

HW #1 TESTS EXECUTION

By Speaker Vova Pfayfer

softserve

TEST EXECUTION OVERVIEW

OMSv2

ID	Status	Summary	Defect	Component
SETT-3	FAIL	Verify users search on the 'Ad...	0 2	
SETT-52	PASS	Verify that Administrator sees ...		
SETT-53	PASS	Check 'Administration' tab UI		
SETT-54	PASS	Verify that correct number of r...	0 1	
SETT-55	PASS	Verify that Administrator navig...		
SETT-50	FAIL	Check 'Login' page UI	0 3	
SETT-48	PASS	Verify that previously entered ...		
SETT-47	PASS	Verify error message on Logi...		
SETT-56	PASS	Verify the records sorting in th...		
SETT-45	PASS	Verify registered user login		
SETT-38	PASS	Verify that error message is s...		

OMS v5

ID	Status	Summary	Defect	Component
SETT-3	FAIL	Verify users search on the 'Ad...	0 2	
SETT-50	FAIL	Check 'Login' page UI	0 1	
SETT-53	PASS	Check 'Administration' tab UI		
SETT-52	PASS	Verify that Administrator sees ...		
SETT-54	PASS	Verify that correct number of r...		
SETT-55	PASS	Verify that Administrator navig...		
SETT-50	PASS	Verify that previously entered ...		
SETT-45	PASS	Verify registered user login		
SETT-47	PASS	Verify error message on Logi...		
SETT-48	PASS	Verify that the records sorting in th...		
SETT-56	PASS	Verify registered user login		
SETT-38	FAIL	Verify that error message is s...	0 1	

DB, Fu

SETT-38

FAIL

Verify that error message is s...

TEST EXECUTION OVERVIEW

OMS v2

9 TESTS - PASS

2 - TESTS FAILED

OMS v5

8 TESTS - PASS

3 - TESTS FAILED

CONFIRMATION: 8 TESTS

REGRESSION: 1 TEST

softserve

TEST: SETT-54

Name: Verify that correct number of records displays in a table on 'Administration' tab

Description: This test case verifies that number of records displayed in a table on 'Administration' tab and pagination correspond to the current settings and is 5 by default.

Prerequisites:

1. Log in to OMS as Administrator: 'User'="iva", 'Password'="qwerty"
2. Click on 'Administration' tab

TEST STEP N°1

Test Step: Verify that 5 records display in a table

Expected Result: Table display 5 records

Actual Result: Table display 5 records

Status: **Pass**

First name	Last name	Login	Role	Region	Edit	Delete
ivanka	horoshko	iva	Administrator	West	Edit	Delete
myroslav	shram	myroslav	Administrator	South	Edit	Delete
marko	bekhta	marko	Administrator	East	Edit	Delete
vitalik	nobis	vitalik	Administrator	North	Edit	Delete
orest	vovchack	orest	Administrator	West	Edit	Delete



softserve

TEST STEP N°2

Test Step: Verify that 'Show 10 items' link is present above the table in the right corner

Expected Result: 'Show 10 items' link is present

Actual Result: 'Show 10 items' link is present

Status: **Pass**

Search by

Field Filter: All Columns ▾ equals ▾ Search

Show 10 items

First name	Last name	Login	Role	Region	Edit	Delete
ivanka	horoshko	iva	Administrator	West	Edit	Delete
myroslav	shram	myroslav	Administrator	South	Edit	Delete



softserve

TEST STEP N°3 / status: Pass

Test Step: Verify that correct number of pages displayed in the left bottom corner of the page

Expected Result: Number of pages is equal to 'Number of Found Users' divide by 5 and rounded to the bigger integer

Actual Result: Number of pages is correct

Status: **Pass**

Number of Found users 14

Page #: 1 from 3

[$14/5 = 3$]



softserve

TEST STEP N°3 / status: FAILED

Test Step: Verify that correct number of pages displayed in the left bottom corner of the page

Expected Result: Number of pages is equal to 'Number of Found Users' divide by 5 and rounded to the bigger integer

Actual Result: Number of pages is not correct

Status: **FAILED**

Number of Found users 14

Page #: 1 from 14

[$14/5 = 3$]



softserve

BUG REPORT [id: SETT-154]

[SETT-154] [Administration Panel] Number of pages is not correct Created: 22/Apr/21 Updated: 22/Apr/21

Status:	Open		
Project:	Lv-587.SET		
Component/s:	None		
Affects Version/s:	v.2		
Fix Version/s:	v.5		
Security Level:	All		
Type:	Test	Priority:	Low
Reporter:	Volodymyr Pfaifer	Assignee:	Volodymyr Pfaifer
Resolution:	Unresolved	Votes:	0
Labels:	Functional		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Environment:	Host OS: Windows 10 Enterprise VM OS: CentOs Red Hat 32bit Browser: Goggle Chrome v89		

softserve

BUG REPORT [id: SETT-154]

Attachments:	 3.1n.png
Sprint:	Lv-587.SET Sprint 1
Test Level:	system
Test Type:	functional

Description

Prerequisites:

1. Log in to OMS as Administrator: 'User'="noneiva", 'Password'="qwerty"
2. Click on 'Administration' tab

Expected result:

Number of pages is equal to 'Number of Found Users' divide by 5 and rounded to the bigger integer

Actual result:

Number of pages displayed is not correct in the left bottom corner of the page.

softserve

TEST STEP N°4

Test Step: Click on 'Show 10 items' link

Expected Result:

1. 10 records display in a table
2. 'Show 5 items' link displays above the table

Actual Result: 10 records display in a table & 'Show 5 items' link

displays above the table

Status: **Pass**

Show 5 items						
First name	Last name	Login	Role	Region	Edit	Delete
ivanka	horoshko	iva	Administrator	West	Edit	Delete
myroslav	shram	myroslav	Administrator	South	Edit	Delete
marko	bekhta	marko	Administrator	East	Edit	Delete
vitalik	nobis	vitalik	Administrator	North	Edit	Delete
orest	vovchack	orest	Administrator	West	Edit	Delete
roman	nazarevuch	romanN	Administrator	South	Edit	Delete
roman	svustyn	romanS	Administrator	East	Edit	Delete
Vasia	Lopatkin	vpupkin	Administrator	North	Edit	Delete
firstName1	lastName1	login1	Merchandiser	North	Edit	Delete
firstName2	lastName2	login2	Supervisor	North	Edit	Delete

TEST STEP N°5

Test Step: Verify that correct number of pages displayed in the left bottom corner of the page

Expected Result: Number of pages is equal to 'Number of Found Users' divide by 10 and rounded to the bigger integer

Actual Result: Number of pages is correct

Status: **Pass**

Number of Found users 14

Page #: 1 from 2

[$14/10=2$]



softserve

TEST: SETT-50

Check 'Login' page UI

TEST STEP №1

Test Step: Verify that all required controls are present on the form:

- 'User' and 'Password' editboxes;
- 'Remember me' checkbox;
- 'Log In' and 'Reset' buttons

Expected Result: All required controls are present on the form:

TEST STEP №1

Login

User:

Password:

remember me



Actual Result: All required controls are present on the form

Status: Pass

softserve

TEST STEP №2 / status: PASS

Login

User:

Password:

remember me

Надіслати **Скинути**



Test Step: Verify UI control's alignment

Status: Pass

TEST STEP №2 / status: FAILED

Login

User:

Password:

remember me



Test Step: Verify UI control's alignment

Status: Failed

BUG REPORT [id: SETT-81]

[SETT-81] [Login page] alignment of UI elements is not correct. Created: 08/Apr/21 Updated: 22/Apr/21 Resolved: 09/Apr/21

Status:	Closed	Priority:	Immediate
Project:	Lv-587.SET	Assignee:	Volodymyr Pfaifer
Component/s:	None	Votes:	0
Affects Version/s:	v.2		
Fix Version/s:	v.5		
Security Level:	All		
Type:	Defect	Priority:	Immediate
Reporter:	Volodymyr Pfaifer	Assignee:	Volodymyr Pfaifer
Resolution:	Fixed	Votes:	0
Labels:	UI		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Environment:	Host OS: Windows 10 Enterprise VM OS: CentOs Red Hat 32bit Browser: Goggle Chrome v89		

softserve

BUG REPORT [id: SETT-81]

Attachments:	 bug_sett50_1.png
Defect Type:	UI/Usability
Severity:	Trivial
Reproducible:	Always
Date Entered:	08/Apr/21
Build (Fixed):	v.5
Last Resolution Date:	09/Apr/21 10:40 AM
Last Resolution User:	 Volodymyr Pfaifer
Build (Verified):	v.5
Last Closure Date:	09/Apr/21 10:40 AM
Last Closure User:	 Volodymyr Pfaifer
Sprint:	Lv-587.SET Sprint 1

Description

STR:

1. Visit Login Page of OMS

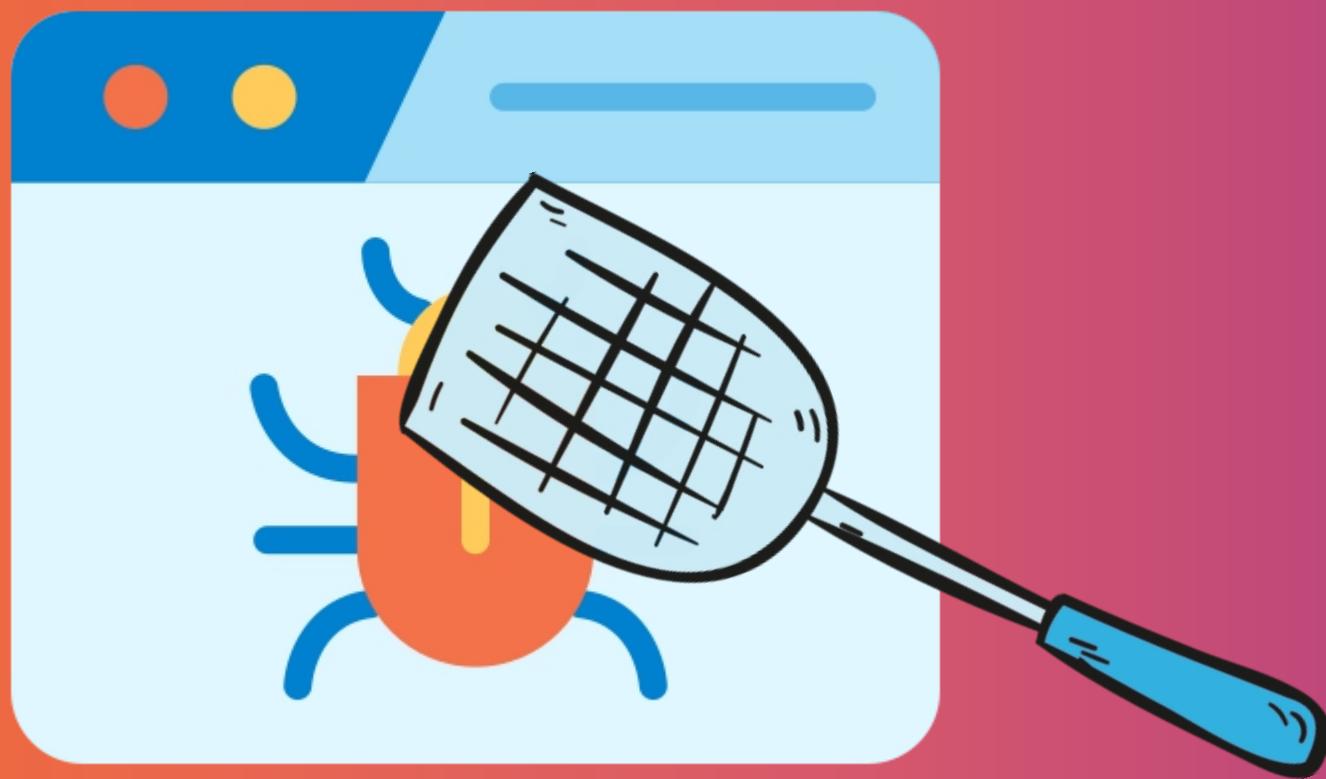
Expected result:

1. Correct alignment of all UI elements

Actual result:

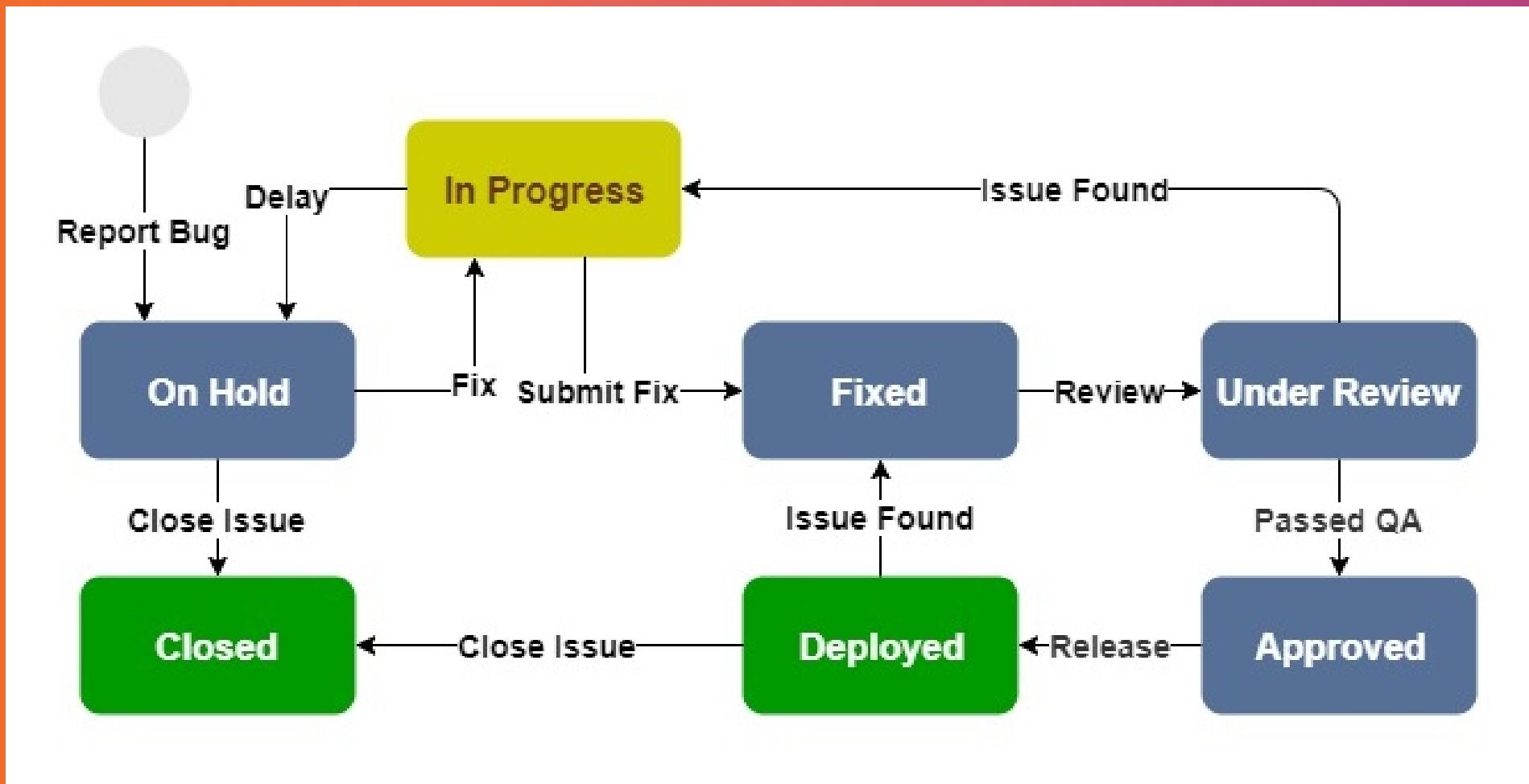
1. Incorrect alignment of all UI elements

BUG LIFECYCLE



softserve

DEFECT LIFECYCLE



softserve

TEST STEP №4

Login

User:

Password:

remember me

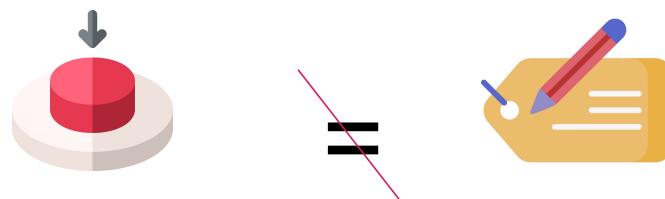
Надіслати **Скинути**



Test Step: Verify Labels spelling

Status: **Pass**

Note: buttons are not labels



softserve

TEST STEP №5

Login

User:

Password:

remember me

Надіслати **Скинути**



Test Step: Verify that all UI controls are visible on the screen after page resizing:

- resize by corresponding button in the top right corner of the form
- resize by dragging the corner of window

Status: **Pass**

softserve



MOBILE APPLICATION TESTING HERE WEGO MAPS & NAVIGATION APPLYING DIFFERENT TEST TYPES

by Speaker: V. Pfaifer

softserve

AGENDA

- HERE MAPS: SPECIFICATION
- APPLIED TEST TYPES
- TESTS & POTENTIAL BUGS
- TESTING ENVIRONMENT



3

HERE WeGo Maps & Navigation

HERE Apps LLC Карти й навігація

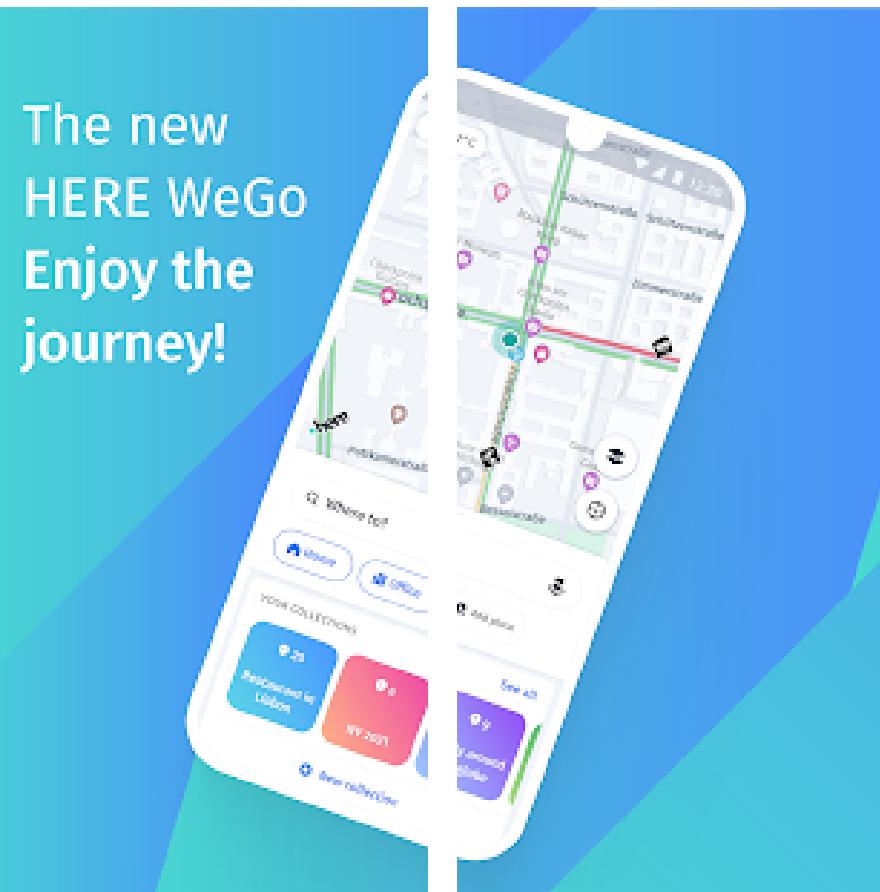
★★★★★ 483 266

3+

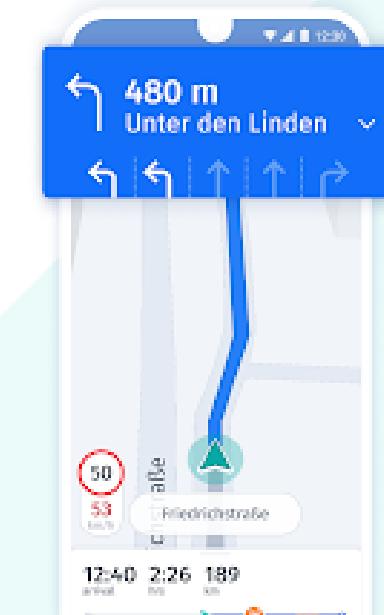
Містить рекламу

Цей додаток доступний для вашого пристрою

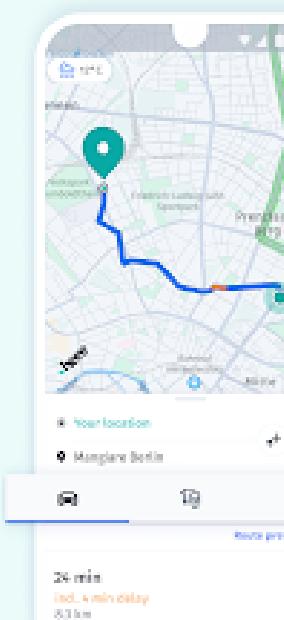
Установлено



Get turn-by-turn guidance
and easily add waypoints
or stops



Choose how you want
to get around



ABOUT

HERE WeGo is a free navigation app that guides local and global travelers on journeys both familiar and foreign. The app now has a fresh, new design and clearer, easier to use navigation.

softserve

APPLIED TEST TYPES

- Smoke testing
- Functional testing
- Validation
- Verification

Non-functional testing:

- UI
- Localization
- Internationalization
- Usability
- Compatibility



SMOKE & FUNCTIONAL TESTING

- First step is checking of app installation
- Second step is registration and checking correct work of DB's by entering with credentials
- Next step is testing main functional (map scrolling, searching destination object, checking tabs by the car, by the train, taxi services e.t.c)
- Checking 'Share' function
- Checking 'Map view' function



6

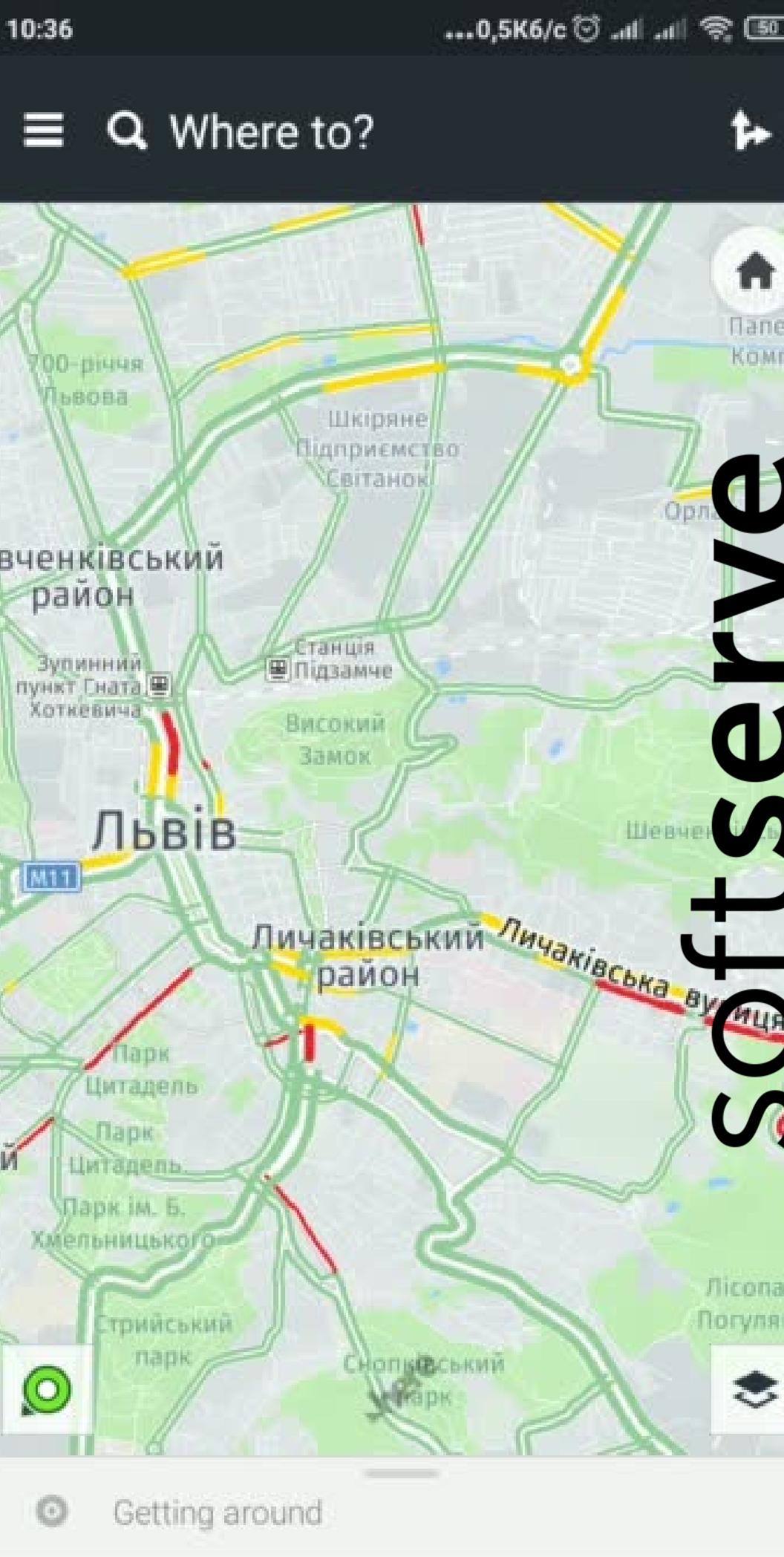
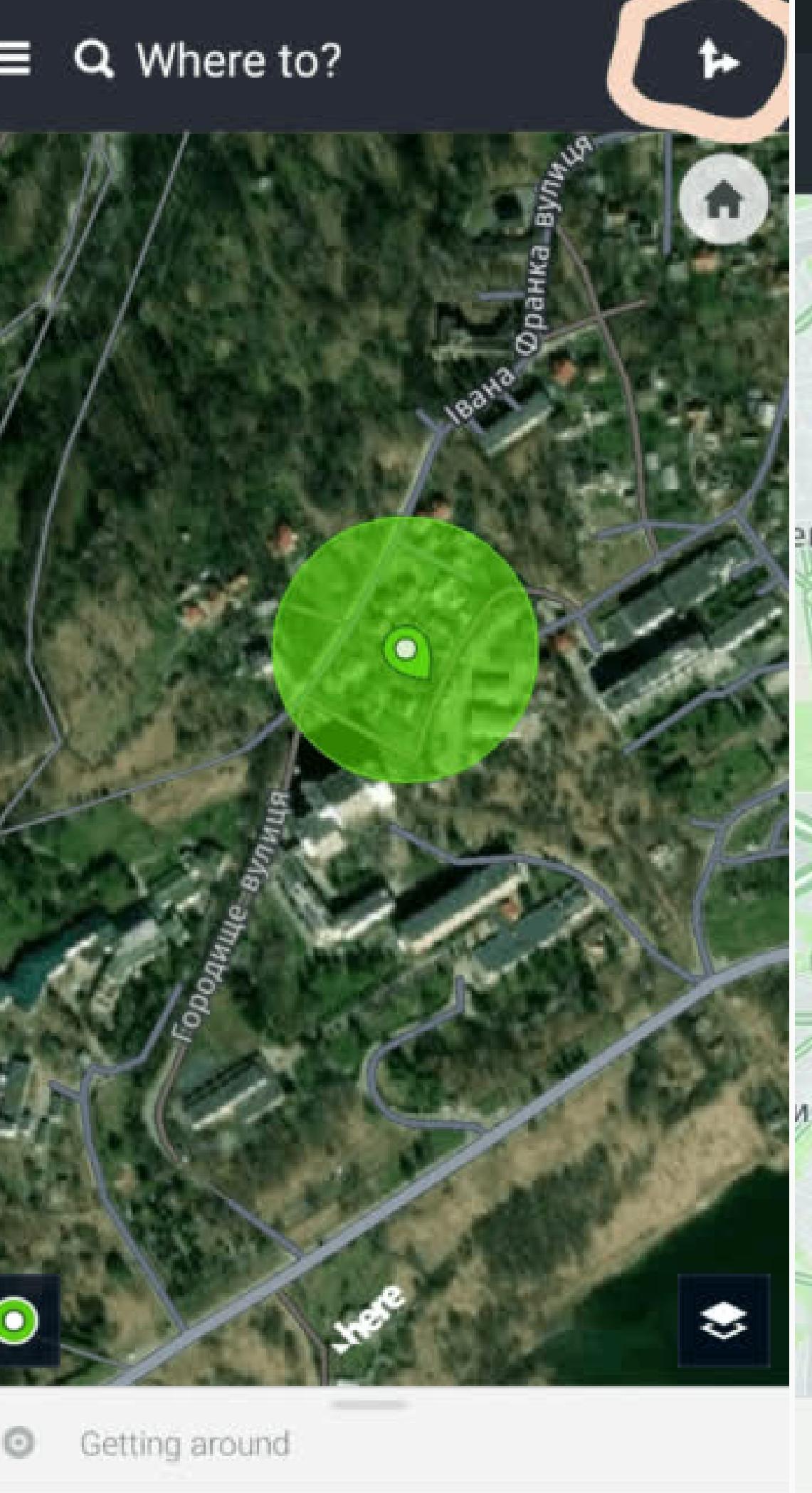
Welcome

@#\$\$\$ Asv

super.3359@gmail.com

Get news, offers and more by email.

COME IN



RESULT

- App has successfully installed
- Registration has completed
- Functions like 'Map view' and 'Share' work well



POTENTIAL DEFECTS

- No information about TAXI sevices available in my town
- No timetables of local Railway Station with inputed destination
- inadequate behaviour while scrolling

UI TESTING

- Checking all fields
(e.g. buttons, labels, text-areas)
for alignment properties in the Login Page
- Checking font types, colors, visual elements for
compliance
- Check for spelling errors throughout the
application
- Checking the readability of the text



POSSIBLE RESULT

9

Sign in with your HERE account



Sign in with Facebook

or

Sign in with your HERE account

Email

Password

Forgot your password?

SIGN IN

NO ACCOUNT? REGISTER

ACTUAL RESULT

Sign in with your HERE account



Sign in with Facebook

or

Sign in with your HERE account

Email

Password

Forgot your password?

SIGN IN

NO ACCOUNT? REGISTER

RESULT

- UI components are carefully aligned
- Fonts and colors are agreed
- Spelling errors are absent
- Text is well readable



POTENTIAL DEFECTS

- Margins between UI elements aren't agreed
- The interface elements are aligned in a chaotic manner

VERIFICATION & VALIDATION

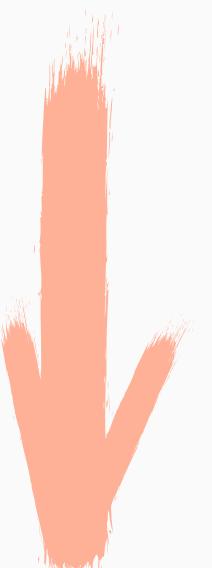
VERIFICATION

- Data-type errors
- Validity of registration
- The correctness of the data entered by the user
- Password reset functionality
- meets the requirements and expectations of a customer



VALIDATION

- Checking requirements for functionality of 'Login Page' and 'Reset Password' with user expectations



Set up a HERE account

12

@#\$_&

FIRST NAME

@#\$_&

LAST NAME

5 квіт. 1900 р.

super.3359@gmail.com

.....

NEXT

1

@#\$_&

Account found

It looks like there's already a HERE account with this email: super.3359@gmail.com Sign in to this account, or register to set up a new one using a different email address.

CLOSE

SIGN IN

NEXT

2

Скидання
пароля

3

Указать новый
пароль

Вітаємо, @#\$\$_!

softserve

RESULT

- No data type errors
- Validity of registration is correct
- Password reset functionality is working



POTENTIAL DEFECTS

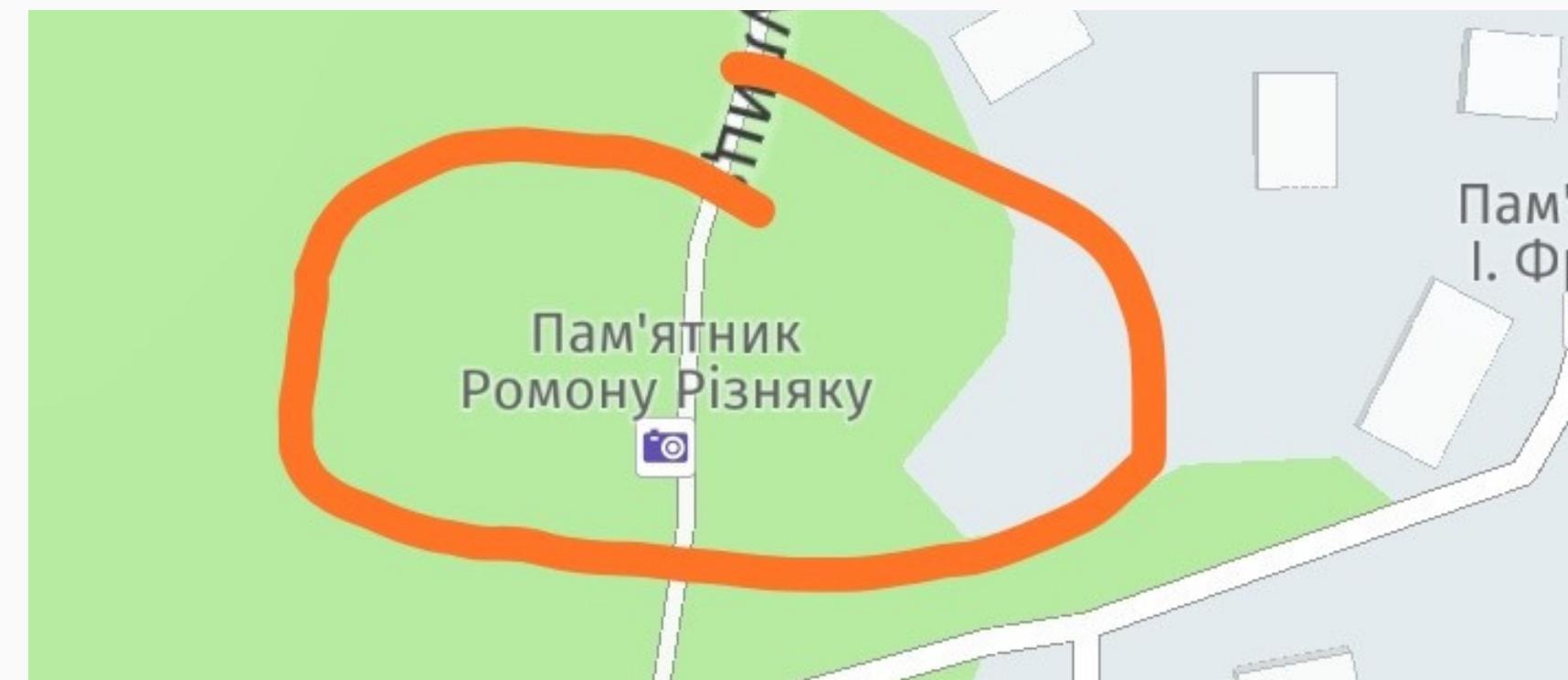
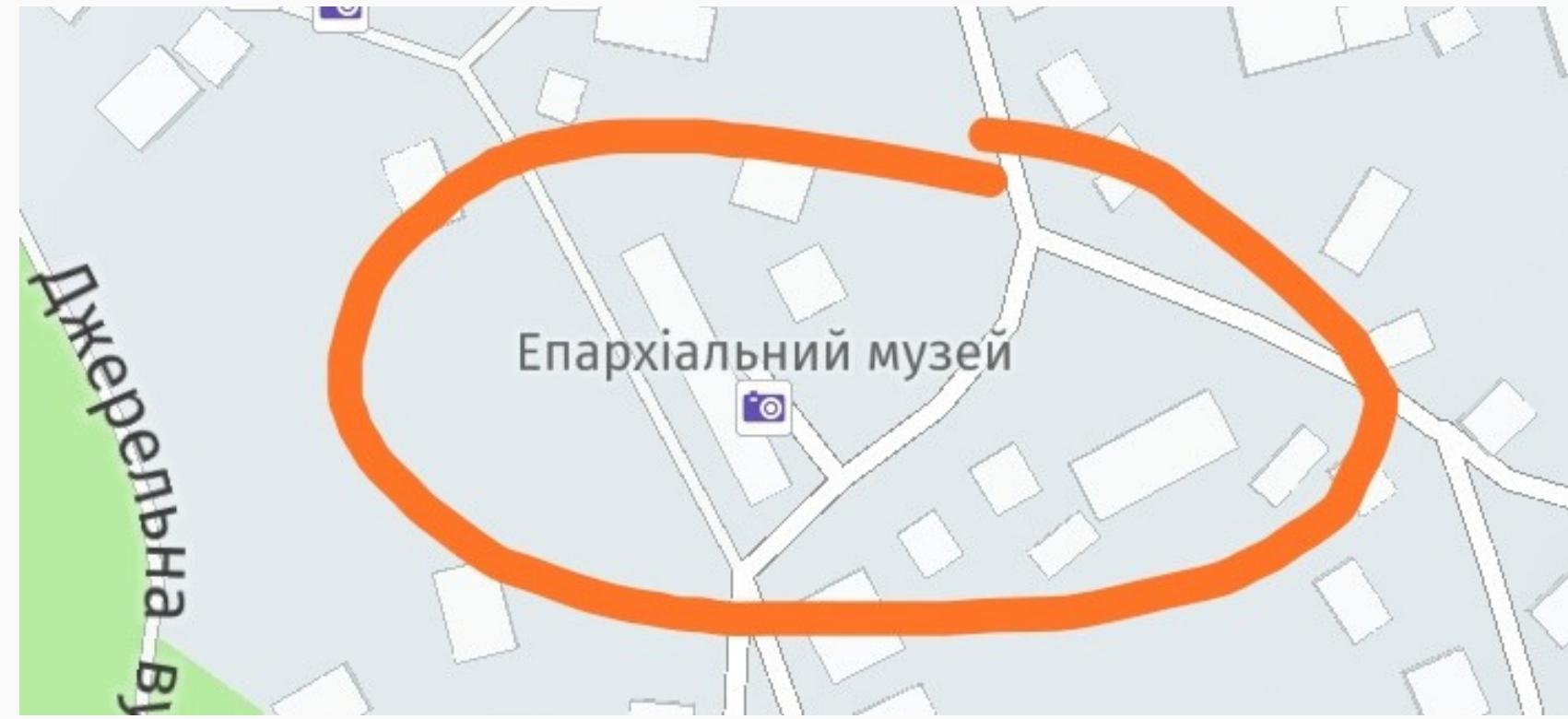
- Fields like "First name" and "Last Name" might consist only special characters

LOCALIZATION TESTING

- Checking the spelling of object names on the map
- Checking the correctness of the name of items in the navigation menu
- Checking the format of street name



OBJECTS ON THE MAP

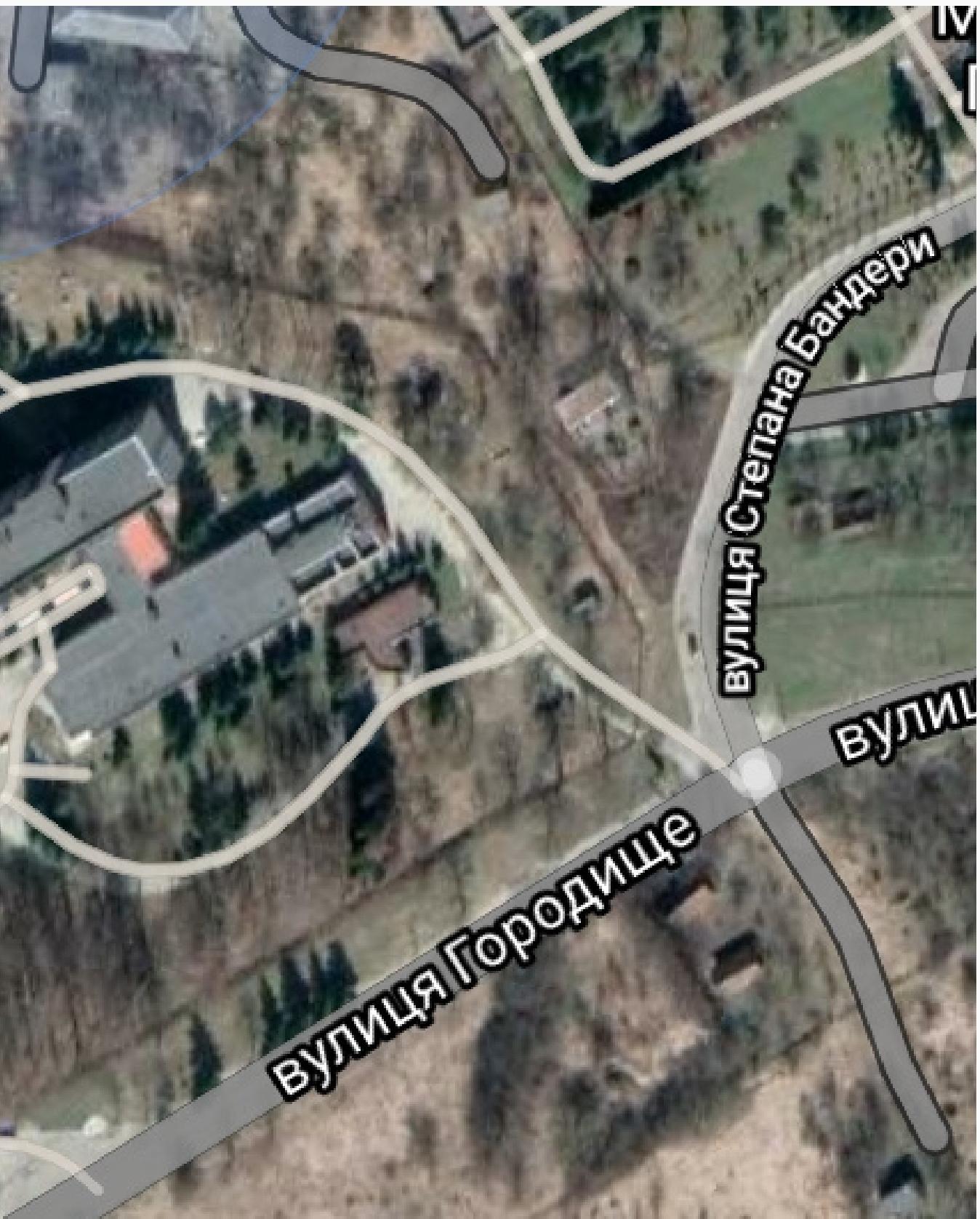


-
-
-

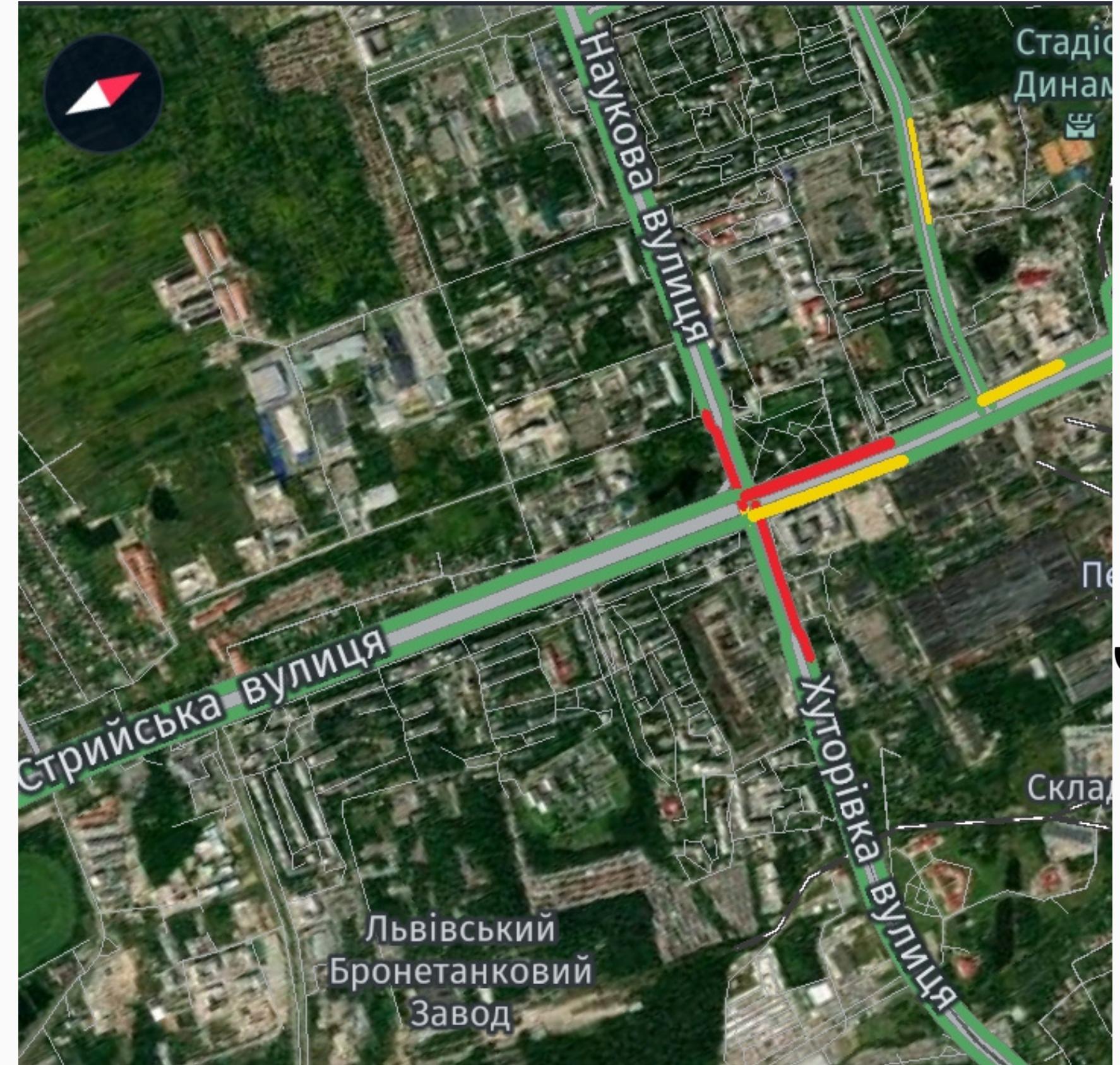
Softserve

GOOGLE MAPS

16



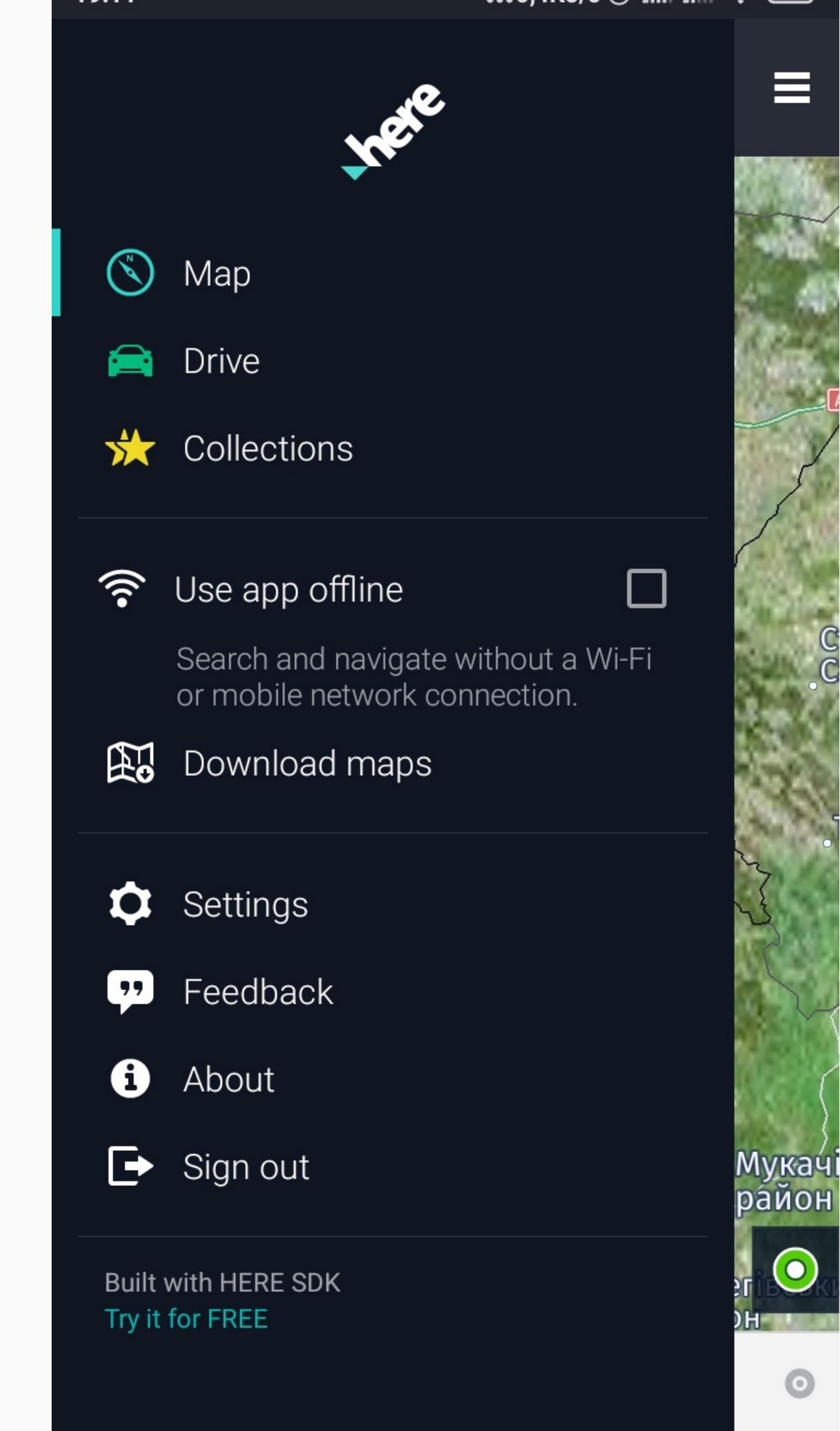
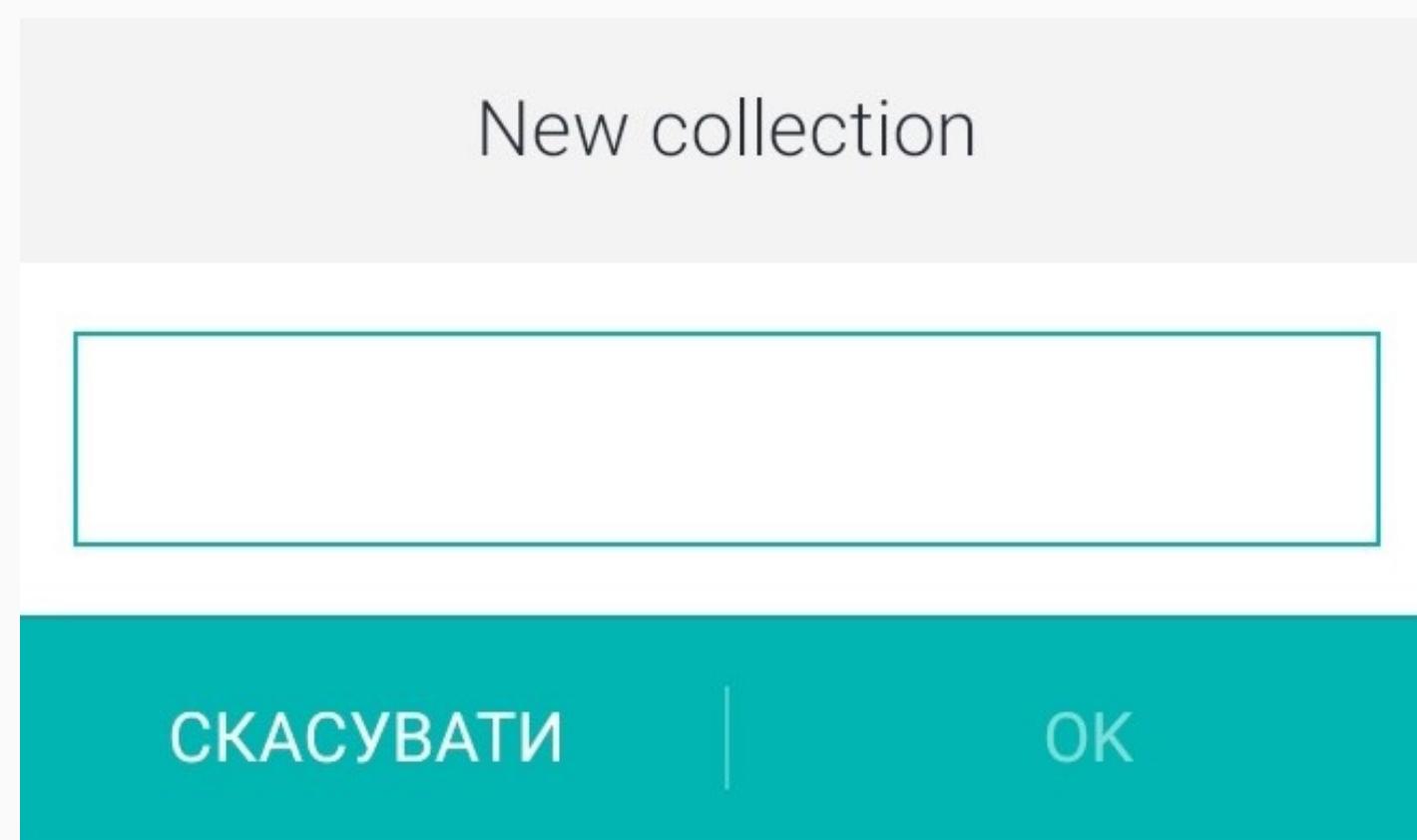
HERE MAPS



Softserve

17

NAVIGATION MENU



softserve

RESULT

- Spelling of object names in some cases incorrect
- English is used in the navigation menu
- Name of the elements is correct
- Text is well readable



POTENTIAL DEFECTS

- Format of the street name is unusual for the region
- In collection tab, label above text-field is written in one language, name of buttons in another one
- Object names are incorrectly translated on the map

INTERNATIONALIZATION TESTING

- Check the processing of special characters in the search

The screenshot shows a search interface with a dark header bar. The search term 'new york' is entered in the input field. Below the input field, there are two search results listed:

- New York
7,178 km NY, США
- New York
7,014 km NY, США

At the bottom left of the interface, there are three small circular icons: a white circle, an orange circle, and a black circle.

The screenshot shows a search interface with a dark header bar. The search term 'From Your location' is entered in the input field. Below the input field, there are two search results listed:

- From Your location
- To kijiv

Below the 'To' label, there are two results:

- Київ
520 km Україна
- ✈ Міжнародний Аеропорт Ки...
513 km Повітровітський просп...

On the right side of the interface, there are two teal circular icons with white letters 'i' inside.

RESULT

- Special characters are well handled when searching for a destination



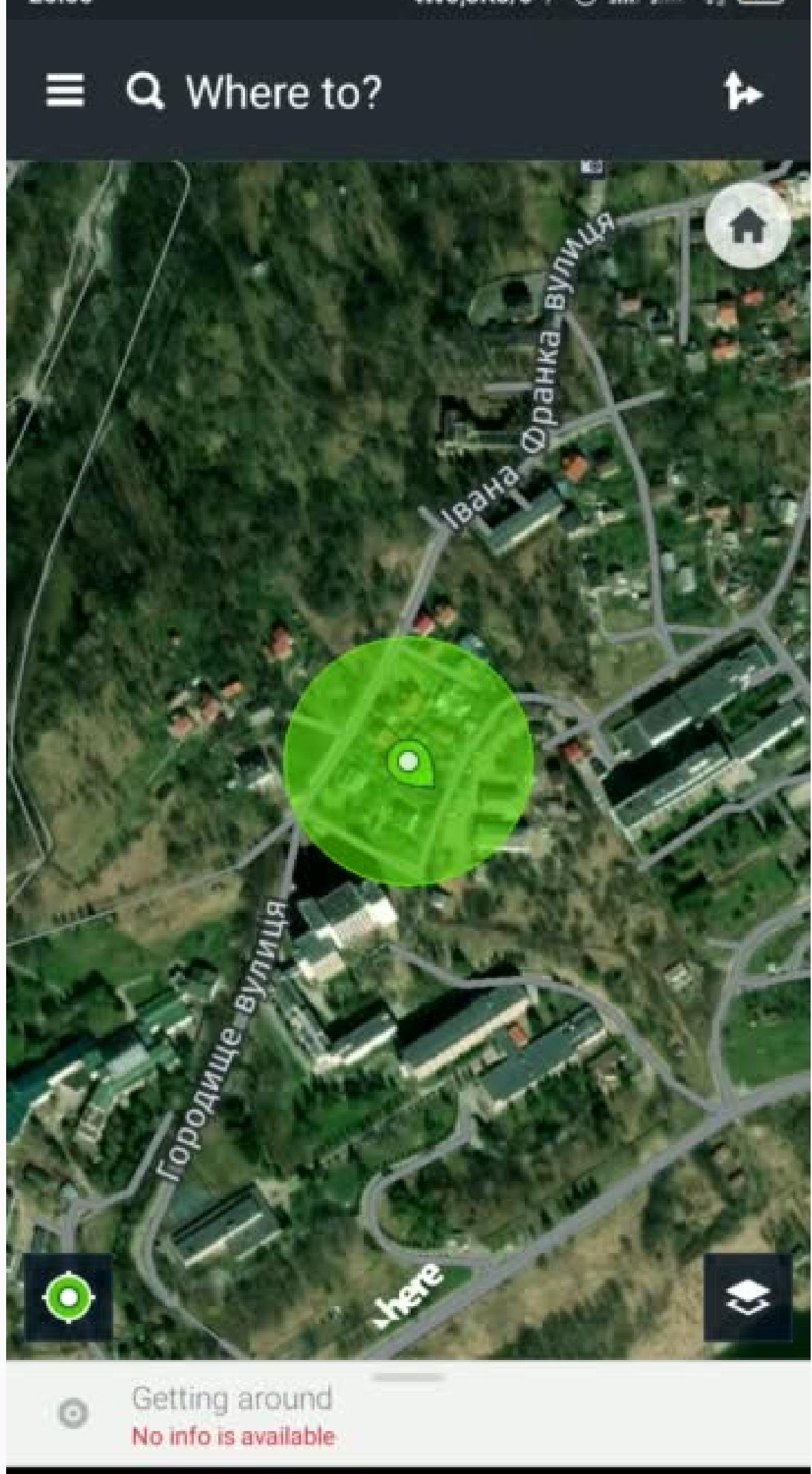
POTENTIAL DEFECTS

- The search result is "Not found" for a query with special characters

USABILITY TESTING

- Checking real time navigation
- Check the battery usage of the application

-
-
-



THE BATTERY USAGE OF THE APPLICATION

Енергоспоживання

**Карти**

Використання батареї програмою

0,62%

[ДЕТАЛІ](#)**ЦП - всього**

8 хв 55 сек

ЦП - активний режим

8 хв 39 сек

Активний режим

0 сек.

**5% /1 Hour**

Енергоспоживання

**HERE WeGo**

Використання батареї програмою

23,85%

[ДЕТАЛІ](#)**ЦП - всього**

22 хв 23 сек

ЦП - активний режим

19 хв 52 сек

72% /1 Hour

RESULT

- Real-time navigation is working with enabled GPS tool
- The battery usage of the application is 72%/hour very exhaustive



POTENTIAL DEFECTS

- Real-time navigation is turning off when the program is closed
- The battery usage of the application is very exhaustive. Within 1 hour 40 minutes the entire battery capacity is used

COMPATIBILITY

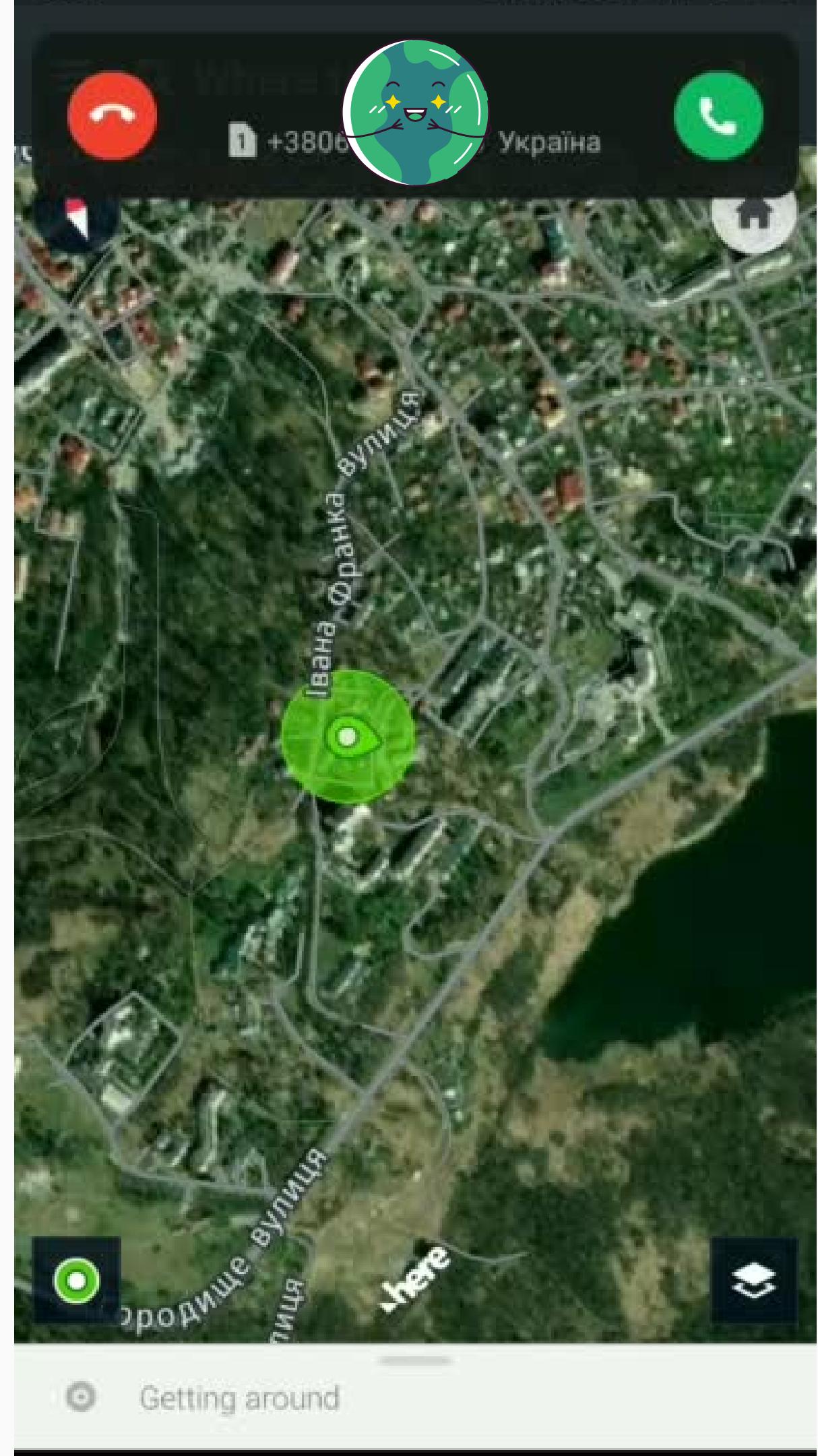
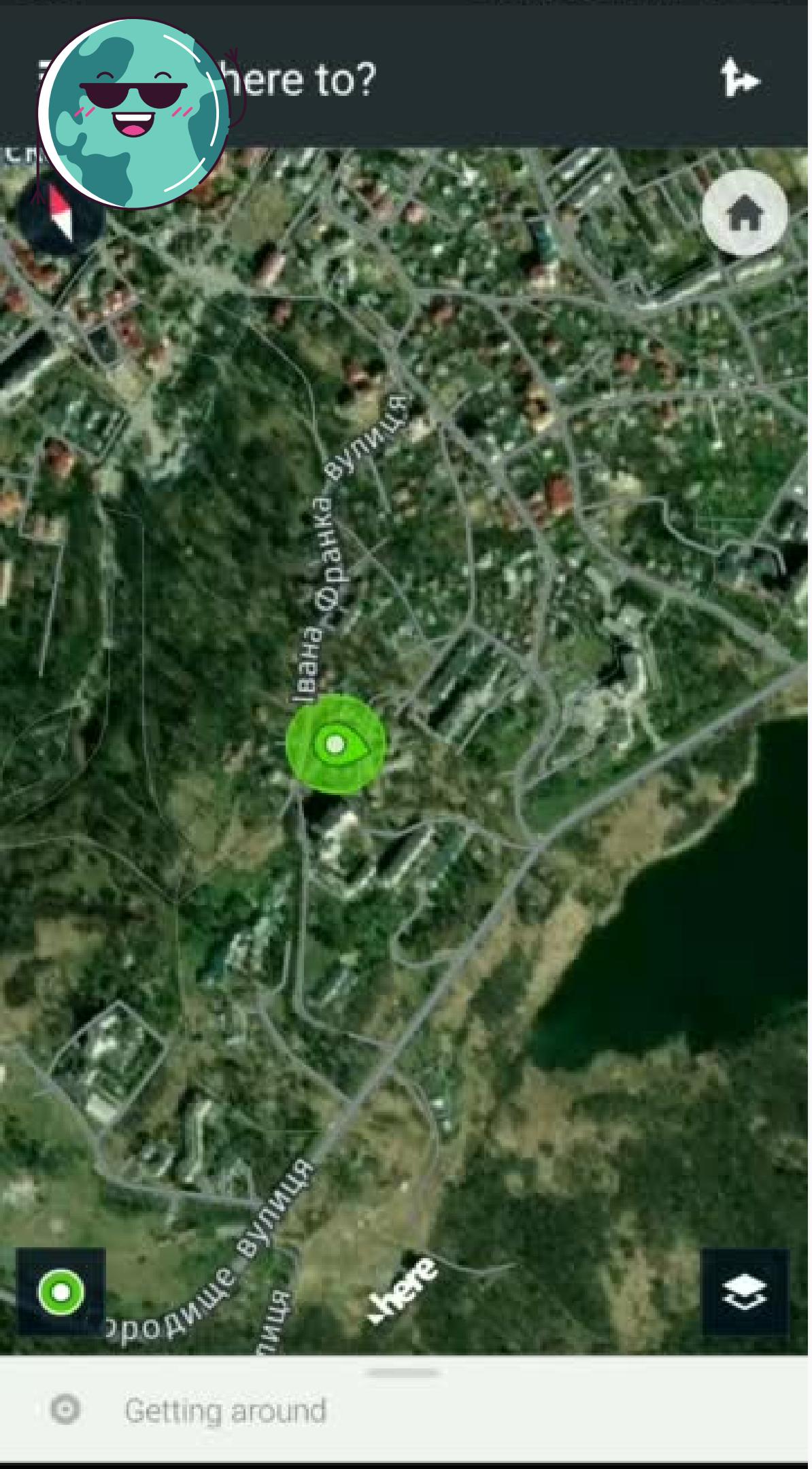
- Check compatibility between app and phone features (interruptions like phone call and notifications)
- Check the operation of the program without an Internet connection
- Check the operation of the program with an Internet connection via WI-FI
- Check the operation of the program with an Internet connection via 4G



softserve



25



Softserve

26

8:38 ... 97% ... 0,0K6/c 4G 97% ... 1,2K6/c

Your location To Індія (India) location Oldiko Flowers Lviv powers Lviv

Excluding: 🚗

offline

preferences added

53 min ⚠️ Incl. 3 min delay

Incl. 3 min delay

10:30 AM

10:31 AM

10:32 AM

10:41 AM

Need an internet connection

Check the settings in your device to make sure it can go online.

RETRY

No internet connection

... 97% ... 0,0K6/c 4G 97% ... 1,2K6/c

RESULT

- The main functions of the phone work correctly with this application
- When the Internet connection is disconnected, the program works without navigation, user can properly watch only sync map area
- With enable Internet connection via wi-fi or 4G all app functions work in proper way

POTENTIAL DEFECTS

- The application closes when a call comes in
- Notifications and incoming-calls might be disabled when app is running

TESTING ENVIRONMENT

DISPLAY

TYPE IPS LCD

SIZE 5.99 INCHES, 92.6 CM² (~74.5% SCREEN-TO-BODY RATIO)

RESOLUTION 720 X 1440 PIXELS, 18:9 RATIO (~269 PPI DENSITY)

PLATFORM

OS ANDROID 8.1 (OREO), UPGRADABLE TO ANDROID 9, MIUI 12

CHIPSET

QUALCOMM MSM8953 SNAPDRAGON 625 (14 NM)

CPU OCTA-CORE 2.0 GHZ CORTEX-A53

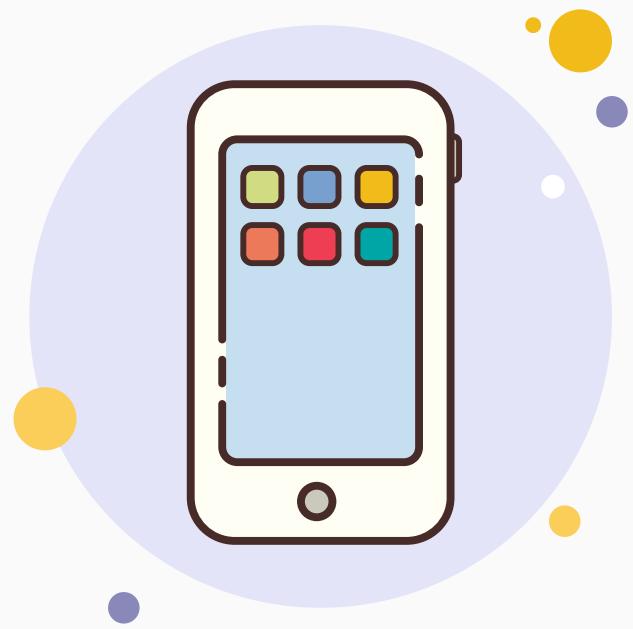
GPU ADRENO 506

MEMORY

CARD SLOT MICROSDXC (DEDICATED SLOT)

INTERNAL 32GB 3GB RAM, 64GB 4GB RAM

EMMC 5.1



See Ya!



E-mail: volodymyrpf@gmail.com
by Speaker: V. Pfaifer

softserve