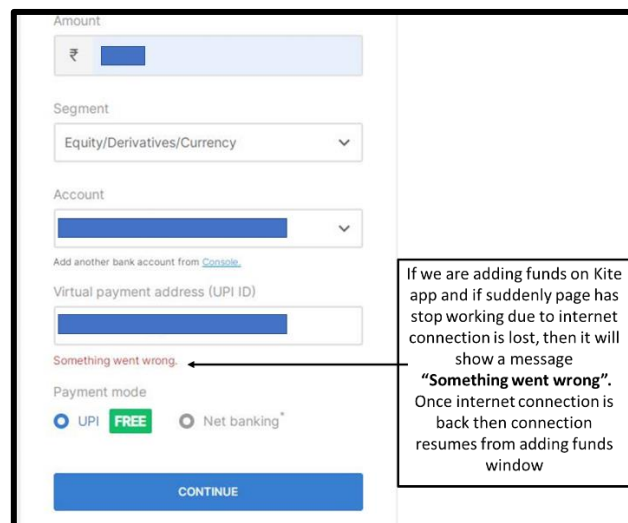
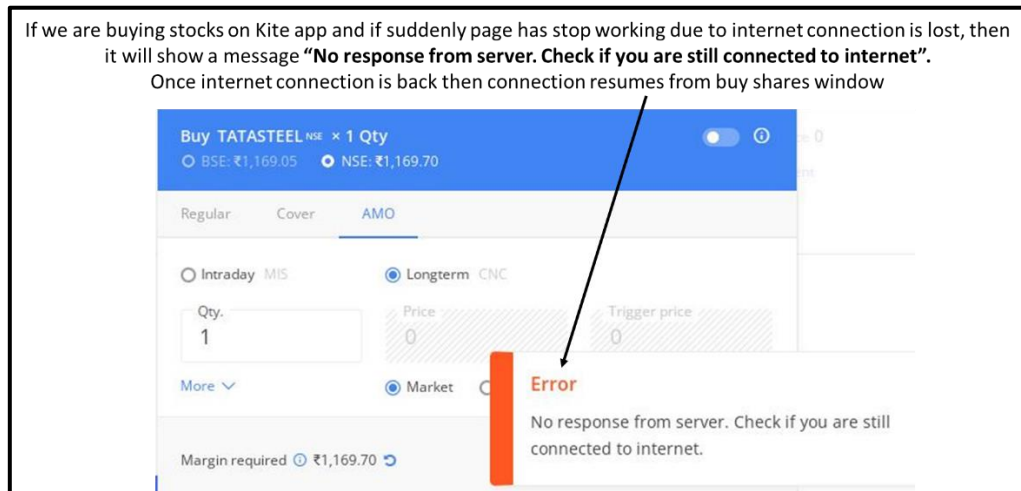


## Kite website

**Task: How a tester will perform a different non-functionality testing on kite application?**

**Non- functionality testing:** In this testing, as a tester we **validate**, whether the application is **running on particular operating system and browser or not** as per the stakeholder's requirements. There are **total 8 types/coverages in non-functionality testing**: 1) Recovery testing 2) Compatibility testing 3) Configuration testing 4) Installation testing 5) Inter system testing 6) Globalization testing 7) Parallel testing 8) Sanitation testing

- 1) **Recovery testing (Reliability testing):** As a tester we check whether, the application can recover from abnormal condition to normal condition or not. Eg. In kite app:



- 2) **Compatibility testing:** As a tester, we validate whether our application or build is **supporting** to **stakeholder's expected platform** or not. It involves **software as well as hardware compatibility** of software.

Compatibility testing comes with **two categories:**

- a) **Software compatibility:** Operating system support, Browser support & Application Support etc.

**Eg.** We can check whether Kite application runs on different operating system like windows, android etc. **For browser testing the cross browser** (on different browsers) and **version control** (different versions of same browser i.e. Google chrome version 97,96,95 etc.) testing will be done.

- b) **Hardware Compatibly-** Printers, & External Devices etc.

**Eg.** Printer compatibility on kite application

There are **2 types of compatibility testing**

1. Forward Compatibility Testing
2. Backward Compatibility Testing

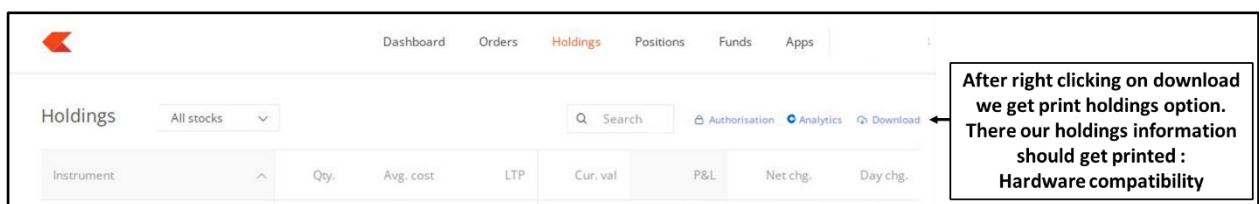
**1. Forward Compatibility Testing:**

- In this testing, if build / application is correct or but OS / Browser does not work properly
- If there is an issue in OS, then IT / technical support / administrative team – work on it or resolve the problem. In this, we get a smaller number of defects.

**2. Backward Compatibility Testing:**

- If OS / Browser is ok / correct, but build does not work properly then it comes under backward compatibility testing. In this testing, we get more no. of defects.

- 3) **Configuration Testing / Hardware Testing:** Validation of application/ software either support to hardware devices or not. This type of testing is done in product based organization and not done in service based organization. **Eg.** Printer compatibility on kite application



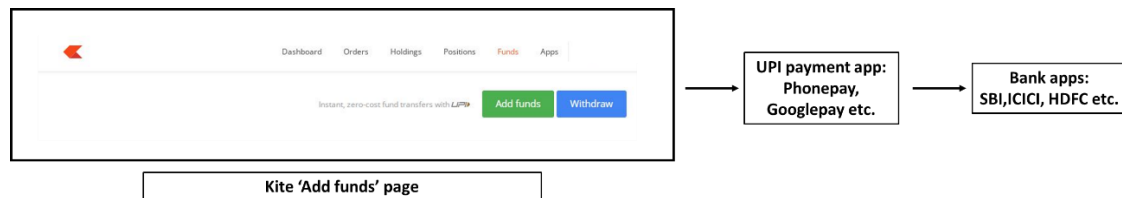
- 4) **Installation Testing:** It's a process of **checking installation of software / application** in **existing system of user** as per **user expected platform**. This type of testing is done in product based organization and not done in service based organization.

**For Kite application:** Kite is a web-based platform and So PC desktop application is not available. There is not need of installation on PC. Kite has a mobile application as well, available in both android and iOS platforms hence installation on phone is required and

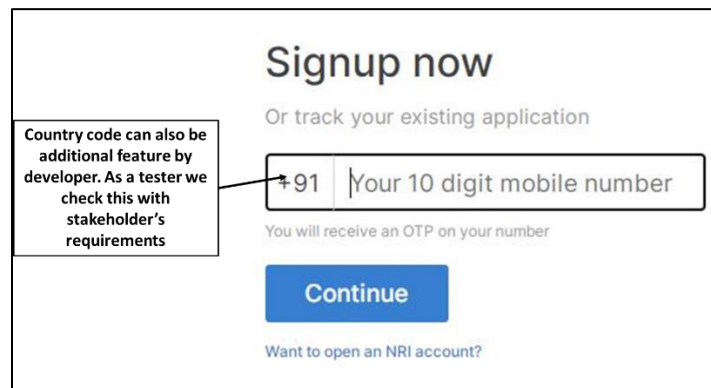
testing can be done there. The testing on mobile phone involves checking a) set program Execution b) easy Interface c) occupied Disc space d) uninstallation

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- 5) **Inter System Testing:** It's a process of checking whether our application / software shares data or information or resources with other application or not. The data communication is done through the **XML**. **Banking domain companies** uses this type testing. Eg. In kite application:



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- 6) **Sanitation Testing (Garbage testing):** In this testing, we try to identify any extra features in application which are not specified in client requirement.



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- 7) **Parallel testing (Comparison testing):** This type of testing is done in product based organization and not done in service based organization. It's a process of checking our product with other product. Eg. **Comparison of Kite** with competitor **application like Upstox, Groww, Angel broking etc.**
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- 8) **Globalization testing:** It is a process of checking whether application / software supports different languages or not. The kite application is available in **global language English**. According to articles in newspapers Zerodha is keen on making the kite application available in all **local languages** like Marathi, Tamil, Telugu etc.