**Types Testing for Tracker**

**Verification “Parcel search”.**

***Smoke:***

1. Verification the search features (entering valid track number, push key “Enter” or search icon, then push “Details”)

2. Checking the search features (scan QR-code with valid track number, push key “Enter” or QR icon, then push “Details”)

***Functional***

For number:

1. Verify that Track number field has valid placeholder

2. Verify that entering blank space in field leads to “Nothing found” message

3. Verify that entering valid track number shows current Track number information

4. Verify that entering invalid Parcel’s Track number in field leads to “Nothing found” message

5. Verify that Status Parcel’s page has Post company information and Details button

For QR-code:

1. Make sure that the entered valid RAR reflects the current track number information

2. Make sure that entering an invalid parcel ID in the field leads to the message "Nothing found".

3. Make sure the Parcel Status page has company information and a Details button.

**Verification “REGISTRATION” functionality**

**Smoke: с**hecking the Registration features (entering text, push Sign Up button, Email editing).

Navigate to Sign Up. In the “Email” field enter the email address of unregistered user. In the “Password” field entering password. In the “Confirm password” field reentering password. Click “Sign Up” button. If success go to the next app department. If not – error message appears.

***Functional***

1. Verify that Email, Password, Confirm password fields have a valid placeholder
2. Verify that entering blank spaces on fields lead to error
3. Verify the case sensitivity of Email (that it works both ways – all Caps and small letters confirmed)
4. Verify that the character limit of password based on requirement
5. Verify the validation of email field by entering incorrect email id
6. Verify whether the password and confirm password are same or not

**Verification “LOG IN” functionality**

***Smoke:*** Checking the Login page features (entering Email and password, push “Login” button.  Push “Login with Google”, push “Login with Facebook”)

Navigate to the Log In. Click Main menu button and going to Log In.

In the “Email” field enter the email address of registered user. In the “Password” field entering password. Click “Log In” button.

“Log In with Google” and “Log In with Facebook”. Redirecting to the Google accounts Log In page and Facebook Log In page.

If success go to the next app department. If not – error message appears.

***Functional***

* Verify that Submit button is clickable
* Verify that Email and Password fields have a valid placeholder
* Verify that entering blank spaces on fields lead to error
* Verify the case sensitivity of Email (that it works both ways – all Caps and small letters confirmed)
* Verify that the character limit of password based on requirement
* Verify the validation of email field by entering incorrect email ID
* Verify that the link “Sign up” is clickable
* Verify that the link “Forgot password” is clickable and user can reset password
* Verify Log out

**Verification “My parcel's history” functionality**

***Smoke***

If registration or log in are incorrect, the system doesn’t show anything.

If Registration or Log in successfully, user navigate to my parcel’s history and see list with parcels.

***Functional***

1. Verify list of parcels is displayed.
2. Verify that Status Parcels page has Post Company information and statuses of parcels.
3. Verify filters parcels by status, service, date.

**Verification “Change Profile Data” functionality**

If registration or log in are incorrect, the system doesn’t show anything.

If Registration or Log in successfully, user navigate to my parcel’s history and can change profile data.

* Verify update data of registered user: phone number and password.

**Verification “Parcel’s filter” functionality 1.9**

***Smoke:*** Quick checking the “Parcel’s filter” features (Click “Filter” button, changing filter status)

Opening My Parcels. Checking functionality of Parcel’s filter. Click “Filter” button. Setting Status (e.g. Received, Not Received, ordered by Date, etc) If success system shows me categorized Parcels list. If no – Nothing changed.

***Functional***

1. Verify that the “Filter” button allow to change status of the parcels list. And system shows the parcels list which user was looking for.

**Non-functional:**

**Performance**

Verify response time for all pages.

**Load -** (points and distributed load)

Verify the site works when 50 and 100 users visits sites and all search parcels, all registration or all log in.

Verify the site works when 50 and 100 users visits sites, and they don’t do the same actions.

**Stress Testing**

Verify when we have 200 users in the site at the same time, the site will not crash, we don’t lose data of registration users and new users see system message: “Server is overload, there is maybe a 5 seconds loading delay, please wait”.

**UI**

* The logo leads to the main page of the site.
* No spelling or grammatical errors, all pages have correct titles.
* Alignment of pictures, fonts, texts.
* Informative errors, hints.
* Tooltips exist for all fields.
* Padding between fields, columns, rows and error messages.
* Buttons have appropriate size, color.
* There are no broken links or images on the site.
* The scroll should only appear when it is required.
* Correct language selection.
* The presence of placeholders in the fields.
* Pages doesn’t lose data, buttons, fields when site is with different size of screen.

**Accessibility**

To verify showing buttons and active field, it must be accessible from the keyboard, and the user must be able to use the site using only the keyboard.

**Cross-platform testing**

Verify the search for parcels in browsers: Google Chrome/Safari/Firefox and OS Microsoft Windows/macOS

**Localization**

Change the language and verify the translation of all elements of the WEB application based on the selected language. When translating the text, do not go beyond the buttons, the text is not formed.