



## Mobile Testing Services

The mobile explosion has placed powerful devices in the hands of everyday people. This advancement adds entirely new dimensions of complexity to development and testing teams already strapped for time and resources. To be successful, mobile development teams must devise new testing strategies, drawing from a set of tools, processes, and techniques that differ from those used on traditional software projects. To a large extent this strategy should resemble what is already familiar and successful in your organization, built around principles of requirement-based, structured, risk-based testing. However, some components of the strategy will be new and specific to testing in the world of smartphones, tablets, and other mobile devices.

Is your testing team ready for these new challenges? Is your mobile development team forced to test their own product due to unavailability of testers who are skilled in new mobile strategies? Are you constantly swapping smartphones and tablets and renegotiating contracts, data, and support plans with various cellular providers? Are you just testing on the couple of devices you have in house and hoping for the best? Let us bring our experience in mobile device testing to your organization; we can help you define an appropriate strategy for testing individually or alongside your existing team.

SDLC Partners' Software Testing and Quality Assurance practice has introduced this new testing discipline to multiple clients in various industries. We know how to mitigate software quality risk by controlling the dizzying array of independent variables introduced by consumer device testing. By using a combination of manual and automated testing methods, we are able to mitigate challenges in these three facets of mobile testing:

**Manage** – from the creation of a mobile test strategy to the deployment of your mobile app or website, our leadership will ensure your quality risks, priorities, constraints, and the test effort itself is effectively managed

**Collaborate** – we play to our strengths as software test professionals and leverage your strengths as domain and discipline experts; from that collaboration we get the highest value

**Execute** – our entirely US-based team stays current with mobile technologies, testing techniques, tools, and mobile test automation approaches

### Manage

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For many businesses today, a mobile app or mobile website is the first opportunity a new or existing customer has to interact with your organization, and you only get one chance to make a first impression. Attention spans are short and patience is fleeting for web and mobile users as competition for consumers continues to increase. Ironically, these applications and websites are your newest, most rapidly-developed, and possibly least-stable technical assets. Speed to market is crucial; yet poor quality can lose a new customer before you even know she exists.

Some of our clients "hired in" a mobile development capability and struggled to integrate it with their old-school yet mature and effective IT organization. Other clients had mobile development absorbed by already stretched resources who are ill-prepared to take on the unique challenges that face testing for a much larger and much more demanding audience than ever before. At SDLC Partners, we have worked with companies of all sizes to manage, build, and implement mobile device testing strategies that fit within your new development framework. We can show

you how to manage changing market requirements along with our changing business and technical constraints to still deliver high quality, flexible, dynamic, and cost-efficient testing solutions.

## Collaborate

Testing for mobile applications and mobile websites can seem like shooting at a moving target. Competition between hardware designers and software developers to dip into the wallets of the sometimes fickle technology consumer adds layers of complexity to an already complicated application development and testing landscape. By partnering with a team of professional testers with experience navigating the winding roads of mobile and device testing, you can focus on meeting the needs of your customers.

Our software testing and quality assurance practice is experienced in collaborating on mobile website and application development and testing, both in-house and on client engagements. We can help you understand the various roles involved in ensuring high quality mobile solutions and can work with you to embrace emerging technology and navigate risk throughout your development process.

## Execute

The explosion of the smartphone and tablet marketplace has changed the face of application development and testing permanently. Next up will be nuances required to accommodate smartwatches, smartglasses, and so on.

The mobile test engineers within our software testing and quality assurance practice can develop the specialized, flexible, automated tests that your team doesn't have time and/or skills to build or maintain and show you cost savings in the long run. By incorporating a combination of traditional testing strategies and techniques with today's automation and virtualization tools, we can help you invest in an approach that will grow with you. Let SDLC Partners share our expertise in full-lifecycle software

testing with your organization and help you build a cost-effective long-term test automation approach that allows you to better use your business and technical resources toward a high-quality, quick-to-market solution.

Our success spans a diversity of client industries, technologies, and methodologies. Here are some considerations when we customize an engagement for a new client:

- We can work at your facility, in our Solution Center in downtown Pittsburgh, or a combination of the two
- We can solely develop the solution, or we can co-develop with your team
- Fixed price or T&M engagement model
- After automation build-out is complete, we can turn over to your team (and provide training on automation and virtualization tools), or we can continue to maintain and execute scripts as needed
- We can embed with your team and synchronize manual and automated mobile/device test development with your iterations/sprints, or we can create our coverage independent of your development projects

Our ability to provide and adapt a flexible team in both size and skill allows you to focus on the critical components of your organization: your customers and core competencies. We'd like to introduce our practice leadership to you and your team, learn more about your testing challenges, and determine how we can help you.

### Headquarters

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### Solution Center

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