



Welcome to Irvine Valley College's Mobile Website Development Summer 2013 Workshop

Learn to develop websites for mobile devices using
HTML5, CSS3 and a Text Editor or Dreamweaver CS6

By: Roopa Mathur, Adrienne Grace, Florence Lee,
Sean Glumace, Kelly McBean,
Carolina Kussoy, and Dixie Massaro
IVCMobileWebDev@ivc.edu

Login

- ▶ **BSTIC 209 Login for Guests**
 - Username: bst209-1 through bst209-65 (depending your computer's number)
 - Password: BeOurGuest



Agenda

DATES	TIMES		ROOM
Tuesday August 6, 2013	9:00am	3:00pm	BSTIC 209
Wednesday August 7, 2013	9:00am	3:00pm	BSTIC 209
Thursday August 8, 2013	9:00am	3:00pm	BSTIC 209

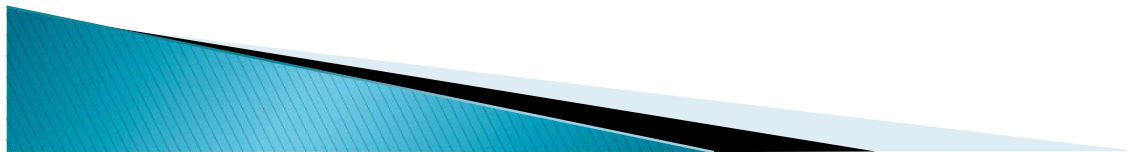
- ▶ Tuesday, August 6, 2013
 - Check-in/Breakfast
 - Welcome/Introductions
 - Native Apps vs. Web Apps – by Roopa Mathur
 - jQuery Mobile Website using Dreamweaver CS6 – by Adrienne Grace
 - Lunch at Noon
 - jQuery Mobile Website using HTML5, CSS3, and a Text Editor – by Florence Lee



Agenda

DATES	TIMES		ROOM
Tuesday August 6, 2013	9:00am	3:00pm	BSTIC 209
Wednesday August 7, 2013	9:00am	3:00pm	BSTIC 209
Thursday August 8, 2013	9:00am	3:00pm	BSTIC 209

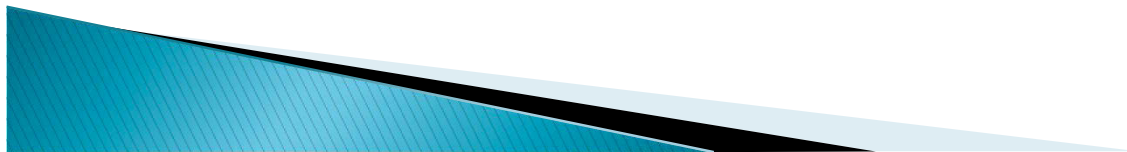
- ▶ **Wednesday, August 7, 2013**
 - Breakfast
 - Responsive Web Design using Dreamweaver CS6 – by Adrienne Grace
 - Lunch at Noon
 - Responsive Web Design using HTML5, CSS3, and a Text Editor – by Florence Lee



Agenda

DATES	TIMES		ROOM
Tuesday August 6, 2013	9:00am	3:00pm	BSTIC 209
Wednesday August 7, 2013	9:00am	3:00pm	BSTIC 209
Thursday August 8, 2013	9:00am	3:00pm	BSTIC 209

- ▶ **Thursday, August 8, 2013**
 - Breakfast
 - Overview of How to Develop a Mobile Website using WordPress – by Roopa Mathur, Adrienne Grace, and Sean Glumace
 - Lunch at Noon
 - Overview of How to Develop an Android Native App – by Kelly McBean
 - Final Thoughts – Survey – Prizes



Workshop Logistics

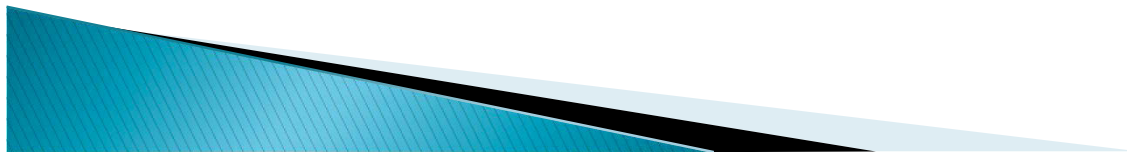
- ▶ **Stipends for Educators**
 - \$300 if you attend all three days and complete the W-9 form
 - Thank you for participating in this Mobile Website Development workshop
 - Funding made possible by the Responsive Training Fund RFA 12-332, Economic and workforce Development Program (EDDW) grant.

- ▶ **Other Logistics**
 - No Food/Drinks in BSTIC 209
 - Breakfast & Lunch in BSTIC XXX
 - Restrooms



Impact of Mobile Web

- ▶ Mobile browser usage has tripled in three years and jumped 26% in the first three months of 2013 (see Ref. below).
- ▶ As of April 2012, the Pew Research Center found 55% of adult cell owners use the internet on their mobile phones, nearly double the number of just three years prior.
- ▶ Thirty-one percent of current cell internet users say that they mostly go online using their cell phone, and not using some other device such as a desktop or laptop computer. That works out to 17% of all adult cell owners who are “cell-mostly internet users”—that is, who use their phone for most of their online browsing.
- ▶ Some statistics show a rate of mobile internet usage jumping as much as 200% per year.
- ▶ Reference:
http://vitamintalent.com/mobile-first/?src=mobile-first&utm_source=makemobilefirst.com&utm_medium=lander&utm_campaign=Mobile+First



Native Apps vs. Web Apps

- ▶ Issues about Native Apps and Web Apps:
 - The differences of the development
 - The capabilities of the native apps and web apps
 - The monetization
 - The strengths and weaknesses
 - The method of delivery
- ▶ With all these pros and cons, which is the best approach?
Native Apps or Web Apps?



Developing Native Apps or Web Apps?

- ▶ We should consider the following questions:
 - What's my budget?
 - How important is speed and performance?
 - Will the mobile app require the use of any special device features (i.e., camera, the camera's flash, accelerometer, etc.)?
 - Will this app be monetized effectively?
 - Does the mobile app need to be Internet-enabled?
 - Do I need to target all mobile devices or just certain devices?
 - What programming languages do I already know, if I'm going to code the apps?



How about using Hybrid Mobile App?

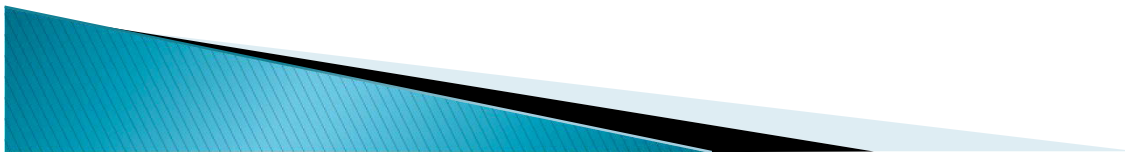
▶ What is a Hybrid?

- Hybrid development combines the best (or worst) of both the native and HTML5 worlds.
- It primarily built using HTML5 and JavaScript
- Then wrapped inside a thin native container that provides access to native platform features.
- Output as a native app



What is jQuery Mobile?

- ▶ jQuery Mobile (jQM) is a framework/structure
 - It allows developers to build mobile web applications
 - It is built on jQuery and jQuery UI foundation
 - It is based on the jQuery Library
 - It supports consistent look of webpages across a variety of devices including iOS, Android, BlackBerry, and Windows Phone
- ▶ Let's take a look:
 - the jQM gallery: <http://jquerymobile.com/>
 - The jQM UI widgets: <http://jqueryui.com/>
- ▶ More info:
 - <http://jquerymobile.com/>



What is Responsive Web Design (RWD)?

- ▶ A responsive website is one that adapts to whatever device it is being viewed on.
- ▶ Whether that is a desktop computer, tablet or mobile device, the same website will display the same contents using a visual layout most suited to the device being viewed.
- ▶ It uses media query techniques to figure out the layout to be provided based on the resolution of the device that is being served.



Login

- ▶ Workshop Materials
 - <http://st3w.ivc.edu/rmathur/mobilewebdev/IVCMobileWebDevWorkshopMaterials/>
- ▶ IVC Student Web Server – To upload your completed exercises
 - IVC student web server:
<http://st3w.ivc.edu/rmathur/mobilewebdev/>
 - The usernames are ivc1, ivc2, etc. (depending on your computer's number)
 - Password: ivcmobilewebdev



Introductions





Thank you!
Irvine Valley College's
Mobile Website Development
Summer 2013 Workshop

Learn to develop websites for mobile devices using HTML5, CSS3 and a Text Editor or Dreamweaver CS6

By: Roopa Mathur, Adrienne Grace, Florence Lee,
Sean Glumace, Kelly McBean,
Carolina Kussoy, and Dixie Massaro
IVCMobileWebDev@ivc.edu