

Challenges in App Testing



Device fragmentation

Testing apps and optimizing their performance across all digital devices is highly complex due to the innumerable number of devices and versions. Device fragmentation is a major challenge that makes the testing process tedious.



Network types

Internet connection is evolving with emerging 4G and 5G trends, and not everyone uses the same internet connection type, this makes app testing with different network types very difficult.



Browser fragmentation

There are different web browsers available and testing apps across all the browsers is difficult due to high fragmentation. Hence, browser fragmentation is one of the major challenges faced by companies today while testing web apps.



Usability testing

As apps are tested by technical team and by a few users at the pilot phase, the audience reaction remains mystery until release and used by the real-world users. Usability testing is another challenge that companies face and need to be addressed.



Operating system version fragmentation

Web and mobile apps constantly release new version of the operating system to offer seamless user experience. The wide range of OS versions available causes fragmentation and is one of the major challenges faced by organizations.



User experience

Until an app is offering an excellent user experience, it can hardly succeed. The whole process of improving user experience involves a subset of many tasks that must be performed with attention to details to avoid any discrepancy in the bigger picture.



Device setting

Some of the setting in a device are specific to that particular device and testing for device-specific setting is important to ensure the app is working fine even with specific settings. This is one of the challenges faced by companies while testing the app.

