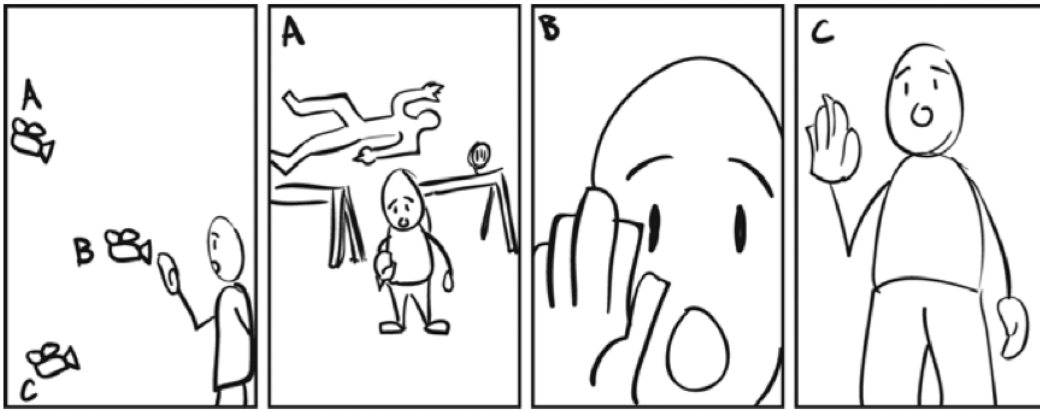




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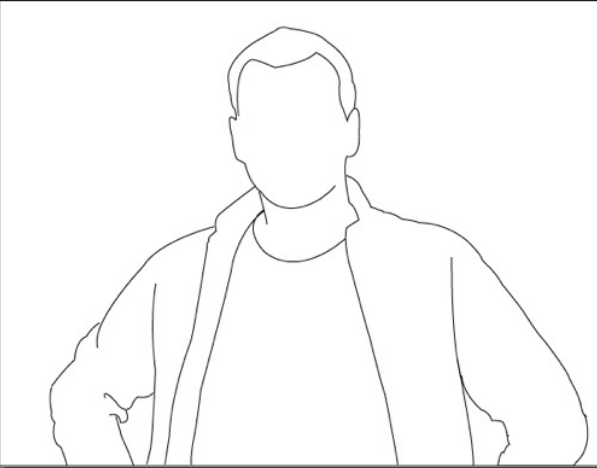
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<http://avatars.yahoo.com>

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<http://www.flickr.com/photos/brycej/collections/72157605791728828/>

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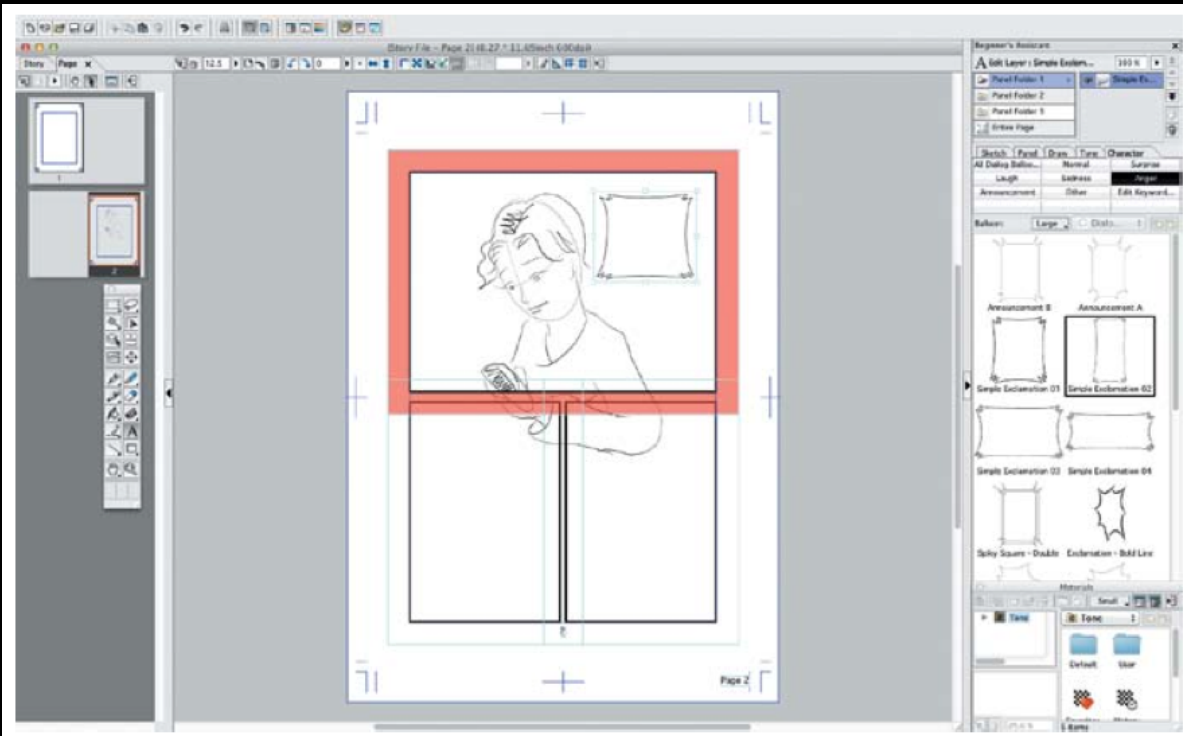
Design Comic Templates: <http://designcomics.org>

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my funny kids big.comic

Print Zoom In Zoom Out Zoom to Fit Front Back Style

AA AA  
Smaller Bigger

Libraries Details

PAGE TEMPLATES  
Built-in: Basic

drag a panel

BRICK CH1

ALBUM: good ones

DVCO0012 DVCO0035 DVCO0036

OMA OPA AN... ATARI DS...

DSCN0822 DSCN0832 PIC...

Comic Life: <http://plasq.com>

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Bitstrips

COMIC BUILDER LAYOUT ART LIBRARY TEXT BUBBLES CONTR...

Collections  
Bitstrips Basics  
Famous  
Featured

Characters Scenes Props Furniture Wall Items Effects

Apple Bacon Balloon Banana Baseball Bat Glove Basket Ball

'Title of Strip'

Character: A cartoon man in a blue shirt and tie holding a yellow balloon.

Background: A cityscape with several buildings.

Read Create  
Comic Character Friend Scene

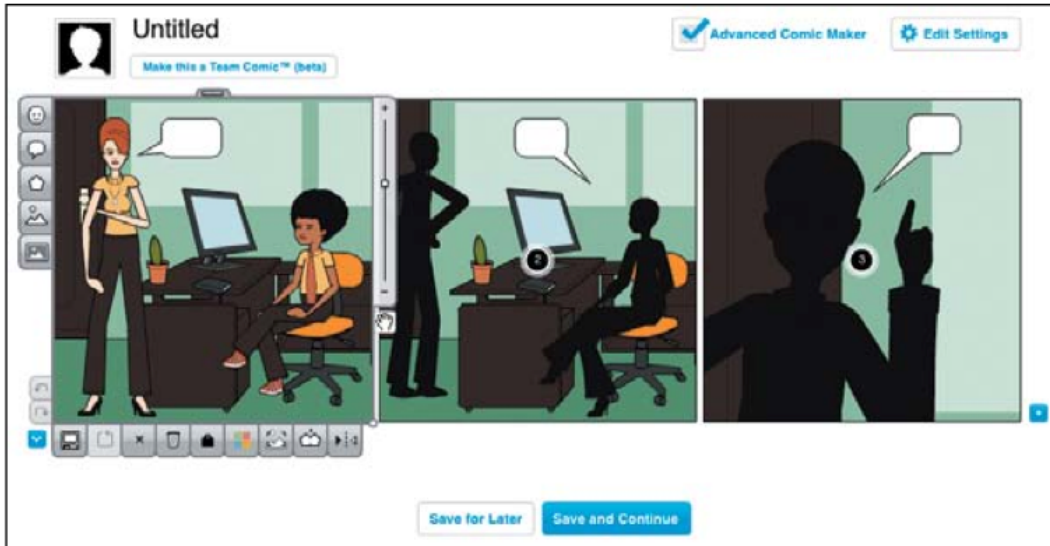
Email:   
Password:   
LOGIN  
Lost password?

Shop  
Clothing

Bitstrips  
About Help Feedback Report Bug

<http://bitstrips.com>

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# BREAKING DOWN THE BARRIERS

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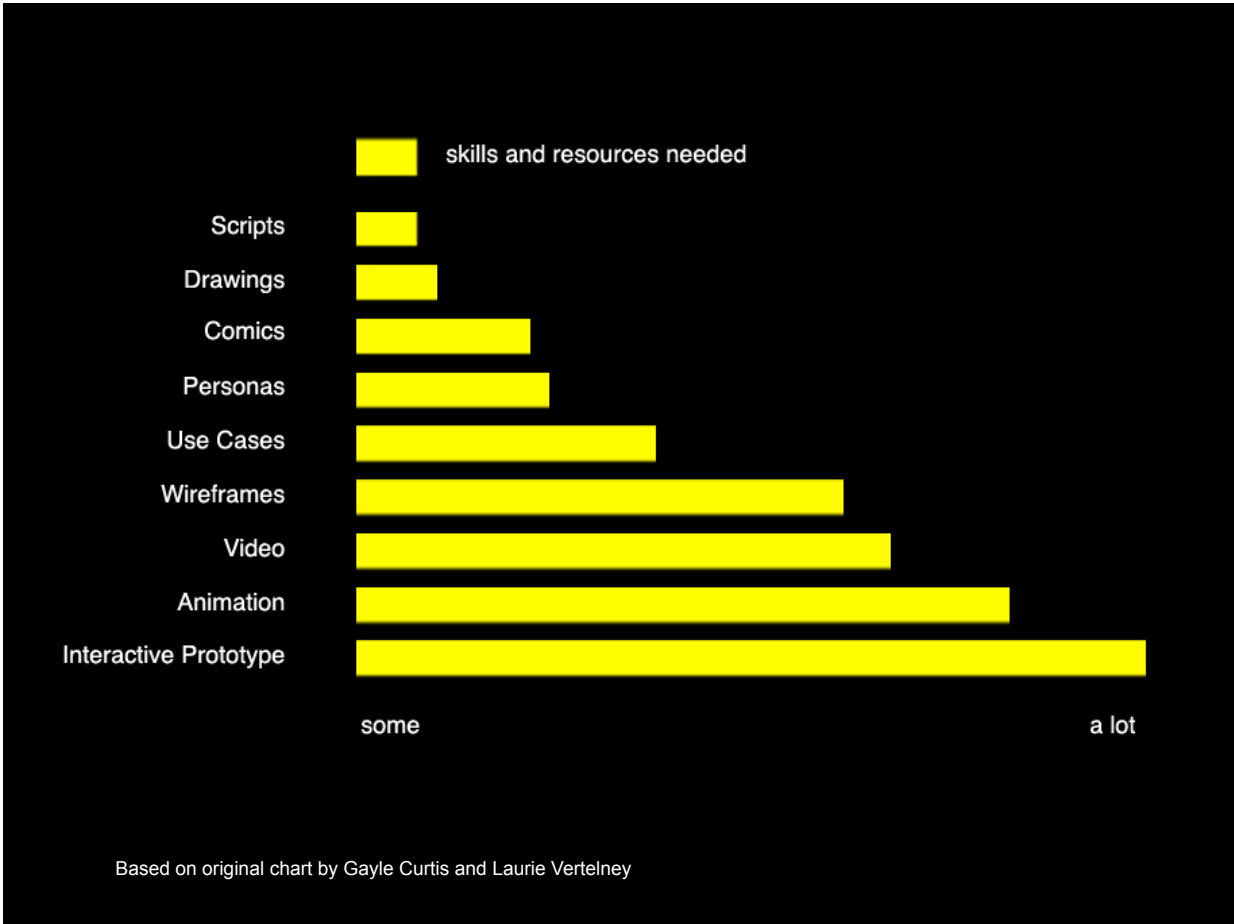


# AUDIENCE

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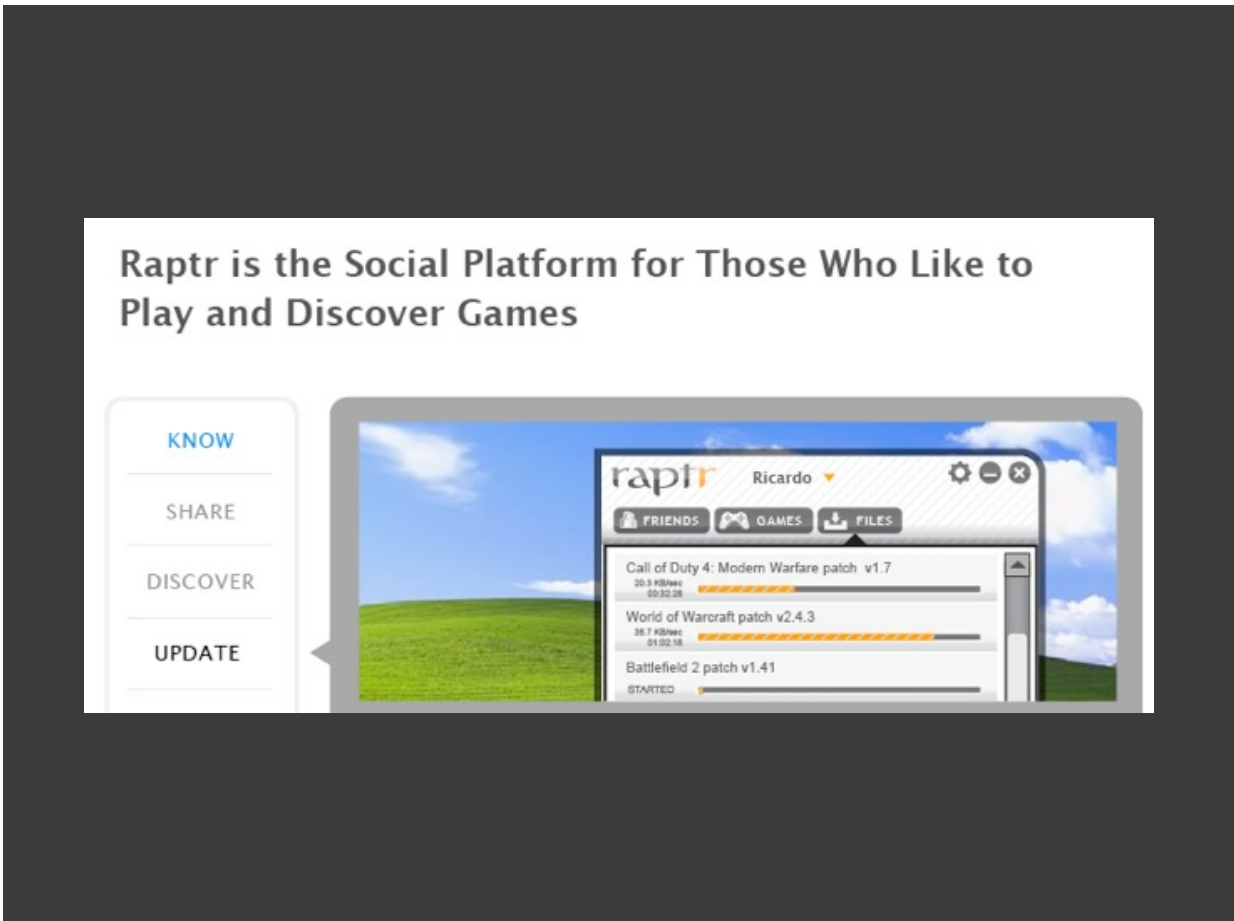
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# "INSTRUCTIONS THAT LOOK EASIER ARE INTERPRETED AS EASIER TASKS."

A RECIPE FOR MOTIVATION: EASY TO READ, EASY TO DO  
<http://www.scientificamerican.com/article.cfm?id=a-recipe-for-motivation>

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# YOU WERE GREAT!

[KC@KEVNULL.COM](mailto:KC@KEVNULL.COM)

[pinboard.in/u:kevnull/t:seewhatimean](http://pinboard.in/u:kevnull/t:seewhatimean)

twitter: [twitter.com/k](https://twitter.com/k)

book: [seewhatimean.org](http://seewhatimean.org)

blog: [kevnull.com](http://kevnull.com)

comic: [okcancel.com](http://okcancel.com)

