



THE BENEFITS OF USING JQUERY & JQUERY MOBILE

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Presentation Overview

1. Brief history of JavaScript
2. Native development vs. Web-development
3. JQuery/JQueryMobile Introduction
4. Disadvantages of using JQuery & JQueryMobile
5. Advantages/Benefits of using JQuery & JQueryMobile
6. Demonstration

1

JavaScript Beginnings

- Introduced in 1995
- Created by Brendan Eich
- Developed and compiled in two weeks
- Two former names
 - Mocha
 - LiveScript
- Agreement with Sun to name it JavaScript
 - Not very similar
- Submitted to the ECMA in 1997

1

Perception of JavaScript

- Not originally viewed as a powerhouse language
- Advantage: in-browser execution
- HTML5 integration

2 Native-apps vs. Web-apps

- Native-Applications

- An executable program that is written in the machine language of the hardware it is running in. Native Applications have been compiled into the machine language of that CPU. (Microsoft Office)

- Web-Applications

- An application in which some or all parts of the software are downloaded from the web each time the program runs. It may refer to browser-based apps that run within the user's web browser. (Google Docs)

2 Native-app Advantages

- Native-Applications
 - An executable program that is written in the machine language of the hardware it is running in. Native Applications have been compiled into the machine language of that CPU.
- Run locally
 - Doesn't make external call to run
- Fully integrated
- Offline execution

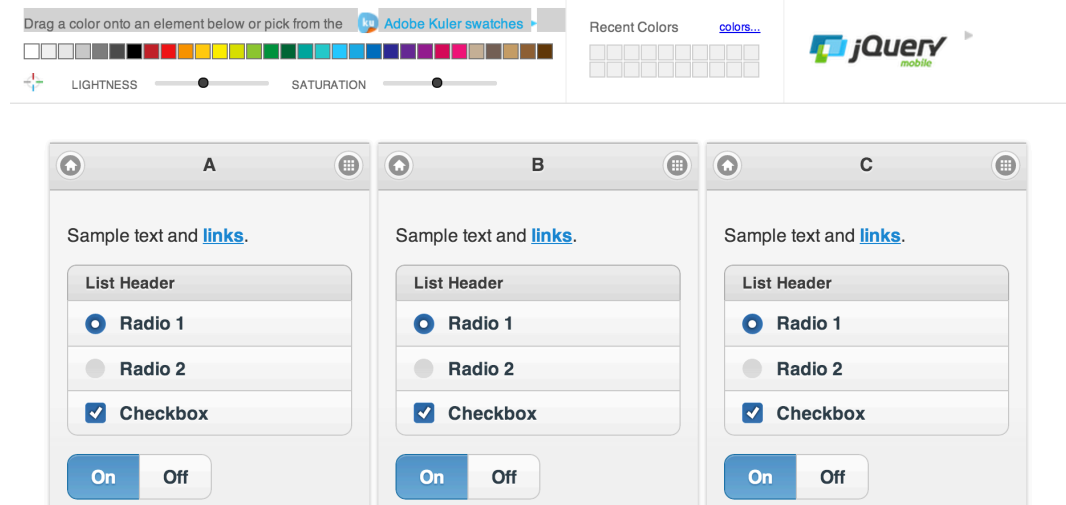
2 Web-app Advantages

- Web-Applications
 - An application in which some or all parts of the software are downloaded from the web each time the program runs. It may refer to browser-based apps that run within the user's web browser.
- Doesn't require local storage
- Pushed Updates
- Accessibility
- No app store

3 JQuery and JQueryMobile Introduction

- JQuery released in 2006
 - Open Source
 - Most Popular
 - “\$” method
- JQueryMobile introduced in 2010

- Compatibility
 - Tier system
- ThemeRoller
- “Data-” function



4 Disadvantages of JQuery and JQuery Mobile

- ❑ Functionality limits
- ❑ Files required
- ❑ Performance Issues
- ❑ Programming Knowledge

5 Advantages of JQuery and JQuery Mobile

- Browser Compatibility
- Learnability
 - “...I was able to build a working, rough version of my app over a weekend. That is with no prior HTML5 / JQuery Mobile experience. Compared to Android and iOS, it is far faster to build out your UI and logic using JQuery Mobile and HTML5 than either platform natively.” – Naill Higgins
- Elimination of functions
- Time to market
- Cheaper

Works Cited

- <http://mashable.com/2011/03/17/javascript-html5/>
- <http://www.wakeuplater.com/index.php/website-building/evolution-of-websites-10-popular-websites.aspx>
- <http://www.wiredsolutions.ca/Article/Details/programming-languages>
- <http://searchsoa.techtarget.com/definition/object-oriented-programming>
- <http://www.webdesignerdepot.com/2012/09/jquery-the-good-the-bad-and-the-ugly/>
- <http://www.javacodegeeks.com/2013/12/native-vs-mobile-web-vs-hybrid-applications.html>
- <http://www.wired.com/2012/11/native-apps-vs-mobile-web/>
- <http://www.jscripters.com/jquery-disadvantages-and-advantages/>
- <http://www.appnovation.com/blog/natives-are-restless>
- <http://cijhriq.com/blog/the-history-of-javascript-in-a-nutshell/>
- <http://niallohiggins.com/2011/09/23/3-pros-cons-mobile-apps-with-jquery-mobile-and-html5/>
- <https://www.ibm.com/developerworks/mobile/library/mo-jquery-responsive-design/>
- <http://mashable.com/2012/11/12/javascript/>
- <http://www.ecmascript.org/>
- <http://davidbau.com/javascript/learn/00-preface.html#preface>
- <http://jquerymobile.com> & <http://jquery.com>
- https://www.w3.org/community/webed/wiki/A_Short_History_of_JavaScript
- <http://trends.builtwith.com/>
- <http://www.similartech.com/categories/javascript>



QUESTIONS?

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