

Building Mobile Applications

Computer Science E-76

web apps v. native apps



Carrier 3:25 PM

MIT Mobile Web



People Directory



Campus Map



Shuttle Schedule



MIT News



Calendar



Stellar class info



Emergency Info



3DOWN service status



TechCASH (BETA)



Libraries (BETA)



Useful Links



MIT Certificates



Full MIT Website

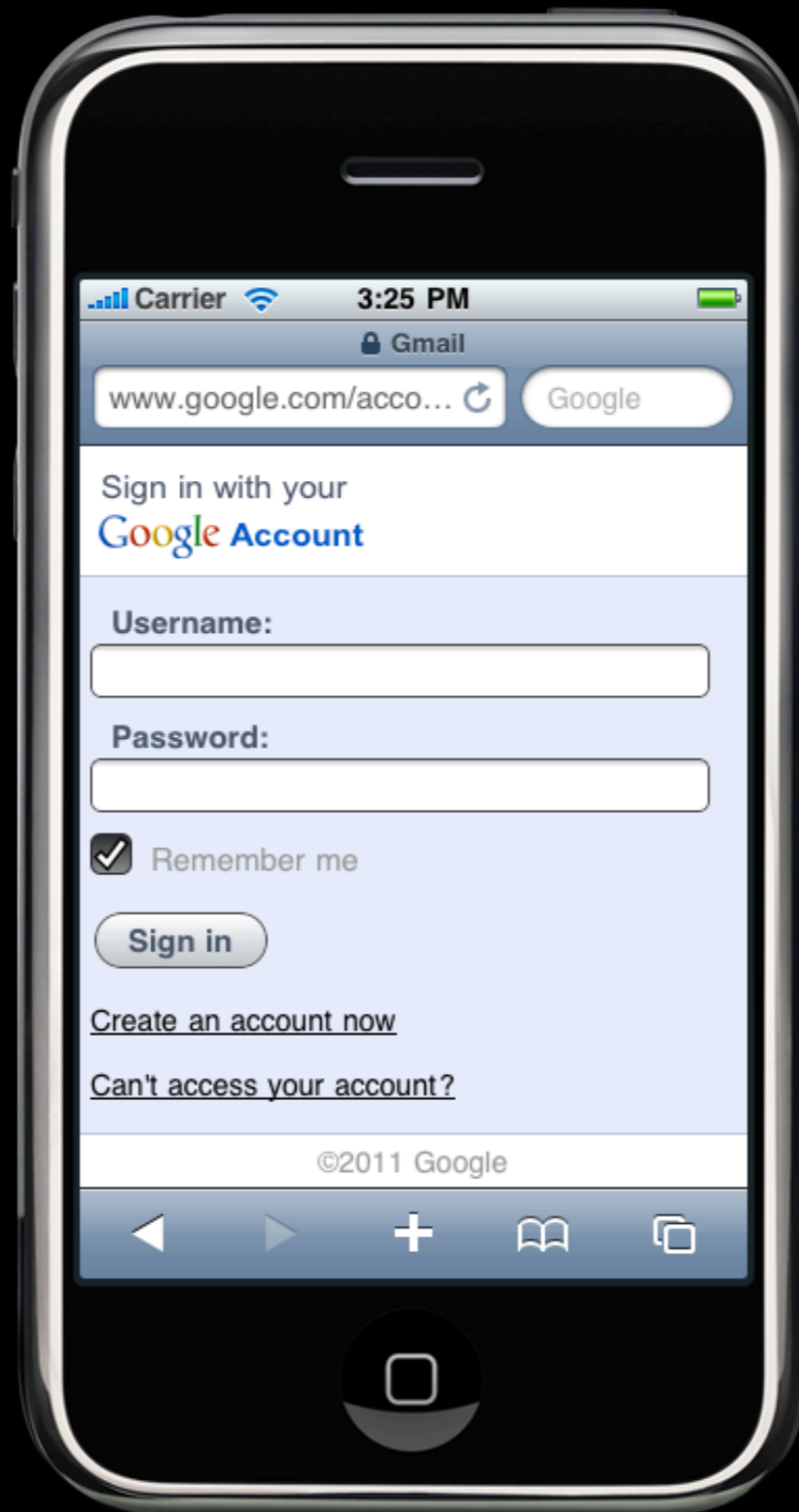


About this site



Customize Home





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Gmail

www.google.com/acco... Google

Sign in with your Google Account

Username: [input field]

Password: [input field]

Remember me

Sign in

[Create an account now](#)

[Can't access your account?](#)

©2011 Google







```
<!DOCTYPE html>
<html>
  <head>
    <title>hello, world</title>
  </head>
  <body>
    hello, world
  </body>
</html>
```

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="styles.css">
    <meta charset="utf-8">
    <script src="scripts.js"></script>
    <title>hello, world</title>
  </head>
  <body>
    hello, world
  </body>
</html>
```



```
<script type="text/JavaScript">
  function loadFile(url) {
    var script = document.createElement('SCRIPT');
    script.src = url;
    document.getElementsByTagName('HEAD')[0].appendChild(script);
  }
</script>
```

XMLHttpRequest

```
<script type="text/JavaScript">
function loadFile(url) {
    function callback() {
        if (req.readyState == 4) { // 4 = Loaded
            if (req.status == 200) {
                eval(req.responseText);
            } else {
                // Error
            }
        }
    }
};
var req = new XMLHttpRequest();
req.onreadystatechange = callback;
req.open("GET", url, true);
req.send("");
}
</script>
```

frameworks

jQuery Mobile

PhoneGap

Sencha Touch

...

expectations

attend or watch all lectures and sections

submit all projects

prerequisites

CSCI E-52 or equivalent

access to an Intel-based Mac running Lion

lectures

2 on HTML5

5 on Android

5 on iOS

staff

Tommy

Alain, Chris, Gajen, Gloria, JP, Sophie, Tom, Wellie

website

www.cs76.net

help

help.cs76.net

projects

HTML5 App

Mobile Local

Android Apps

Hello World, *n*-Puzzle

iOS Apps

Hello World, Evil Hangman

grades

scope

correctness

design

style

sections, office hours

mondays after lecture

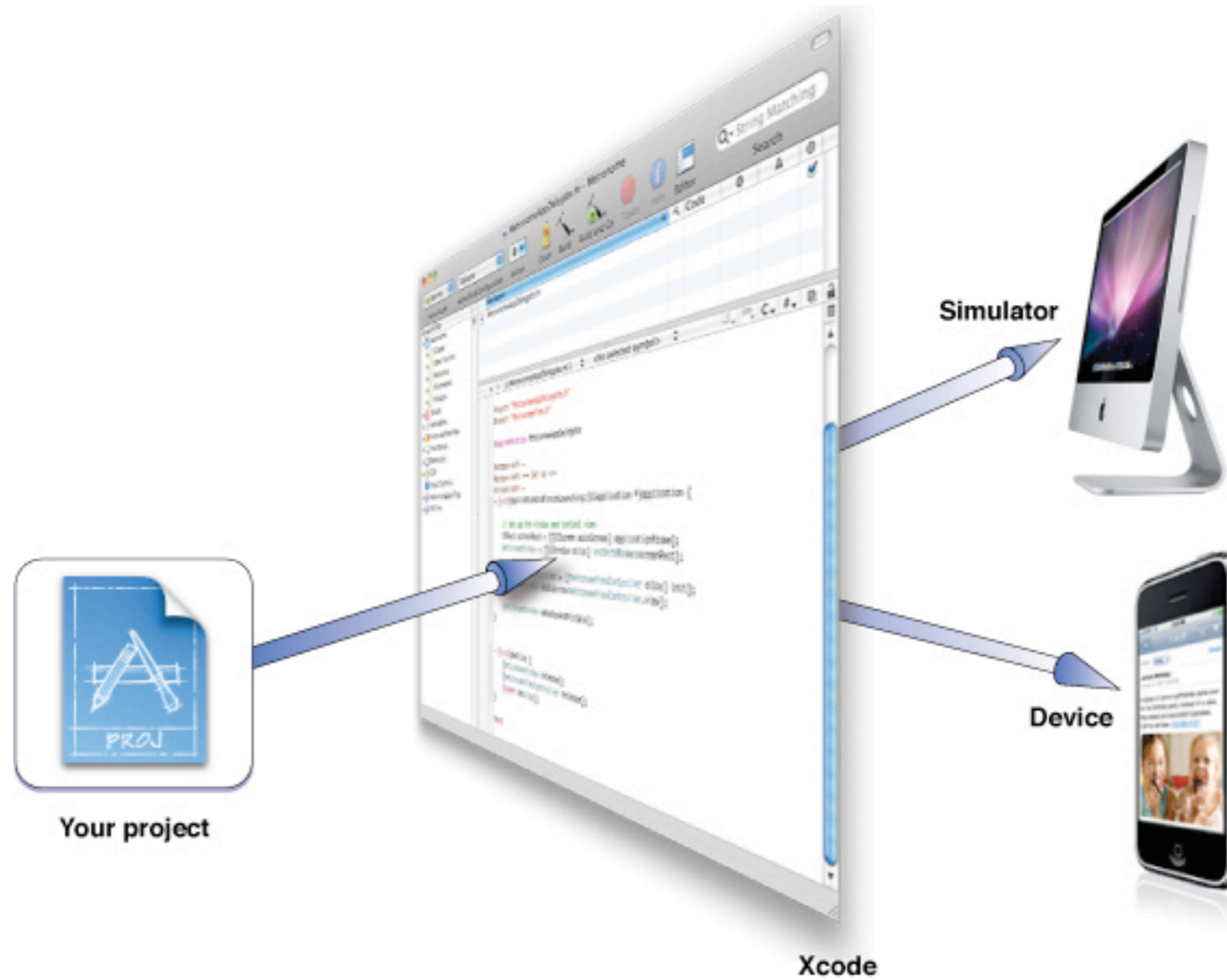
walkthroughs

wednesdays

app party

fri 5/4

Xcode



iOS SDK

Xcode Tools

- Xcode
- Interface Builder
- Instruments

iPhone Simulator

iOS Reference Library

iOS frameworks

Address Book UI Framework

Event Kit UI Framework

Game Kit Framework

iAd Framework

Map Kit Framework

Message UI Framework

UIKit Framework

...



hello, demo!

break!