

Test report - version 0.1

Table of contents

[Test report - version 0.1](#)

[1 Introduction](#)

[1.1 Purpose of application](#)

[1.2 General characteristics of application](#)

[2 Test environment](#)

[2.1 Hardware environment](#)

[2.2 Software environment and system information](#)

[2.2.3 Software settings](#)

[3 Known bugs and limitations](#)

[Bug issue #11 is known. If the mobile lacks internet connection, the application experiences an error and shuts down.](#)

[4 Test specifications for this test report](#)

[5 Test report table](#)

Application version: 0.1

Date: 2012-05-08

*Authors: Oscar Brodefors, Filip Askviken, Rikard Andersson,
Emil Nyström*

This version overrides all previous versions.

1 Introduction

1.1 Purpose of application

A simple application for smartphones where students can gather to sell and buy used books needed at courses given at Chalmers (and possibly other Universities). Users can register books for sale and other users can search and find these books. The unique selling point compared to existing sites like blocket or tradera is the niche market. When buying from our application you know that the seller is close by and that you can set up a meeting to get the book the same day.

1.2 General characteristics of application

No transactions are handled by the application. The application simply matches buyer with seller and provides the opportunity for market mechanisms to function in the interaction between these two parties.

Functionality to add a plethora of attributes about the book and for users to search for books on these criterias. Also the ability to describe a book in general and to upload a photo of the book taken with the mobile camera. A book could be uploaded by filling in a ISBN-number and then obtaining book title, author and edition.

The ability for other users to comment on the book.

Possible functions to be added in future versions:

- Auctions
- Connection to Cremona to compare price and to buy new books
- A website connected to the application

2 Test environment

This android-project is preferably tested and runned from Eclipse. First step for a new tester or developer should be to install EGit from Eclipse Marketplace and the ADT plugin for Eclipse (<http://developer.android.com/sdk/eclipse-adt.html>). Please visit and read the installation guide (<http://developer.android.com/sdk/installing.html>).

After installation of Android ADT and connection with Github in your Eclipse, import the project in Eclipse: file → import

→ Git → Projects from Git → next → URL → insert <https://emil-nystrom@github.com/oscarbr/Brainiacs-startup.git> as URL → next → next → next → finish. Now you are ready to build or run the application. The application is runned through a .apk-package. The apk-package includes the release 0.1 which is the version tested in this test report.

The .apk-package can be found at <https://github.com/oscarbr/Brainiacs-startup>, go to tags → RELEASE_0.1.zip.

The test report document to new developers and testers is available on: <https://docs.google.com/document/d/1oXC8qSHJzy3TRIEg0nVonFR0eNtPC01yBdP7oxgW0lc/edit>.

The test report table is available at: <https://docs.google.com/spreadsheets/cc?key=0Ao75Xu-pWZuDdGxoc1ZROF9BZX1EUThuUnJ5Uu11OHc>.

2.1 Hardware environment

For the test, three MacBook's and one Dell XPS M1530 have been used. Three computers with the operating software Mac OSX-Lion and one with Windows 8 have been used. A android emulator in Eclipse (Target Android 2.1, skin WVGA800) and a real mobile phone (Samsung Galaxy S plus) have been used for the tests.

2.2 Software environment and system information

For the test, the following software have been used:

- Eclipse SDK version 3.7.2
- Android Development Toolkit version 18.0.0
- Eclipse Mylyn project version 3.6.5
- Eclipse EGit 1.3.0

2.2.3 Software settings

No specific settings needed, use default settings.

3 Known bugs and limitations

Bug issue #10 is known. The search function is only showing one result when searching for a book (even if there are many books from a specific author or book title).

Bug issue #11 is known. If the mobile lacks internet connection,

the application experiences an error and shuts down.

Bug issue #12 is known. The publishing year for a book can be 2015. This bug is a result from test 1.1.5-N.

4 Test specifications for this test report

Test ID 1.1-P **Book registration**

Description: A seller can register a book for sale

Precondition: The seller have a book to sell, have the application and have filled in user details.

Test steps:

The tester is uploading a new book with the following information: (Daniel Defoe, Robinson Crusoe, 2nd edition, literature, excellent quality, 300 SEK.

Postcondition: A book is uploaded to the market.

Related requirements: 1.1

Test ID 1.1-N **Book registration**

Description: A seller can register a book for sale

Precondition: The tester have a book to sell, have the application, and have filled in user details.

Test steps:

The tester is uploading a new book with the following information: (Daniel Defoe, 2nd edition, literature, excellent quality.

Postcondition: The tester gets a error message

saying "Please correct the following: title must be greater than 10 characters. Please specify a price within the range of 0-10000 SEK"

Related requirements: 1.1

Test ID 1.1.1-P **Pricing a book**

Description: The seller can set a price for the book

Precondition: The tester have a book to sell, have the application, and have filled in user details.

Test steps: The tester uploads books with following testnumbers (fills in in the box for price):

99 SEK, 300 SEK, 1000 SEK, 0 SEK.

Postcondition: A book is uploaded to the market with the

correct price.

Related requirements: 1.1.1

Test ID 1.1.1-N **Pricing a book**

Description: The seller can set a price for the book

Precondition: The tester have a book to sell, have the application, and have filled in user details.

Test steps: The tester uploads books with following test numbers (fills in in the box for price):

1. hundra kronor, 2. 133700 SEK and 3. no input.

Postcondition: The tester should get a error message stating: "Invalid price, please write a number between 0-10000 SEK.

Related requirements: 1.1.1

Test ID 1.1.3-P **Title is required**

Description: The seller has to set a title for the book

Precondition: The tester have a book to sell, have the application, and have filled in user details.

Test steps: The tester should write "Robinson Crusoe" as title and add a book to the market.

Postcondition: Every added book have a title.

Related requirements: 1.1.3

Test ID 1.1.3-N **Title is required**

Description: The seller has to set a title for the book

Precondition: The tester have a book to sell, have the application, and have filled in user details.

Test steps: The tester should write the title "xxyy".

Postcondition: A book cannot be added without a title and the tester gets a exception message "Title must be greater than 10 characters".

Related requirements: 1.1.3

Test ID 1.1.4-P **ISBN number**

Description: The seller can set an ISBN for the book for sale

Precondition: The tester have a book to sell, have the application, and have filled in user details.

Test steps: The tester should fill in "9789144060743" as ISBN (Java direkt med Swing.

Postcondition: A added book have a ISBN number

Related requirements: 1.1.4

Test ID 1.1.4-N **ISBN number**

Description: The seller can set an ISBN for the book for sale

Precondition: The tester have a book to sell, have the application, and have filled in user details.

Test steps: The tester should fill in 123456 as a ISBN-number.

Postcondition: The tester gets a exception message: "The ISBN-number must be 10 or 13 digits long."

Related requirements: 1.1.4

Test ID 1.1.5-P **Publishing year**

Description: The seller can set a publishing year for the book for sale.

Precondition: The tester have a book to sell, have the application, and have filled in user details.

Test steps: The tester fill in 1999 as publishing year.

Postcondition: A added book have a publishing year

Related requirements: 1.1.5

Test ID 1.1.5-N **Publishing year**

Description: The seller can set a publishing year for the book for sale.

Precondition: The tester have a book to sell, have the application, and have filled in user details.

Test steps: The tester fill in 2015 as a publishing year.

Postcondition: The tester gets a exception message: "this is not a valid publishing year".

Related requirements: 1.1.5

Test ID 1.1.6-P **Book connected to a course**

Description: The seller can set a course for which he/she used the book.

Precondition: The tester have a book to sell, have the application, and have filled in user details.

Test steps: The tester fill in:

1. "Databases" as Course and 2. "TDA357" as a course.

Postcondition: A book is added with a course connected to it.

Related requirements: 1.1.6

Test ID 1.1.7-P **Comments**

Description: The seller can add a comment about the book.

Precondition: The tester have a book to sell, have the application, and have filled in user details.

Test steps: The tester should fill in "excellent quality" as a comment.

Postcondition: A book is added with a comment connected to it.

Related requirements: 1.1.7

5 Test report table

Date	Test ID	Result	Comments
120508	1.1-P	Passed	without remarks
120508	1.1-N	Passed	without remarks
120508	1.1.1-P	Passed	without remarks
120508	1.1.1-N	Passed	"hundra kronor" cannot be filled in.
120508	1.1.3-P	Passed	without remarks
120508	1.1.3-N	Passed	without remarks
120508	1.1.4-P	Passed	without remarks
120508	1.1.4-N	Passed	without remarks
120508	1.1.5-P	Passed	without remarks
120508	1.1.5-N	Failed	The year 2015 was possible to fill in.
120508	1.1.6-P	Passed	without remarks
120508	1.1.7-P	Passed	without remarks