IBM MobileFirst

The Cost of a Bad App

(and how to deliver a good one, fast)

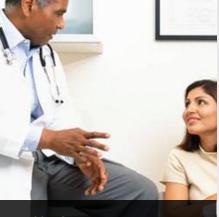




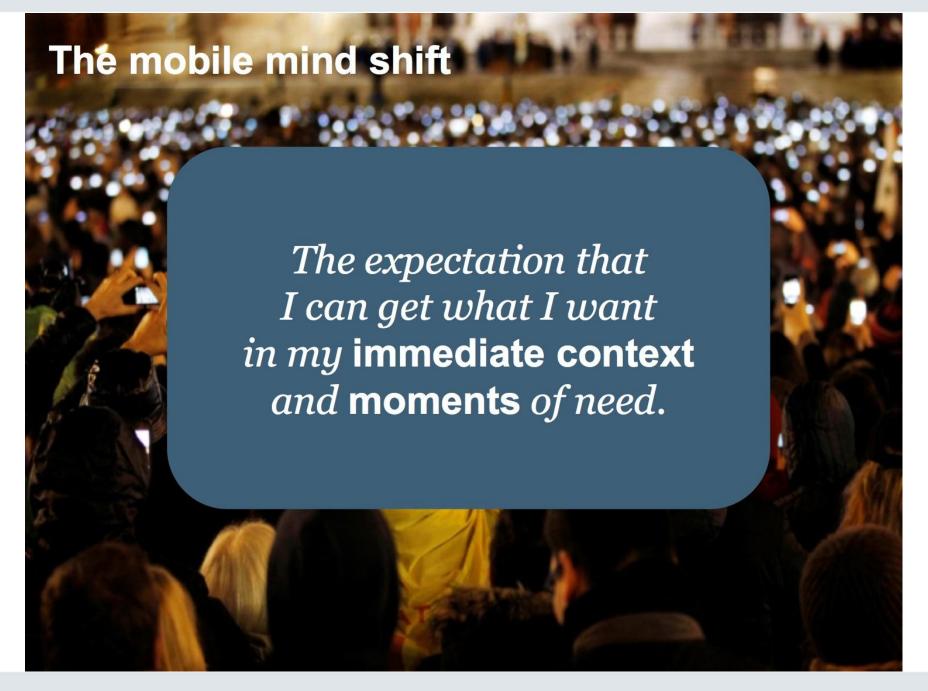
The average person checks their phone 150 times



200 million mobile workers will use a business app this year



70% of consumers aren't confident enterprises are adequately protecting personal data



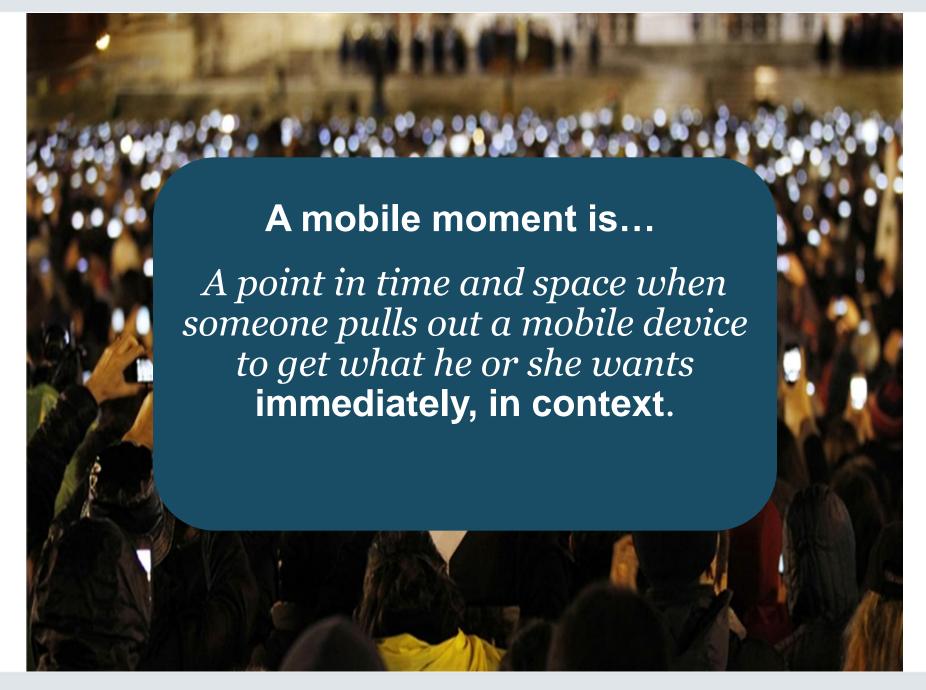
Let's define mobile

- Today, mobile apps are device-specific, and have the following characteristics¹
 - Offline capability
 - Mobile experiences
 - Multi-sensor interactions
 - Push notifications and messaging
 - Application integration

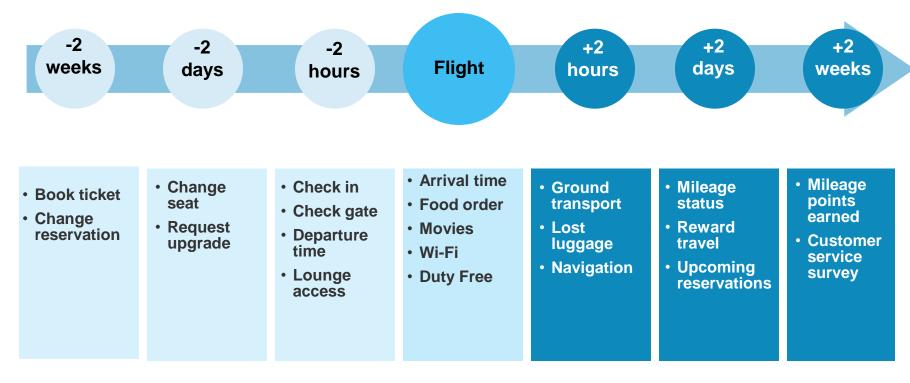
1 = Source: "Mobile App Or Mobile Web? It's A Choice, Not A Battle", Forrester Research, December 17, 2013





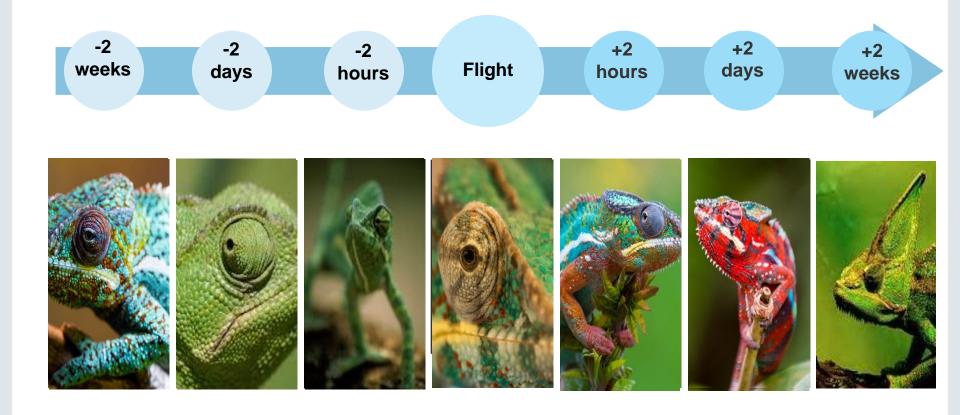


Successful mobile apps engage users in their mobile moments



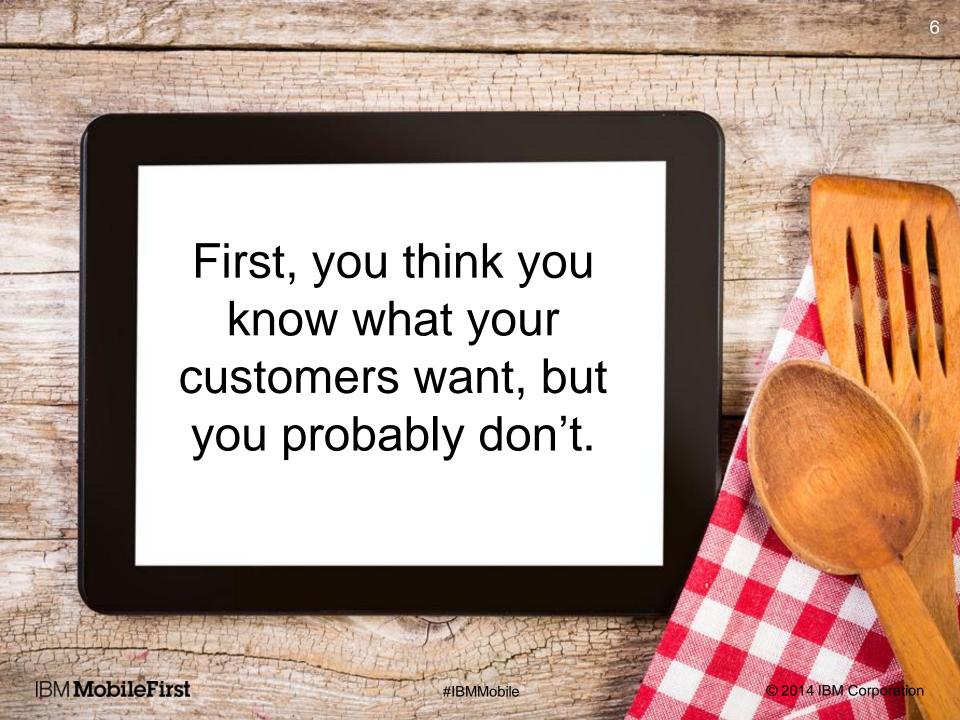
Event

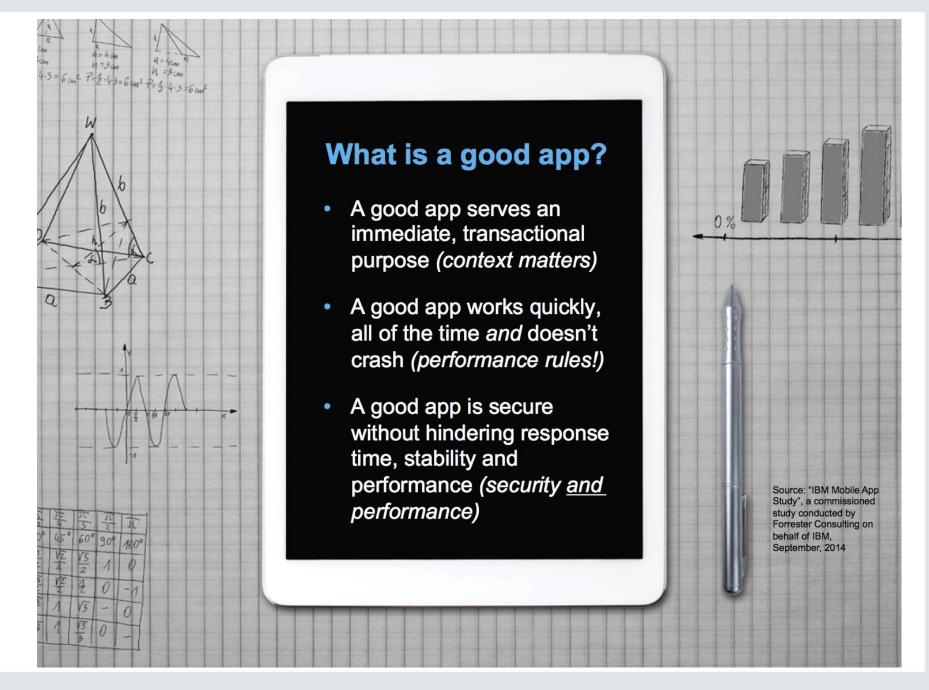
Your experience needs to morph or "change its color" based on context

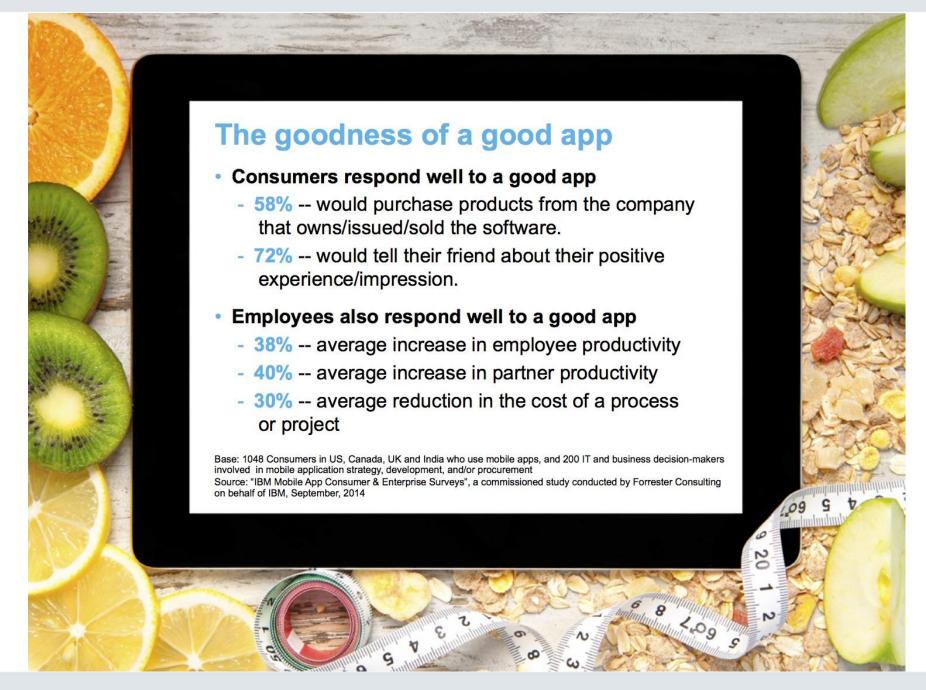




Base: 1048 Consumers in US, Canada, UK and India who use mobile apps Source: "IBM Mobile App Consumer Survey", a commissioned study conducted by Forrester Consulting on behalf of IBM, September, 2014







What's the cost of not getting it right?

- Consumers react decisively to a bad experience across touch points:
 - 65% -- would not purchase products from the company that owns/ issued/sold the software.
 - 63% -- would tell their friend about their negative experience/ impression.
 - 50% -- will uninstall the app if they have problems Generally less willing to interact with the company on its website or via social media.

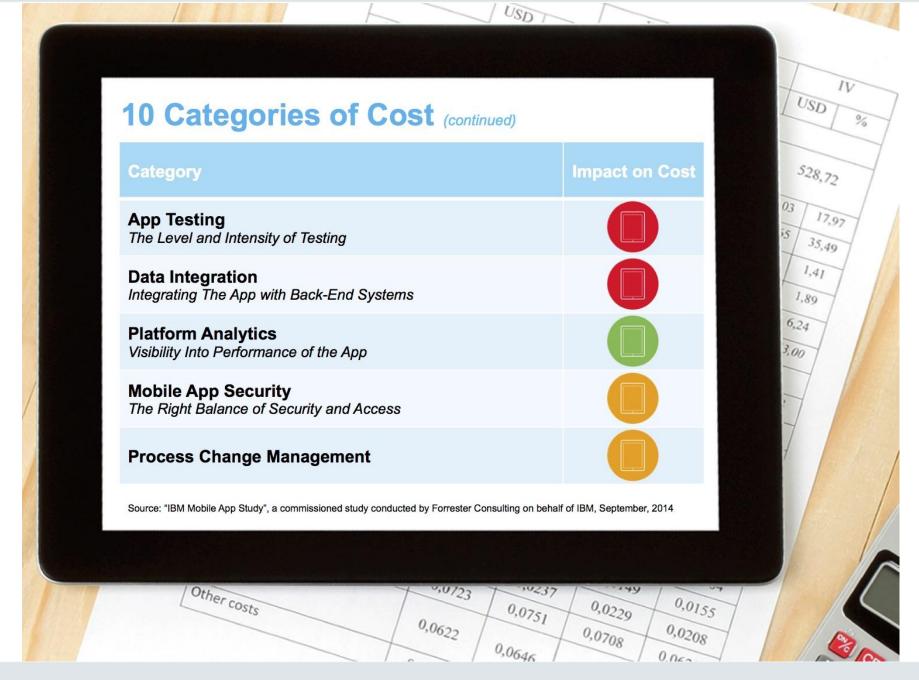
Employees:

- Get stuck and can't continue doing their work when the app doesn't work (or spend additional time working around the app's poor performance).
- Do not adopt the app as a productivity tool, yielding the enterprise no productivity gains.

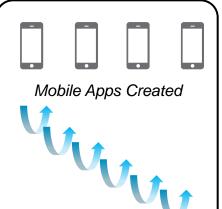
Base: 1048 Consumers in US, Canada, UK and India who use mobile apps, and 200 IT and business decision-makers involved in mobile application strategy, development, and/or procurement

Source: "IBM Mobile App Consumer & Enterprise Surveys", a commissioned study conducted by Forrester Consulting on behalf of IBM, September, 2014





Development approaches with the same annual mobile app budget can produce vastly different results

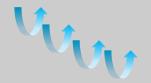


Releases Per App

Increasing value around productivity and revenue generation



Mobile Apps Created



Releases Per App

Meets expectations, but not maximum ROI



Mobile Apps Created



Releases Per App

Misses productivity and revenue opportunity; may present risks to brand and/or security

Optimal

Average

Suboptimal

Source: "IBM Mobile App Study", a commissioned study conducted by Forrester Consulting on behalf of IBM, September, 2014

... As are the negative impacts of getting them wrong

Based on survey results and qualitative interviews

Organizations risk doubling their costs

2x

to deliver an app if they are not mindful of the 10 drivers of cost

With a limited annual budget and growing demand for internal employee and external customer apps, organizations that deliver apps more cost-effectively can do more their budget — leading to more revenue generation opportunities and productivity gains.

Source: "IBM Mobile App Study", a commissioned study conducted by Forrester Consulting on behalf of IBM, September, 2014

Now, how to deliver a good app -- fast



Building blocks for good apps

Short time to market

Push

upgrades

Web? Hybrid? Native?



Teamwork

Industrialize app

Integrate with SDLC

30%

of the value and effort is visible (mobile UI)

Front-end

Back-end



User engagement

Connect to back-end

Efficient and flexible push notifications

Track and leverage location

Offline availability

B2E app distribution

Security

User authentication Malware detection

Data protection 70%

of the value and effort lies under the surface

Manage and enforce app versions

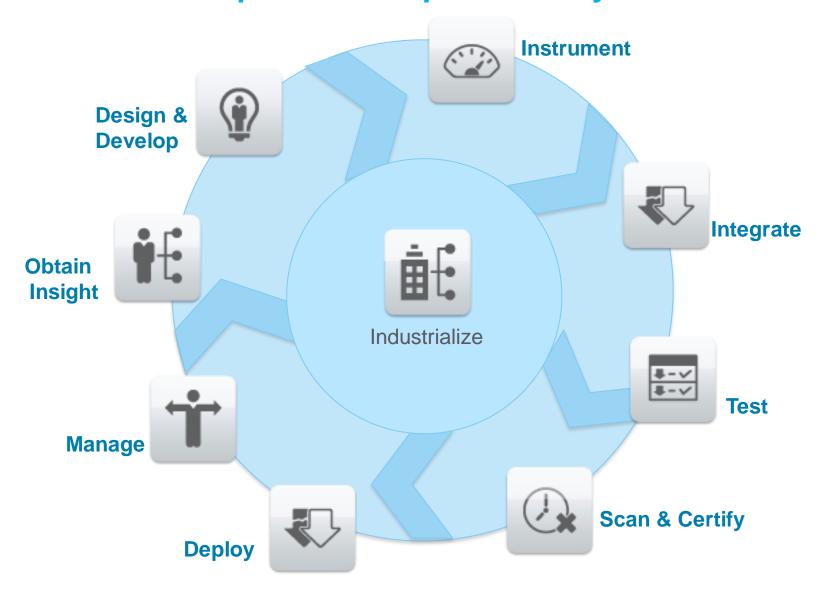
Track problems that affect UX

Operations

Ensuring continued support in a quickchanging landscape



The mobile enterprise development lifecycle





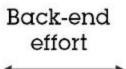
Today, most organizations have no choice but to focus mobile efforts "under the surface"

IBM MobileFirst reduces your mobile back-end effort so that you can focus on creating value where it matters most

– your customers' experiences









Maximize
effort
on user
experience
Minimize
effort on
back end



How IBM enables the delivery of a good mobile app

IBM **MobileFirst** Platform

Efficiently build, secure, continuously improve and operate mobile apps that make a difference for customers or employees

- Cross-platform or dedicated native development
- Essential backend infrastructure
- One platform, get it your way: cloud; on premise; iOS edition

IBM **MobileFirst** Protect

Seamlessly secure and manage your devices, applications, content and transactions

- Advanced mobile management
- Secure productivity suite
- Secure gateway access
- Secure document sharing
- Advanced threat protection and prevention

IBM ExperienceOne

Understand, engage and optimize mobile customer interactions to maximize the moments that matter most

- Push notification and mobile campaign management
- Mobile customer experience analytics, and digital analytics
- Intelligent location detection
- Mobile store and commerce



Get started with IBM MobileFirst



Try the IBM **MobileFirst** Platform ibm.com/developerworks/mobile



Learn more about the evolution of enterprise mobile and IBM **MobileFirst** Software Services at ibm.com/mobilefirst



Schedule a meeting for IBM to talk to you about your mobile strategy

