

Becoming a Pro

IN Mobile Applications Testing



Mobile Test Industry Standards

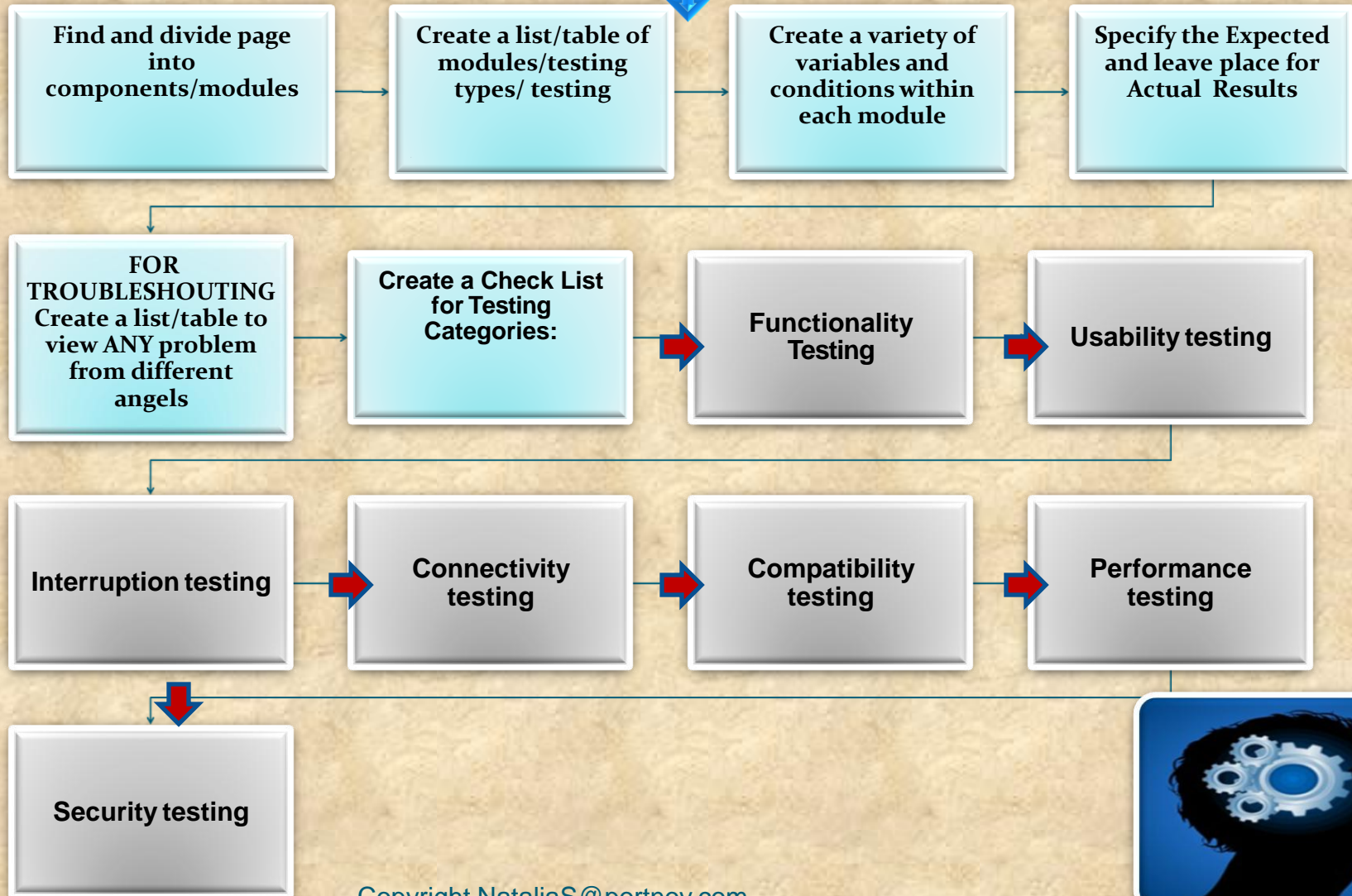
Testing Strategies for Mobile Apps : **LETS PRACTICE**



Mobile Test Industry Standards

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How to Start Testing a Mobile Page



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Testing Strategies for Mobile Apps : **LETS PRACTICE**

Consumers behaviour only on the basis of experience delivered by app



29%

of smartphone users
will immediately
switch to another site
or app if it doesn't
satisfy their needs



70%

of them do so
because of lagging
load times



67%

will switch if takes
too many steps to
purchase or get
desired
information

Mobile Test Industry Standards :

Testing Strategies for Mobile Apps

GUI TEST Checklist

Navigation

Formatting

Color and fonts

Scrolls

Controls and alignments

Spelling and grammar

Justification

Look and feel

Default and shortcut keys

Tab

Opening input

Alternatives

Behavior

Modality and multiple windows

Contrast

Images

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Testing Strategies for Mobile Apps : **LETS PRACTICE**

top considerations for creating
a release CHECK LIST for mobile
app testing

Application Installation/Update

Application Sign Up & Log in

Subscription scenarios

Application Sanity Suit

APP works in different Mobile modes

User Friendly

Network connectivity

Data save conditions

Mobile interruptions

Battery Consumption

Mobile memory utilization

Mobile data utilization

Screen scrolling application screen

New OS release support

correct implementation of AdMob or
other mobile ad platform

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Test case	Sub-Category	Description	Result
1. Installation		Verify that app can be Installed Successfully	App should be able to install Successfully
2. Un-installation		Verify that app can be Uninstall Successfully	User should be able to uninstall the app successfully
3. Network Test Cases		Verify the behavior of app when there is Network problem and user is performing operations for data call	User should get proper error message like "Network error. Please try later"...
		Verify that User is able to establish data call when Network is back in action	User should be able to establish data call when Network is back in action

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TC	Sub-Category	Description	Result
4. Voice Call Handling	Call Accept	Verify that User can accept Voice call at the time when app is running and can resume back in app from the same point	User should be able to accept Voice call at the time when app is running and can resume back in app from the same point
	Call Rejection	Verify that User can reject the Voice call at the time when app is running and can resume back in app from the same point	User should be able to reject the Voice call at the time when app is running and can resume back in app from the same point
	Call Establish	Verify that User can establish a Voice call in case when app data call is running in background	User should be able to establish a Voice call in case when app data call is running in background

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TC	Sub-Category	Description	Result
5. SMS Handling		Verify that User can get SMS alert when app is running	User should be able to get SMS alert when app is running
		Verify that User can resume back from the same point after reading the SMS	User should be able to resume back from the same point after reading the SMS
6. Unmapped Keys		Verify that unmapped keys are not working on any screen of app	Unmapped key should not work on any screen of app
7. Application Logo		Verify that app logo with App Name is present in app manager, on the App screen page, widgets (opt.) and user can select it	Application Logo with App Name should be present in app manager, on the App screen page, widgets (opt.) and User can select it.

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TC	Sub-Category	Description	Result
8. Splash Screen		Verify that when User selects app Logo in Splash is displayed. Note: Splash do not remain for fore than 3 sec Note: A splash screen is an image that appears while a game or program is loading.	When User selects app, Logo in app Splash should be displayed
9. Low Memory		Verify that app displays proper error message when device memory is low and exits gracefully from the situation	App should display proper error message when device memory is low and exits gracefully from the situation
10. Clear/Back Key		Verify that Clear key should navigate the User to previous screen	Clear Key should navigate the User to previous screen
11. End/Home Key		Verify that End Key should navigate the User to native Device screen	End Key should navigate the User to native Device screen

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TC	Sub-Category	Description	Result
12. Visual Feedback		Verify that there is visual feedback when response to any action takes more than 3 sec	There should be visual feedback given when response time for any action is longer than 3 sec
13. Continual Keypad Entry		Verify that continual key pad entry do not cause any problem. Note: Continual Keypad test consist in a multiple key press, done quickly as possible, in order to load at maximum capacity the handset's memory	Continual key pad entry should not cause any problem in app
14. Exit Application		Verify that User is able to exit from app with every form of exit modes such as Flap, Slider, Home Key or Exit option from any point of app	User should be able to exit with every from of exit mode such as Flap, Slider, Home Key or Exit option from any point of app
15. Charger Effect		Verify that when app is running then inserting and removing charger do not cause any problem and proper message is displayed when charger is inserted in device	When app is running, then insertion or remove of charger not cause any problem, and proper message displayed .

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TC	Sub-Category	Description	Result
16. Low Battery		Verify that when app is running and battery is low, then proper message is displayed to the User.	When app is running and battery is low, there should be proper message displayed to the User
17. Removal of Battery		Verify that removal of battery at the time of app data call is going on do not cause interruption and data call is completed after battery is inserted back in the device	Removal of battery at the time of app data call is going on should not cause interruption and data call should be completed after battery is inserted back in the device
18. Battery Consumption		Verify that app does not consume battery excessively	The app should not consume battery excessively
19. Application Start/Restart		Find the app icon and select it. Press tab on the Device to launch the app. Observe the app launch in the timeline defined.	App must not take longer than 25 sec to start

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TC	Sub-Category	Description	Result
20. Application Side Effects		Make sure that your app is not causing other apps of device to hamper	Installed app should not cause other apps of device to hamper
21. External incoming communication infrared		App should gracefully handle the condition when incoming communication is made via InfraRed	<p>When incoming communication enters the device, the app must at least respect one of the following:</p> <ul style="list-style-type: none">A. Go into pause state during InfraRed session and automatically continue from the point it was suspended at after the InfraRed session is doneB. Give a visual or audible notification <p>The app must not crash or hung.</p>

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TC	Sub-Category	Description	Result
22. Bluetooth interrupt:		When a file transfer is taking place with Bluetooth, the application must be paused and should be resumed from the same point after the transfer is done	



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HOMEWORK

Write as many Test Cases you can for this simple app on Mobile device with three buttons (A, B and C) that making different sounds upon tapping on it.

A - for Audio 1

B - for Audio 2

C - for Audio 3

You are free to create conditions and Rules for each button , but be consistent.

Write Test Cases (use previous slides for hints).

HAVE FUN !

main page

My Application Features

