

Statistic page UI Integration test

In this document there are the steps to do a manual test of Statistics GUI and also the expected results

Prerequisites:

1. Clone the repository of the project.
2. Install npm, node and nodemon.
3. Open a terminal and perform the following commands:

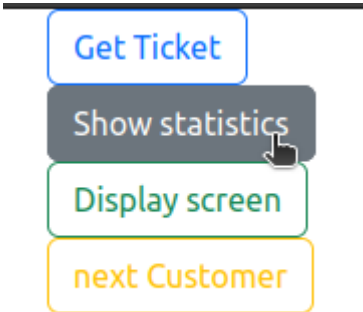
```
cd ./client  
npm install  
npm start
```

4. In another terminal:

```
cd ./server  
npm install  
npm start
```

Test 1: Render of Statistics page after manager press Show stats button

- 1. Open the main page at link <https://localhost:3000>.
- 2. Press the button Show Statistics.



- 3. The page render the results of the query performed with the default filter in a table that show only the selected filter.
- 4. Default filter is the `service type` that compare also as a button in the selected filter form.

Selected filters:

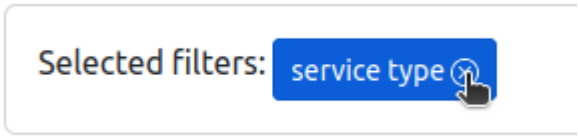
service type ⊗

Add filter ▾

Type of Service	# of customers
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Test 2: Remove a selected filter

1. On the statistics page press on one of the selected filters.



- 2. The filter is removed.
- 3. Open the dropdown menu to add a new filter.
- 4. The previously deleted filter compare on the list of available filters.



Test 3: Add a new filter

- 1. On the statistics page open the `add filter` dropdown menu.
- 2. Select from the list the desired filter and press on it.

Selected filters:

Add filter

counter

day

week

month

service type

Type of Service	# of customers
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- 3. The new filter is added in the selected filter form.

Selected filters: day

Add filter

counter

week

month

service type

Type of Service	# of customers
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- 4. The operation can be repeated to add another filter.

Selected filters: day service type

Test 4: New time period filter cannot be added if another one of the same type is already selected

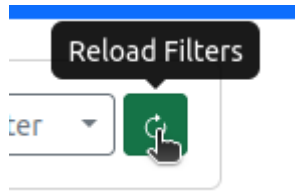
1. On the statistic page a time period filter is selected.
2. Open the dropdown menu to add a filter.
3. Other time period filter are greyed out and cannot be added as active filters

The screenshot shows a user interface for selecting filters. At the top, a box labeled "Selected filters:" contains a blue button with the text "day" and a close icon (⊗). To the right of this box is a dropdown menu labeled "Add filter" with a downward arrow, and a green button with a refresh icon (↺). Below the "Selected filters:" box is a table with two columns: "Type of Service" and "# of customers". The table is currently empty. To the right of the table is a vertical list of four buttons: "counter" (blue), "week" (green), "month" (red), and "service type" (cyan). A mouse cursor is hovering over the "month" button, which is highlighted with a red border. The "counter", "week", and "service type" buttons are also highlighted with their respective colors. The "month" button is highlighted with a red border.

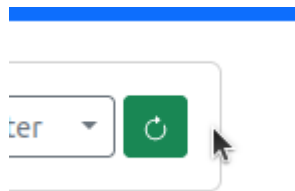
Type of Service	# of customers
-----------------	----------------

Test 5: On mouse over the Reload button trigger a tooltip to appear

1. On the statistic page move the cursor on the reload button
2. A tooltip appear



3. Move away the cursor from the button
4. The tooltip disappear



Test 6: Update the filters without make changes on selected filter do not triggrr an update

- 1. On the statistic page press the reload button
- 2. Nothing change in the visualization of the table

Selected filters: counter month Add filter Reload Filters

Counter	Month	# of customers
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Test 7: Update the filters with changes on the selected filters change the table view

1. On the statistic page select different filters on the form from the ones in the table and press the reload button.

Selected filters: service type day Add filter Reload Filters

Counter	Month	# of customers
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2. The headers of the table change accordingly to the selected filters.

Selected filters: service type day Add filter

Type of Service	Day	# of customers
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