**Mobile Testing Checklist**

**Requirements:** Ensure hardware meets the necessary specifications of application under test

**Functionality**

* Choosing the correct technology stack is very important. Familiarity is the first factor to consider
* To ensure a real-world environment is maintained while executing test cases, the test environment has to be as close to real-world situations.
* Login, logout functionality
* App response at the time of push notification
* Rejecting calls while the app is running
* How the app responds after every intrusion
* Power consumption
* Check every field and form
* Search functionality
* Compatibility with different OS and its versions
* Memory consumption
* UI errors
* Is the application working as designed whenever it starts and stops?
* Can other applications perform satisfactorily once the app is installed?

**Accessibility testing checklist**

* To check whether the text size is in accordance with the user’s phone settings.
* Orientation of screen after rotation.
* Test the non-text elements such as Description. Images, charts, graphs, audio/video content, etc.
* Ensure audio and video elements in the app have a proper text transcript.
* Check whether captions are given properly even for real-time audio and video.
* Audio control (for instance, while using the app the user is able to control volume despite the device audio).
* Make sure that the elements (touch targets) are of considerable size for people to access.

## Performance Testing

* App loading time
* Battery consumption
* Network scalability
* Memory and CPU utilization
* App performance during various load
* Cache size availability
* Rendering time 2D and 3D
* Offline performance
* App behavior based on network fluctuations
* Image processing time
* App performance during low memory scenarios
* App performance during various battery stages
* Performance of the app during low memory conditions
* App performance in various devices and OS versions
* Memory leakage of the application
* App performance once network resumes to normalcy

## Security Testing

* Manual site exploration
* Examining hidden data and aspects of the app
* Evaluation of user roles
* Ports and hostnames
* Third-party integrations
* Vulnerable files
* Have a clear idea about what kind of tests needs to be performed what important vulnerabilities need to be focused on
* Categories tests based on relevancy and the requirement some of the general categories are
* Platform configuration tests
* Functional loopholes and business flow check
* Sensitive data exposure
* 3rd party component check
* Session management issues
* Server related vulnerabilities
* Check if there are any authentication bypass
* Limit scenarios by creating them based on the checklist
* Data management and processing must be checked inside out
* Check the authentication verification capability of the app by testing by Default credentials
* Remember password feature
* Cache vulnerabilities
* Weak password policy
* Unencrypted channels that transfer credentials
* Session management capability of the application by analyzing
* Session Tokens for cookie flags
* Cookie duration
* Session termination
* Session management
* Randomness of the cookie