

Mobile Application Non-Functional Testing Checklist

Scenario	Objective	Pass/fail	Remarks
Application response time	Does application takes time as low as possible to load? Also the screen refresh times?		
Application processing time	To verify that, does application takes time for accepting to perform key functions or expot/import data as low as possible?		
Application query and reporting time	To check that, is that application taking time as low as possible to query execution & reporting time?		
Application response with different networks	Does application responding properly as required with network (2G, 3G, 4G, WiFi) variations on device.		
Application interactions with device sensors	Does application will respond properly with the device sensors like GPS, accelerometer, amient light sensor, camera, etc? The application must respect the sensor's characterstics such as its operating range, sensitivity, accuracy, minimum polling interval, etc.		
Application stability & scalability	Does application will properly works as required if the application stay in background/foreground?		
Application response with Network signal drop or signal strength reduction	Does application properly working with network fluctuations with proper error handling in case of null/low/high networks?		
Application interaction with device interrupts, notifications and multi-tasking	Does application properly working as required with device interrupts, notofications & multi tasking like phone calls incoming/outgoing, SMS incoming/outgoing, other applications notifications, device OS multi tasking actions, etc?		
Application Battery Usage	Does application used the device battery as low as possible while it is using?		