**Beet Seed**

1.

|  | Functional | Non Functional | Change Related |
| --- | --- | --- | --- |
| What is being checked | Mainly functional capabilities of the software product | Every other capabilities other than functional | Focused mainly on functions / some instances non functional(Regression) |
| When is applicable | Typically earlier in the development cycle To verify the functional behavior of the system | Typically later in the development cycle when almost every functions working | After a certain change is applied to the system |
| Restrictions | * Covers only functional aspects * Unable to cover all the possible scenarios | * Very time consuming * Requires additional tools and software | * Requires additional time and effort to analyze the impact change * Might be challenging to reproduce additional scenarios |
| Peculiarities | Solely based on the expected behavior of the software as typical black box testing | Focused on non functional aspects like usability, performance, security, reliability and measuring of other parameters and standards are involved | Most of the time, tested functionalities are being tested several times |

2.

Re-testing is the testing done right after fixing a bug of the same functionality to confirm that the bug has been fixed. This test aims to confirm whether the bug has been fixed or not.

On the other hand, Regression testing is conducted to confirm the same fix has not broken the other functionalities which were working as expected before. Hence the regression test is carried out for the rest of the functionalities other than the fixed one.

**Beet Sprout**

2. I think functional testing as well as non functional testing are equally important for an application to be successful.

An application is usually a solution for the functional requirement of a user. Even if the application itself provides functionality to the end user, It always depends on other systems and other parameters and ect. Therefore carrying out testing only in its functionality is not nearly sufficient for the overall product to be successful. Other factors like its user friendliness, reliability, compatibility and several other non-functional aspects play a vital role in its success. Hence it's crucial to consider functional and non functional aspects as equally important when it comes to software quality.

3. Smoke tests are primarily designed to check if the main functions of programs are working properly. So we understand, the need of a smoke test is necessary as sometimes we need to confirm the core functionalities of a software program right after a certain build or a version deployment. Hence its understood that the smoke tests are not frequently required but although it cannot be disregarded as useless as well.

**Mighty Beet**

2. Functional tests

<https://beetrootqa2024.testrail.io/index.php?/cases/view/299&group_by=cases:section_id&group_order=asc&display_deleted_cases=0&group_id=341>

<https://beetrootqa2024.testrail.io/index.php?/cases/view/300&group_by=cases:section_id&group_order=asc&display_deleted_cases=0&group_id=344>

3. Non functional requirements

1. A user should be able to log into the application within 4 seconds upon providing valid username and password.
2. Maximum of 500 users should be able to upload pictures of size 3.5MB at the same time.
3. The lowest supported system versions will be iOS 11 and android 10 for the application.
4. The mobile application will only be available for European regional users.

Non functional tests

<https://beetrootqa2024.testrail.io/index.php?/cases/view/301&group_by=cases:section_id&group_order=asc&display_deleted_cases=0&group_id=347>

<https://beetrootqa2024.testrail.io/index.php?/cases/view/303&group_by=cases:section_id&group_order=asc&display_deleted_cases=0&group_id=350>