•        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 Techniques: Manual, dynamic, black-box, functional testing:

Exploratory testing, Component testing, System testing, Usability Testing, interruption, boundary

Test cases Virtual Cards

Test on different devices and OS

**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/frequent 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

BUGS

Log in via FB while offline error message missing

Nu ma pot conecta prin contul de Facebook.Pe net mi spune "eroare la server" când vreau sa modific parola.

Utila ?i merge cu condi?ia sa ai ecranul curat oglinda ???? fara pete de amprente, grasime ?i alte minuna?ii?? altfel nu-l cite?te scannerul ??

O aplicatie care probabil imi face e economie pe luna de cel putin 50 ron

linkul din not3wqificari duce exact la fereastra pt obtinerea cardului pt care este notificarea

toate detaliile sunt memorate in form, mai putin ce e in drop down

mixt de romana engleza

pozele dispar

display route

2.Virtual cards: Birthday calendar accepts dates from the future

Steps to reproduce:

1. Open Virtual cards and select ‘Add card’

2. Choose a store that request the user’s birthday (e.g. Aldo)

3. Fill in the form with valid data (except birthday)

4. In the calendar field, choose a date from the future

Actual results:

The app allows the user to enter dates from the future in the birthday field

Expected results:

The dates from the future should be disabled

1.Mandatory fields are not highlighted (no highlighted field.jpg)

Steps to reproduce:

1. Open Virtual cards and select ‘Add card’

2. Choose a store that provides virtual cards based on a registration form (e.g. DM)

3. Fill in the form with valid data (except Gender) and tap ‘Generate’

Actual results:

The error message appears but the incomplete field is not highlighted

Expected results:

The mandatory fields that were left unchecked should be highlighted

Mixt language while offline

Steps to reproduce:

1. Open Virtual cards and select ‘Location’ from the hamburger menu

2. In the ‘Location settings’ window, choose ‘English’ from the ‘Language’’ drop down menu. (Country is irrelevant)

3. Go offline by switching off the internet connection

4. Go to ‘Log in’ page, leave the fields empty and tap on ‘Log in’ button

Actual results:

The error message is in Romanian

Expected results:

The error message should be in English

Note: the same bug is reproduced if the user selects any other language (Deutsch, French)

Log in via FB: Missing error message while offline

Steps to reproduce:

1. Go offline by switching off the internet connection

2. Open Virtual cards and go to Log in page

2. In the ‘Log in’ window, choose ‘Connect via Facebook’

3. Check ‘I agree with terms and conditions’

Expected results:

An error message regarding the internet connection should appear

Actual results:

Nothing happens, no message

Log in while offline: can’t exit the log in page

Steps to reproduce:

1. Go offline by switching off the internet connection

2. Open Virtual cards and go to Log in page

2. In the ‘Log in’ window, leave the fields empty and tap on ‘Log in’ button

3. Confirm the error message by tapping ‘Ok’

4. Try to exit the Log in page (tap the back arrow)

Expected results:

The user can navigate tot the homepage

Actual results:

The error message appears again and again so the user is stuck on the log in page

VI

Main layout on Deutsch version

Steps to reproduce:

1. Open Virtual cards and go to Location page

2. In the ‘Location settings’ window, choose ‘Deutsch from the ‘Language’’ drop down menu. (Country is irrelevant)

3. Go the homepage

Expected results:

The layout looks good

Actual results:

The text doesn’t fit in the main screen

VII

Main layout on French version, Polish

Steps to reproduce:

1. Open Virtual cards and go to Location page

2. In the ‘Location settings’ window, choose ‘French’ from the ‘Language’’ drop down menu. (Country is irrelevant)

3. Go the homepage

Expected results:

The layout looks good

Actual results:

The text doesn’t fit in the main screen

Improvement

Display route available even though there are no special offers

Preconditions: at least 2 cards saved (one promoting offers (ex. Lidl), one without special offers (ex. Catena))

* 1. Open virtual cards and access the saved cards section pic1
  2. Select the store that provides special offers and select one offer. Then click on Display route
  3. The map appears and the store are pinned
  4. Go back to the list of the saved cards and select the other store (the one that doesn’t have special offers)

Expected results:

The app provides a way to display route to this store

Actual results:

The user can’t view the route to the store with no special offers

VIII

Card details: Offers and Coupons links are broken

Preconditions: at least 1 loyalty cards saved with no special offers (ex. Catena)

* 1. Open virtual cards and access the saved cards section
  2. Tap on the other store that doesn’t have special offers
  3. In the card details window tap on ‘Offers’ and ‘Coupons’

Expected results:

A message that the store doesn’t promote any offers and coupons at the moment

Actual results:

Nothing happens, no messages

IX

Offers inconsistences (before and after saving the card)

* 1. Go to Add card section and select a store that provides virtual cards with special offers (e.g. Lidl, Nobila Casa)
  2. Complete the form with valid data and click on ‘Generate’
  3. In the card details window, the number of Offers is 0
  4. Go to the list of saved cards. The number of offers is different than 0
  5. Tap on the store in order to see the details and check the number of offers available

Expected results:

The number of offers should be the same on each phase of saving a virtual card

Actual results:

The number of offers is not updated in the window that appears after generating the new virtual card

Lidl interest field

Typo on Share shopping list

Steps to reproduce:

1. Open Virtual cards and go to Shopping list window.

2. Add some items in the shopping list

3. From the ‘More info’ menu (3 vertical dots), select ‘Share’ and select any sharing method (by sms, WhatsApp, etc)

Expected results:

The list is shared in correct format

Actual results:

The text message that contains the list has some spaces missing.(UserCorinahas the following shopping list)

Shared shopping list: style of the checked items

Steps to reproduce:

2. Open Virtual cards and go to the ‘Shopping list’ window.

2. Add some items in the shopping list

3. Check one item from the list

3. From the ‘More info’ menu (3 vertical dots), select ‘Share’ and select any sharing method (by sms, WhatsApp, etc)

Expected results:

The list is shared accurate

Actual results:

The checked items are displayed in the same format as the unchecked ones.