

Summary report on testing the OLX mobile application

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I. Introduction

The OLX mobile application allows to use OLX advertising service on mobile devices. OLX users have at their disposal 15 main categories: Automotive, Real Estate, Work, Home and Garden, Electronics, Services and Companies, Fashion, Agriculture, Animals, For Children, Sports and Hobbies, Music and Education, Wedding, as well as I will give for free and exchange. Placing advertisements does not involve charging fees in most categories. In free categories, fees are charged only for highlighting an advertisement for 7 or 30 days. The service charges fees in the following categories: Motorization, Property, Work and Agriculture. In addition, in some subcategories there are limits of free advertisements, beyond which the user can use the option of buying additional advertisements. The service also serves business customers in the following categories: Work, Electronics, Home and Garden and Services. It is also possible to create a candidate profile that allows user to instantly apply for job advertisements on OLX and use the option of recommending job offers.

The summary report contains the results of functional testing of the application along with validation of forms (table1) plus bug report , non-functional testing (table2). In addition, conclusion with suggestions for changes.

II. Functional testing

Date of execution: 18.12.2021

Testing environment:

Samsung Galaxy S6 (display size 5.1", screen resolution 2560x1440, RAM size 3GB, ROM size 32GB, battery capacity 2550 mAh)

Android operating system version 7.0

Software version 5.48.3

Table 1. Functional testing and data validation

Functionality	Test case	Test result
1.Account registration	Positive	Passed
	1.1 Registration using correct email address and password	
	1.2 Registration using Facebook account	
	1.3 Registration using Google account	Passed
	Negative	Passed
	1.3 Registration using valid email address and incorrect password	
	1.4 Registration using incorrect email address and correct password	
	1.5 Registration without entering data into a registration form	
2. Account login	1.6 Registration using an existing email address	Passed
	Positive	Passed
	2.1 Logging in using correct data	
	2.2 Logging in using Facebook account	
	2.3 Logging in using Google account	
	2.4 Logging in with password change	
	2.5 Logging in with email address change	
	2.6 Logging in using Gmail alias	
	2.7 Logging in with Gmail address entering the email address in capital letters	Passed

Functionality	Test case	Test result
	Negative	
	2.8 Logging in using valid email address and incorrect password	Passed
	2.9 Logging in using incorrect email address and correct password	Passed
	2.10 Logging in without entering data into a login form	Passed
	2.11 Logging in using the delated OLX account	Passed
	2.12 Logging in entering 7 allowed characters in the "Hasło" input	Passed
	2.13 Logging in entering 256 allowed characters in the "Hasło" input	Passed
	2.14 Logging in without entering required symbol in the "Hasło" input	Passed
	2.15 Logging in without entering required number in the "Hasło" input	Passed
3. Advertisement management		
3.1 Adding an advertisement	Positive	
	3.1.1 Adding an advertisement to "Ubranka dziecięce" category using a correctly filled "Dodaj ogłoszenie" form using a shipping option	Passed
	3.1.2 Adding an advertisement to "Ubranka dziecięce" category using a correctly filled "Dodaj ogłoszenie" with no shipping option	Passed
	Negative	
	3.1.3 Adding an advertisement to "Ubranka dziecięce" category without entering data in "Dodaj ogłoszenie" form	Passed
	3.1.4 Adding an advertisement to "Ubranka dziecięce" category entering 15 allowed characters in the "Tytuł" input	Passed
	3.1.5 Adding an advertisement to "Ubranka dziecięce" category entering 71 allowed characters in the "Tytuł" input	Passed
	3.1.6 Adding an advertisement to "Ubranka dziecięce" category without entering data in the "Tytuł" input	Passed
	3.1.7 Adding an advertisement to "Ubranka dziecięce" category without selecting a category from the "Kategoria" drop-down list	Passed
	3.1.8 Adding an advertisement to "Ubranka dziecięce" category entering 79 allowed characters in the "Opis" textarea	Passed

Functionality	Test case	Test result
	3.1.9 Adding an advertisement to "Ubranka dziecięce" category entering 9001 allowed characters in the "Opis" textarea	Passed
	3.1.10 Adding an advertisement to "Ubranka dziecięce" category without entering data in the "Opis" textarea	Passed
	3.1.11 Adding an advertisement to "Ubranka dziecięce" category without selecting a location from the "Lokalizacja" drop-down list	Passed
	3.1.12 Adding an advertisement to "Ubranka dziecięce" category entering 51 allowed characters in the "Osoba kontaktowa" input	Passed
	3.1.13 Adding an advertisement to "Ubranka dziecięce" category entering 1 allowed character in the "Osoba kontaktowa" input	Passed
	3.1.14 Adding an advertisement to "Ubranka dziecięce" category without entering data in the "Osoba kontaktowa" input	Passed
	3.1.15 Adding an advertisement to "Ubranka dziecięce" category without entering data in the "Numer telefonu" input	Passed
	3.1.16 Adding an advertisement to "Ubranka dziecięce" category entering special characters in the "Numer telefonu" input	Passed
	3.1.17 Adding an advertisement to "Ubranka dziecięce" category entering 6 numbers in the "Numer telefonu" input	Passed
	3.1.18 Adding an advertisement to "Ubranka dziecięce" category entering 17 numbers in the "Numer telefonu" input	Passed
	3.1.19 Adding an advertisement to "Ubranka dziecięce" category without entering data in the "Cena" input	Passed
	3.1.20 Adding an advertisement to "Ubranka dziecięce" category without selecting "Prywatnie lub firma" radiobutton	Passed
	3.1.21 Adding an advertisement to "Ubranka dziecięce" category without selecting "Stan" radiobutton	Passed
3.2 Editing an advertisement	Positive 3.2.1 Editing an advertisement from "Ubranka dziecięce" category to add photos using "Dodaj zdjęcia" button	Passed

Functionality	Test case	Test result
	3.2.2 Editing an advertisement from "Ubranka dziecięce" category to change an advertisement title in the "Tytuł ogłoszenia" input	Passed
	3.2.3 Editing an advertisement from "Ubranka dziecięce" category to change an advertisement category using "Kategoria" drop-down list	Failed
	3.2.4 Editing an advertisement from "Ubranka dziecięce" category to change an advertisement type using "Prywatnie lub firma" radiobutton	Passed
	3.2.5 Editing an advertisement from "Ubranka dziecięce" category to change an advertisement description using "Opis" textarea	Passed
	3.2.6 Editing an advertisement from "Ubranka dziecięce" category to change the price using "Cena" input	Passed
	3.2.7 Editing an advertisement from "Ubranka dziecięce" category to change the payment option using "Zamienię.Za darmo.Cena" radiobutton	Passed
	3.2.8 Editing an advertisement from "Ubranka dziecięce" category to change an item condition description using "Stan" radiobutton	Passed
	3.2.9 Editing an advertisement from "Ubranka dziecięce" category to change an item kind using "Rodzaj" radiobutton	Passed
	3.2.10 Editing an advertisement from "Ubranka dziecięce" category to change an item size using "Rozmiar" drop-down list	Passed
	Negative 3.2.11 Editing an advertisement from "Ubranka dziecięce" category to change an advertisement category using "Kategoria" drop-down list	Passed
3.3 Viewing an advertisement statistics	3.3.1 Viewing an advertisement statistics selecting "Zobacz statystyki" from drop down list	Passed
3.4 Promoting an advertisement	3.4.1 Promoting an advertisement selecting "Promuj" button	Passed
3.5 Refreshing an advertisement	3.5.1 Refreshing an advertisement selecting "Odśwież" button	Passed
3.6 Delating an advertisement	3.6.1 Delating an advertisement from Ubranka dziecięce" category selecting "Zakończ" from drop down menu	Passed
3.7 Searching for advertisements	Positive 3.7.1 Searching for advertisement entering correct item name in "Znajdź coś dla siebie" input with label	Passed

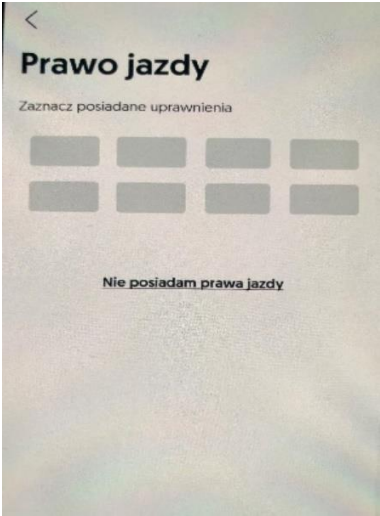
Functionality	Test case	Test result
	3.7.2 Searching for advertisement using correct data and filtering options	Passed
	3.7.3 Searching for advertisement using correct data and category from "Wybierz kategorię" drop-down list	Passed
	3.7.4 Searching for advertisement using correct data and location from "Lokalizacja" drop-down list	Passed
	Negative 3.7.5 Searching for advertisement using price filtering option giving a price range "30-20"	Passed
	3.7.6 Searching for advertisement using price filtering option giving a price range "111111111111-999999999999"	Passed
	3.7.7 Searching for advertisement using view option "Lista" from drop-down list	Passed
	3.7.8 Searching for advertisement using view option "Galeria" from drop-down list	Passed
	3.7.9 Searching for advertisement using view option "Mozaika" from drop-down list	Passed
	3.7.10 Searching for advertisement using sorting option "Najtańsze" from drop-down list	Passed
	3.7.11 Searching for advertisement using sorting option "Najdroższe" from drop-down list	Passed
	3.7.12 Searching for advertisement using sorting option "Najnowsze" from drop-down list	Passed
3.8 Adding an advertisement to your favorites	3.8.1 Adding an advertisement to your favorites using heart icon button	Passed
3.9 Sharing and advertisement	3.9.1 Sharing an advertisement using Gmail	Passed
	3.9.2 Sharing an advertisement using WhatsApp	Passed
	3.9.3 Sharing an advertisement using SMS	Passed
	3.9.4 Sharing an advertisement using Bluetooth	Passed
3.10 Contact with the seller	3.10.1 Sending a message to the seller selecting "Napisz" button	Passed
	3.10.2 Calling or sending SMS to seller selecting "Zadzwoń/SMS" button	Passed
3.11 Shopping	Positive 3.11.1 Purchasing of an item using correct data selecting "Kup z przesyłką" button and payment option by credit card	Passed
	3.11.2 Purchasing of an item using correct data selecting "Kup z przesyłką" button and payment option by BLIK	Passed
	3.11.3 Confirmation of "Kup z przesyłką" sale transaction using "Potwierdź sprzedaż" button	Passed

Functionality	Test case	Test result
	3.11.4 Purchasing of an item using correct data selecting "Kup z przesyłką" button and payment option by BLIK	Passed
	Negative 3.11.5 Purchasing of an item using "Kup z przesyłką" button without entering data in "Kup z przesyłką" form	Passed
	3.11.6 Purchasing of an item using "Kup z przesyłką" button without entering data in "Imię" input	Passed
	3.11.7 Purchasing of an item using "Kup z przesyłką" button without entering data in "Nazwisko" input	Passed
	3.11.8 Purchasing of an item using "Kup z przesyłką" button entering 31 characters in "Imię" input	Passed
	3.11.9 Purchasing of an item using "Kup z przesyłką" button entering 31 characters in "Nazwisko" input	Passed
	3.11.10 Purchasing of an item using "Kup z przesyłką" button entering 10 numbers in "Numer telefonu" input	Passed
	3.11.11 Purchasing of an item using "Kup z przesyłką" button without selecting pick-up point	Passed
	3.11.12 Not confirming "Kup z przesyłką" sale transaction	
4. Virtual wallet	4.1.1 Sending funds to olx virtual wallet by credit card using "Uzupełnij portfel" option	Passed
	4.1.2 Sending funds to olx virtual wallet by online transfer using "Uzupełnij portfel" option	Passed
	4.1.3 Sending funds to olx virtual wallet by BLIK using "Uzupełnij portfel" option	Passed
	4.1.4 Using virtual wallet to pay for advertisements refreshments	Passed
	4.1.5 Using virtual wallet to pay for advertisements promoting	Passed
5. Candidate profile		
5.1 Creating a candidate profile	Positive 5.1.1 Creating a candidate profile using "Utwórz swój profil kandydata" with correct data	Passed
	Negative 5.1.2 Creating a candidate profile using "Utwórz swój profil kandydata" without entering data in form	Passed
	5.1.3 Creating a candidate profile using "Utwórz swój profil kandydata" without entering data in the "Imię" input	Passed

Functionality	Test case	Test result
	5.1.4 Creating a candidate profile using "Utwórz swój profil kandydata" without entering data in the "Nazwisko" input	Passed
	5.1.5 Creating a candidate profile using "Utwórz swój profil kandydata" entering 51 allowed characters in the "Imię" input	Passed
	5.1.6 Creating a candidate profile using "Utwórz swój profil kandydata" entering 51 allowed characters in the "Nazwisko" input	Passed
	5.1.7 Creating a candidate profile using "Utwórz swój profil kandydata" entering 1 allowed character in the "Imię" input	Passed
	5.1.8 Creating a candidate profile using "Utwórz swój profil kandydata" entering 1 allowed character in the "Nazwisko" input	Passed
	5.1.9 Creating a candidate profile using "Utwórz swój profil kandydata" entering 21 numbers in the "Numer telefonu" input	Passed
	5.1.10 Creating a candidate profile using "Utwórz swój profil kandydata" entering 6 numbers in the "Numer telefonu" input	Passed
	5.1.11 Creating a candidate profile using "Utwórz swój profil kandydata" without entering data in the "Adres e-mail" input	Passed
	5.1.12 Creating a candidate profile using "Utwórz swój profil kandydata" entering 20 numbers in the "Adres e-mail" input	Passed
	5.1.13 Creating a candidate profile using "Utwórz swój profil kandydata" entering 60 numbers in the "Nazwa szkoły" input	Passed
	5.1.14 Creating a candidate profile using "Utwórz swój profil kandydata" selecting 2015 from "Rok rozpoczęcia" drop-down list and 2010 from "Rok zakończenia" drop-down list	Passed
	5.1.15 Creating a candidate profile using "Utwórz swój profil kandydata" entering 60 numbers in the "Nazwa stanowiska" input	Passed
	5.1.16 Creating a candidate profile using "Utwórz swój profil kandydata" selecting driving license category from "Prawo jazdy"	Failed (see 2a. Bug report below Table 1)
	5.1.17 Creating a candidate profile using "Utwórz swój profil kandydata" entering 501 characters in "Hobby" textarea	Passed

Functionality	Test case	Test result
	5.1.18 Creating a candidate profile using "Utwórz swój profil kandydata" entering 0 in the "Najniższe akceptowalne wynagrodzenie" input	Passed
	5.1.19 Creating a candidate profile using "Utwórz swój profil kandydata" entering 1000000000 in the "Najniższe akceptowalne wynagrodzenie" input	Passed
6. Deleting account	6.1 Deleting account selecting „Usuń konto” button and email confirmation	Passed

Table 1a. Bug report

Title: When creating a candidate profile the driving license categories are not visible	
Priority: Low	
Environment: Samsung Galaxy S6 (display size 5.1", screen resolution 2560x1440, RAM size 3GB, ROM size 32GB, battery capacity 2550 mAh) Android operating system version 7.0 Software version 5.48.3	
Steps: 1. Log in to OLX mobile application 2. Select "Szukam pracy" section and click on "Profil kandydata" 3. Scroll down to "Umiejętności" section and click „+Dodaj prawo jazdy”	
Actual result: The message „Zaznacz posiadane uprawnienia” and buttons without any labels are visible	
Actual result: The message „Zaznacz posiadane uprawnienia” and buttons with driving license categories on labels are visible	
Attachments:	

III. Non-functional testing

Table 2. Non-functional testing

	Test case	Result
1. Usability		
1.1 Ease of use of the application and learning	1.1.1 The application should be easy to use and intuitive.	Passed
1.2 Navigation	1.1.1 When returning to the foreground, the application should restore the preserved state and any significant stateful transaction that was pending.	Passed
1.3 Notifications	1.2.1 Should support the direct reply action. Allows users to enter text directly into the notification, which is delivered to application without opening an activity.	Passed
1.4 User interface and graphics	1.3.1 The application supports both landscape and portrait orientations. Orientations expose largely the same features and actions and preserve functional parity. Minor changes in content or views are acceptable.	Passed
1.5 Visual quality	1.4.1 The application displays graphics, text, images, and other user interface elements without noticeable distortion, blurring, or pixelation.	Passed
	1.4.2 The application displays text and text blocks in an acceptable manner for each of the application's supported languages.	Passed
	1.4.3 Touch targets should be large (at least 48dp × 48dp – 6,1 – 8,6 mm).	Passed
	1.4.4 Limiting the color palette to three guiding colors will make the application not only more aesthetic, but also transparent and most importantly - legible. Dark mode should be available. Text-to-background color contrast is recommended to be above a specific threshold.	Passed
	1.4.5 Each user interface element in the application should include a description that describes the element's purpose.	Passed
2. Performance	2.1.1 The application loads quickly or provides onscreen feedback to the user (a progress indicator or similar cue) if the application takes longer than two seconds to load.	Passed
3. Privacy and security 3.1 Permissions	3.1.1 The application requests only the absolute minimum number of permissions that it needs to support its use case at hand.	Passed

	The application requests permission to access sensitive data or services that cost money only when directly related to the core use cases of the apps. The application clearly conveys why certain permissions are needed or follow the recommended flow to explain why it needs a permission.	
3.2 Networking	3.2.1 All network traffic is sent over SSL	Passed
4. Battery	4.1.1 Low battery consumption. No unexpected battery use.	Passed
5. Impact of unexpected events on the operation of the application	5.1.1 Incoming connection does not interfere with the operation of the application	Passed
	5.1.2 Incoming messages do not interfere with the operation of the application	Passed
	5.1.3 Low battery status do not interfere with the operation of the application	Passed
	5.1.4 Other applications running in the background do not interfere with the operation of the application	Passed
	5.1.5 The application works when switching between access points (from Wi-Fi to mobile network)	Passed

IV. Conclusion

Olx mobile application is easy to use and intuitive. Application fulfills its functions as an advertising service. However, there are several areas that need to be improved.

It is important that it is not possible to order two products from one seller using the option of one shipment (the seller would have to change the content of the advertisement). Competing services have such options.

Also the ability to give a rating to a person from whom nothing has been bought can be used by dishonest users.

The application should be better adapted to the people with accessibility needs (the ability to enlarge text, descriptions of graphics and other elements, appropriate text structure, convenient page infrastructure). Touch targets are large (at least 48dp × 48dp – 6,1 – 8,6 mm), but very often button description size is approximately 2mm.

The security of transactions is also an important issue. User should contact only via OLX messages, send parcels by going through the process to OLX, pay for the shipment via DotPay and Adyen redirects. For this purpose OLX introduced a safety guide for users.

The application to gain more users should also be available in English.