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Test Case Template for Mobile App Testing in Startups

Posted by [Martin Poschenrieder](#) on October 22nd, 2015

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Our initial efforts, prior to forming testmunk, were in the app development sphere, much like our clients. In developing our own consumer apps ([Tipgain](#) and [HiMom](#)), we had the same growing pains, and found our testing process to be initially very chaotic. Our [lab](#) consisted of a few devices shared between us, and our release process was very simplistic; if we felt a release was ready, we would each poke around on our pool of devices to determine if key functionality worked as expected or if we experienced bugs or crashes. If you are a small startup with only a couple of people, you know what I am talking about. However, as time goes on, the features start growing, the app becomes more complex, and of course, things soon began to be missed during testing. Of course, surprise surprise, our users began to find the bugs that slipped through our QA process, forcing us to adapt, and to realize we needed a more formal process. In these initial efforts to improve our process, we devised a spreadsheet to help track our process. In this spreadsheet, we listed all the test cases we could think of (for our particular apps) and arranged them to be run through from a functional testing point of view.

This led us to some surprising realizations...even a small, early stage startup can have easily between 30-50 test cases. Later on, when our client base grew, we would find that the larger the startup or company, the larger a testplan had to be. With several clients, we have seen testplans with several hundred or even thousands of testcases.

#	A	B	C	D	E	F	G	H	I	J
1	#	Functionality	Scenario	Description	Notes	Tested by	Automated	iPhone 6S - iOS 9.1	iPhone 6S Plus - iOS 9.1	iPad Mini (Gen 1) - iOS 8.2
2	1	Startup	App loads	After tapping on app icon app. Login screen loads within 2 seconds.		Testmunk	Yes	Pass	Pass	Pass
3	2	Login	As an existing user I can log in	Login with existing account (Type testuser@gmail.com and PW: test12 and hit 'Sign in' button. You need to come to next screen where it shows "Welcome testuser")		Testmunk	Yes	Pass	Pass	Pass
4	3	Login	User with invalid password cannot login	Login with existing account (Type testuser@gmail.com) and PW: test12). You need to come to next screen where it shows "Welcome testuser"		Testmunk	Yes	Pass	Pass	Pass
5	4	Create Account	New user can create account	On Signup screen enter new username and pw credentials. You should be directed to "Welcome testuser"	App crashed. Bug ID: XYZ	John	No	Fail	Pass	Pass
6	5	Create Account	Incorrect email	Sign up with an invalid email address z.B. "testuser2". Error message "Please specify a valid email address" should appear.	https://testmunk.com/testrun/5480cf4ee4b04d4c15b7bee55testcase/5480d12a744e869321bc1a53	Testmunk	Yes	Pass	Pass	Pass
7	6	Create Account	Password too short	Sign up with an invalid PW that has less than 3 characters z.B. "12". Error message "Please specify a valid password" should appear.		John	No	Pass	Pass	Pass
8	7	Create Account	Input missing	Go on Sign Up screen and just hit the 'Sign Up' button. Both the username and password field should be indicated with the error message "Please specify a valid email address" and "Please specify a valid password"		John	No	Pass	Pass	Pass

Legend:

- A: The view/screen where the primary action is being performed.
- B: Title of the test case.
- C: Test steps that have to be performed for this test case.
- D: Notes or comments about the testresult
- E: Person who tested it.
- F: In case you have automation in place. Indicate if you still have to test it manually.
- G: Test devices you use for your testing and your note if the test was successful or not.

Test Case Template

If creating your testing process from scratch, the first step is to establish some sort of formal list of all possible (or at least the most probable) scenarios. This will help to bring some order to the chaos of the typical testing process for early startups. At Testmunk, helping companies to set up an initial test plan focussing on listing test cases is often our first order of business, and can be one of the key benefits of our process. This typically starts by simply walking through the app with our client and helping to create their plan. In most cases, the first tool on hand is the same tool we used in our first formalized test plans – google spreadsheets. There are of course more formal testcase management solutions out there, including some [free versions](#) we previously wrote about.

As we routinely create such test case templates for our clients, we thought we would share this [test case template](#) with our readers in order to help raise your startup to the next level (should you need it). We commonly use a similar template when clients ask us to help them getting started in

streamlining their QA testing process. Feel free to copy it and then modify it to your own means.

[Click here to get the Test Case Template](#)



About the author:

Martin Poschenrieder has been working in the mobile industry for most of the past decade. He began his career as an intern for one of the few German handset manufacturers, years before Android and iPhone were launched. After involvement with several app projects, he soon realized that one of the biggest pain-points in development was mobile app testing. In order to ease this pain, he started Testmunk. Testmunk is based in Silicon Valley, and provides automated app testing over the cloud.

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Testmunk automates mobile app testing

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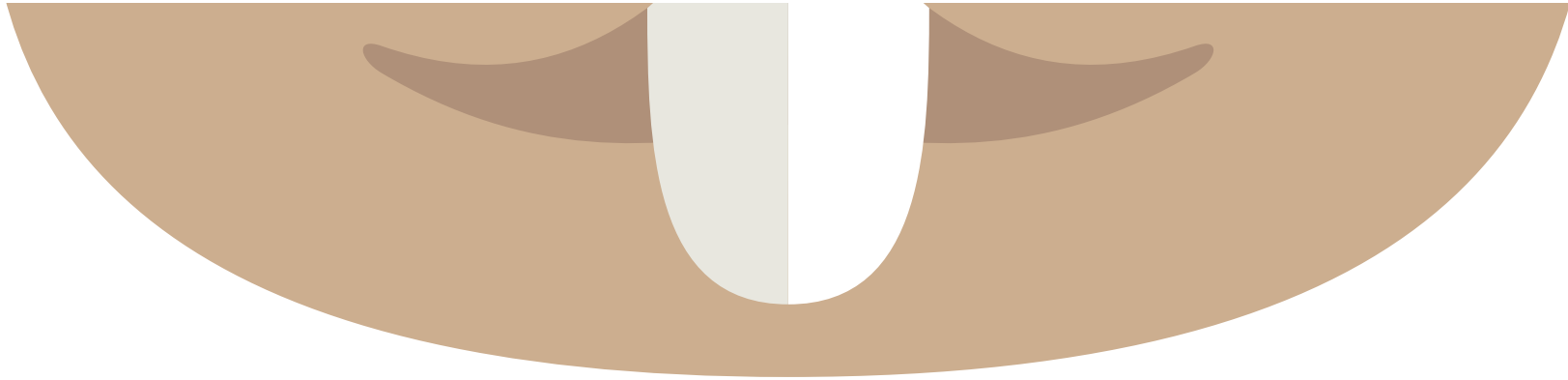
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