•        Select an application at your choice

•        Think on how would you test it, what testing types are applicable

•        Test the application

•        Write the smoke test suite in TestLink, under your dedicated folder under Final Project S18

•        Run the tests in TestLink

•        Report the bugs under Mantis, project Final Project S18

•        Create a test data set in an Excel file

•        Create a test report using the provided template

•        Create a presentation (10 minutes) containing the following info: app description (1 slide), how do did you approached testing (1 slide), tools used (1 slide), testing types covered (1 slide), test cases overview (1 slide), bugs overview (1 slide), test cases results (1 slide), conclusions/test report (1 slide) and lessons learnt (1 slide)

•        Deliverables: Test Cases (TestLink – Your Name Project), Test Data Set (Excel), Test Report(.doc), presentation (.ppt), Mantis bugs

* ar trebui sa ai cel putin 15-20 de seturi de date (carduri)
* ca si test data ai putea sa incerci diverse nume, coduri de bare corecte sau eronate, search in lista, diverse logouri (poze) in diverse formate, sterge carduri, adaugare card existent
* am vazut ca se poate crea si ceva gen shopping list
* oferte de la comercianti - aici nu poti controla tu ce primesti dar ar merita investigat daca sunt ceva oferte constante pentru a putea testa
* avantajul legat de buguri este ca daca intri pe playstore o sa si vezi unele deja raportate de utilizatori :-)

Test cases Virtual Cards

Test on different devices

**Usability tests verify that the system is easy to use and that the user**

interface appearance is appealing.

Data Integrity Testing**: It verifies that data are being stored by the system in a manner**

where the data is not comprised by updating, restoration, or retrieve processing.Validation to be performed can include checking data fields for alphabetic and numericcharacters, for information that is too long, and for correct date format.

**. For Type Ahead Option**

If your UI contains drop down lists, check whether “type ahead” is included or not. Let’s take an example, there are more than 100 names in the list like list of countries. The drop down list should include “type ahead” function to facilitate selection of the desired name.

Calendar allows you to add birthday in the future –ex: belladonna card

The behaviour of the “Your card is not on the list? Add card” option from the bottom of the list of all available cards is different from the behaviour of the same option from the bottom of added cards. The first gives user the possibility to add a private card, the second leads the user to tha list of all available cards.

* **Different range of mobile devices** with different screen sizes and hardware configurations like a hard keypad, virtual keypad (touch screen) and trackball etc.

**types of testing are performed on Mobile applications.**

* [**Usability testing**](http://www.softwaretestinghelp.com/usability-testing-guide/)– To make sure that the mobile app is easy to use and provides a satisfactory user experience to the customers
* **Compatibility testing**– Testing of the application in different mobiles devices, browsers, screen sizes and OS versions according to the requirements.
* **Interface testing**– Testing of menu options, buttons, bookmarks, history, settings, and navigation flow of the application.
* **Services testing**– Testing the services of the application online and offline.
* **Low-level resource testing**: Testing of memory usage, auto-deletion of temporary files, local database growing issues known as low-level resource testing.
* [**Performance testing**](http://www.softwaretestinghelp.com/introduction-to-performance-testing-loadrunner-training-tutorial-part-1/)– Testing the performance of the application by changing the connection from 2G, 3G to WIFI, sharing the documents, battery consumption, etc.
* **Operational testing**– Testing of backups and recovery plan if a battery goes down, or data loss while upgrading the application from a store.
* [**Installation tests**](http://www.softwaretestinghelp.com/software-installationuninstallation-testing/)**–** Validation of the application by installing /uninstalling it on the devices.
* [**Security Testing**](http://www.softwaretestinghelp.com/category/security-testing/)– Testing an application to validate if the information system protects data or not.

**Test Cases for Testing a Mobile App**

In addition to functionality based test cases, Mobile application testing requires special test cases which should cover following scenarios.

* **Battery usage**– It’s important to keep a track of battery consumption while running application on the mobile devices.
* **The speed of the application-**the response time on different devices, with different memory parameters, with different network types etc.
* **Data requirements**– For installation as well as to verify if the user with the limited data plan will able to download it.
* **Memory requirement**– again, to download, install and run
* **The functionality of the application**– make sure application is not crashing due to network failure or anything else.

### Conclusion

Designing the right test strategy, choosing the right mobile simulators, devices and mobile testing tools can make sure that we have 100% test coverage and help us include security, usability, performance, functionality and compatibility based tests into our test suites.

Sorting cards by last/frecqvent usage

1. To validate that the application resumes at the last operation in case of a hard reboot or system crash.

the application provides an available user guide for those who are not familiar to the app