

Turn Your Web App Into a Mobile App With PhoneGap

Eric White
University of Wisconsin Survey Center
University of Wisconsin-Madison

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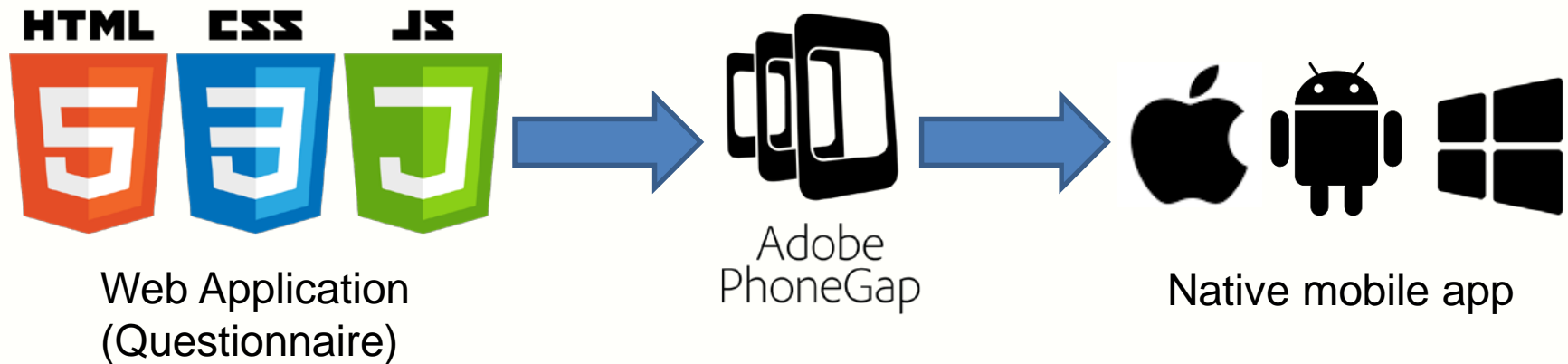
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Disclaimer

- I'm not an expert

What is PhoneGap?

- PhoneGap is an open source solution for building cross-platform mobile apps with standards-based Web technologies like HTML, JavaScript, CSS.



Why use it?

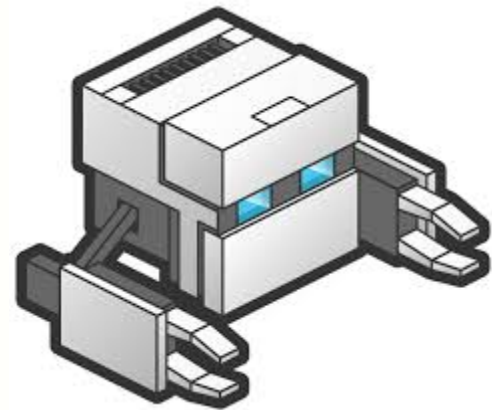
- Easy entry into world of mobile data collection
- No new mobile-specific products learn or license
- Leverage existing web developer experience
 - HTML5, CSS, JS
- Same code base for multiple platforms
- Very little modification required to convert web forms and applications to installable mobile apps
- Tablet-based CAPI data collection on a budget

PhoneGap vs. Cordova

- PhoneGap is the Adobe version the Cordova framework
- Cordova is the underlying engine of PhoneGap
- Both
 - Open source
 - Free to use
 - Apache license

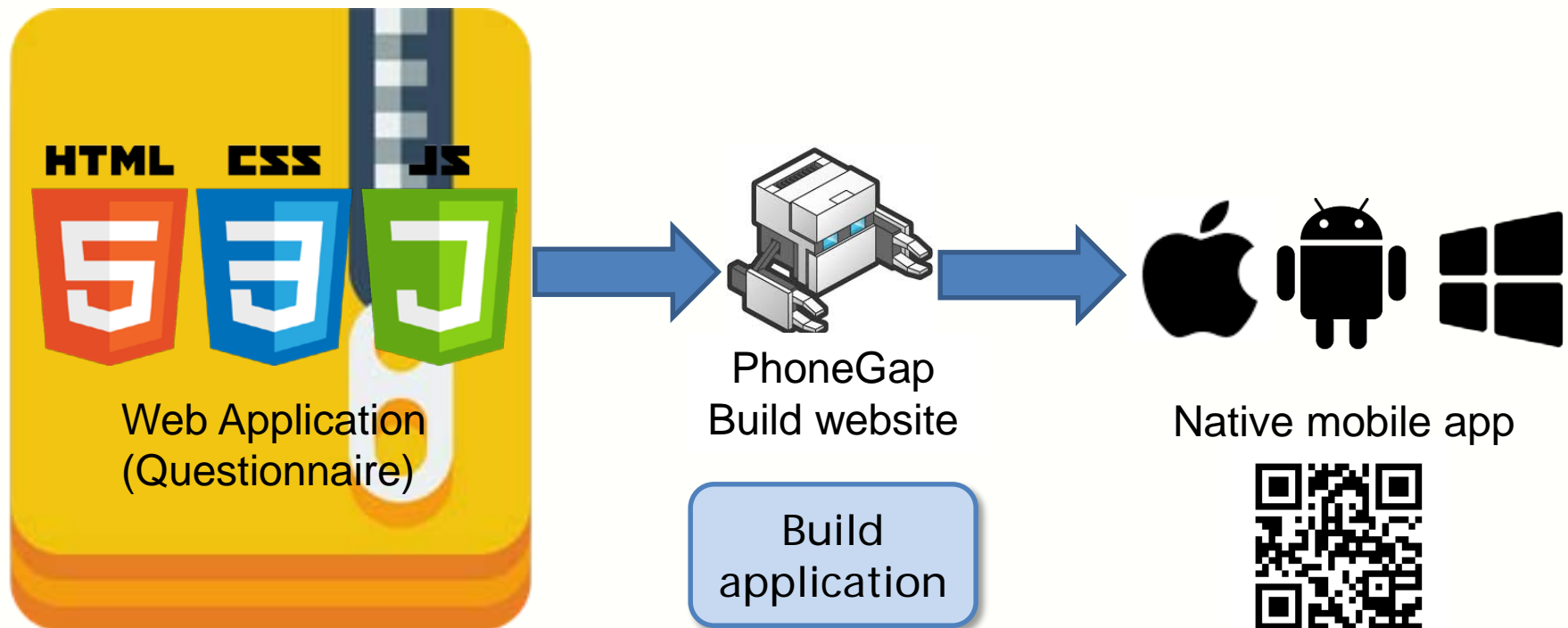
PhoneGap Tools

- Command line interface (CLI)
 - Node.js
- Desktop app
 - Mac and Windows
- Developer mobile app
 - Quickly deploy to and test on mobile devices
- Build cloud service
 - Upload and build
 - No local SDK required



PhoneGap Build

- PhoneGap Build cloud service
- Zip, upload, build, install
- No local PhoneGap tools required



Additional Features

- Plugins
 - Add-on code that provides a JavaScript interface to native components
 - Allow your app to use native device capabilities (camera, compass, accelerometer, etc.)
 - Hundreds available
- Hydration
 - Automatically push out app changes
 - Installed app checks for new versions on startup
 - Prompts user to update
- Integration with Visual Studio, Eclipse, Xcode

Caveats

- Debugging
 - No more browser development tools
 - GapDebug

Conclusion

- Very low barrier to entry
- Build on existing web development expertise
- Active developer community
- Price is right
- <http://phonegap.com/>

Thank You!

For copies of this presentation or more information, contact:

Eric White
ewhite@ssc.wisc.edu

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