The task is to test the GUI of the Flight Tickets Booking application

Use the CRUD flight scenario to do the following:

Flights List

Add Flight

Flight ID	Number	From	To	Departure	Arrival	Gate	Status	Flight Charge	Aircraft	Available Seats		
1	ZY-8171	string	Gladys Eeya	2022-09-25 Sun Sep 25 00:22:33 UTC 2022	2022-09-26 Sun Sep 25 01:26:09 UTC 2022			746.8465246989646	Il-2	-5/1	...	Cancel

- **Investigate the DOM tree on the Elements tab, and compare it with the View HTML source. What could be done here, that is impossible to do with the View page source?**

With View HTML we can see only HTML . it's not very convenient to see DOM tree with View HTML . We can see nested objects with appropriate HTML tags.

And with Devtools in Elements tab we can see all information about HTML code and DOM tree.There is a pointer for quick navigation in the tree (select the pointer and use it to left-click an element - the element will be selected in the tree). It is possible to edit the DOM - change an element's attributes, add or delete an element, etc. Also, there is a Styles sub-panel so it is possible to view all the CSSs applied. There is also a way to turn on/off and edit individual style settings. One more useful thing to mention here - is the screen resolution changer.

The "View Page Source" option shows the original HTML source as it was received from the server. However, it doesn't reflect any modifications made to the DOM after the initial page load.

In the "Elements" tab, you can see the current state of the DOM, including any dynamic changes made by JavaScript or user interactions. This is crucial for debugging and understanding how the page evolves during runtime.

In the "Elements" tab, you can edit the HTML, CSS, and even JavaScript live. Any changes you make are immediately reflected on the page, allowing you to experiment with modifications without affecting the actual source code on the server.

This live editing capability is not possible with the "View Page Source" option.

In summary, while "View Page Source" is useful for seeing the initial HTML received from the server, the "Elements" tab in DevTools provides a more dynamic and interactive way to inspect and modify the current state of the DOM during runtime. This is particularly valuable for debugging, experimenting with changes, and understanding the behavior of dynamic web applications.
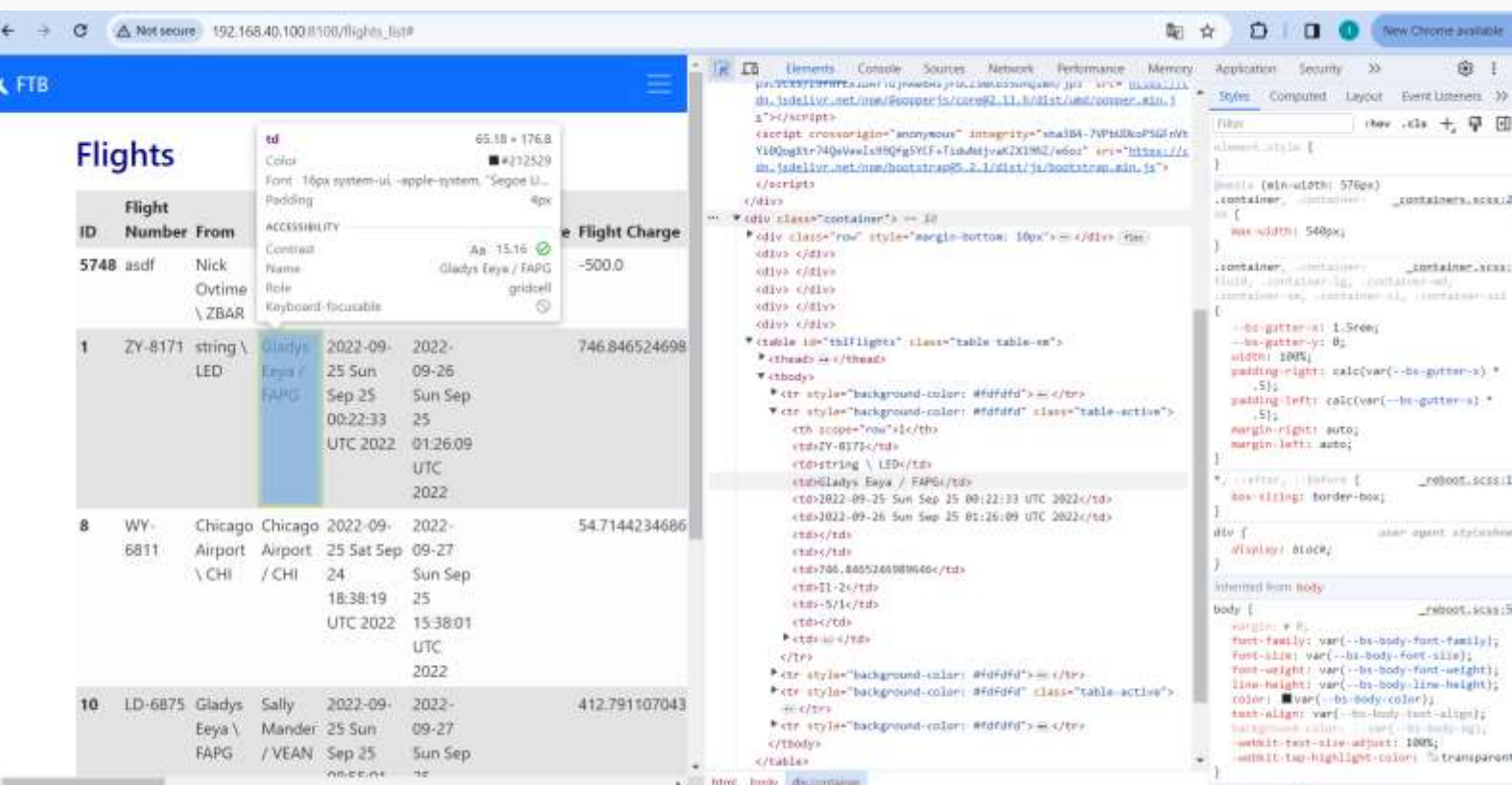
We can see one defect on the homepage with the login button. If the panel for Devtools is not large, than we can see login button
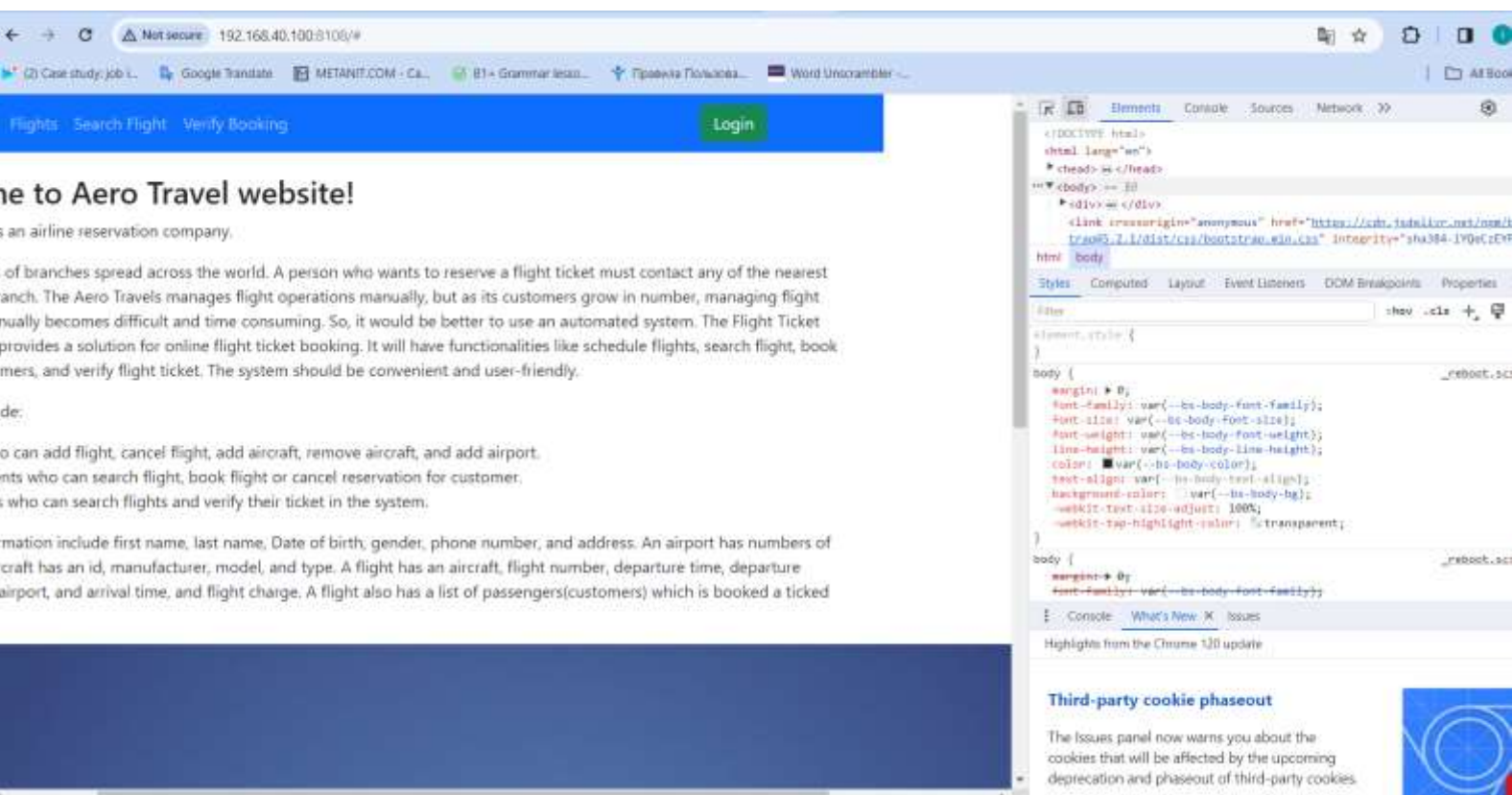
if we make the panel for Devtools larger, then we don't see the login button, and other buttons that were on the blue panel. They have disappeared.
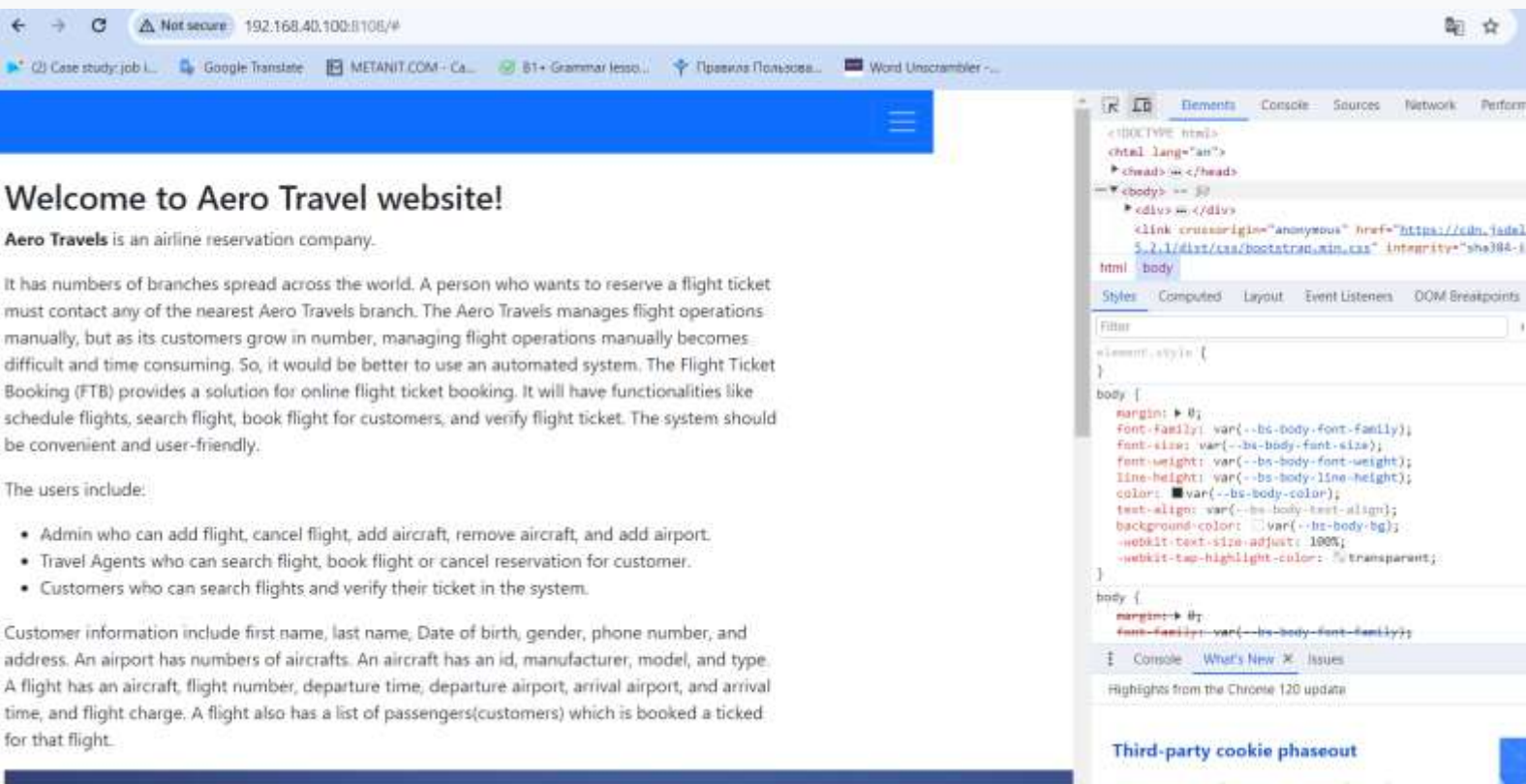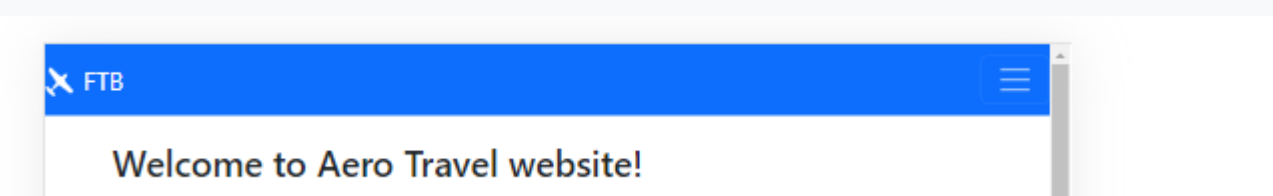

All the information on the page becomes smaller, except for the image with the big plane, it does not change and remains large in size, as it was at the beginning

If we change the size of the screen with the Toggle device toolbar , we can see the same picture: the size of the big plane does not change.

ogle Translate METANIT.COM - Ca... B1+ Grammar lesso... Правила Пользова... Word Unscrambler -...

Dimensions: iPad Air ▼   820   x 1180   50% ▼ No throttling ▼   ⊘   ⋮   ⊡ Elements Console Sources Network Perfor

```html
<!DOCTYPE html>
<html lang="en"> == $0
  <head> … </head>
  <body>
    <div> … </div>
    <link crossorigin="anonymous" href="https://cdn.jsd
    elivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.mi
    n.css" integrity="sha384-iYQeCzEYFbKjA/T2uDLTpkwGzC
    iq6soy8tYaI1GyVh/UjpbCx/TYkiZh1ZB6+fzT" rel="styles
    heet">
    <style type="text/css"></style>
    <div>
      <nav class="navbar navbar-expand-lg navbar-dark b
      g-primary" style="margin-bottom: 20px"> flex
        <a class="navbar-brand" href="#"> … </a>
        <button aria-controls="navbarColor02" aria-
        expanded="false" aria-label="Toggle navigation"
        class="navbar-toggler" data-target="#navbarColo
        r02" data-toggle="collapse" type="button">
          <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navba
        rColor02"> … </div>
      </nav>
      <div class="container"> </div>
```

html

⋮ Console   What's New ✕ Issues

Highlights from the Chrome 120 update

Third-party cookie phaseout

The Issues panel now warns you about the cookies that wil
be affected by the upcoming deprecation and phaseout of
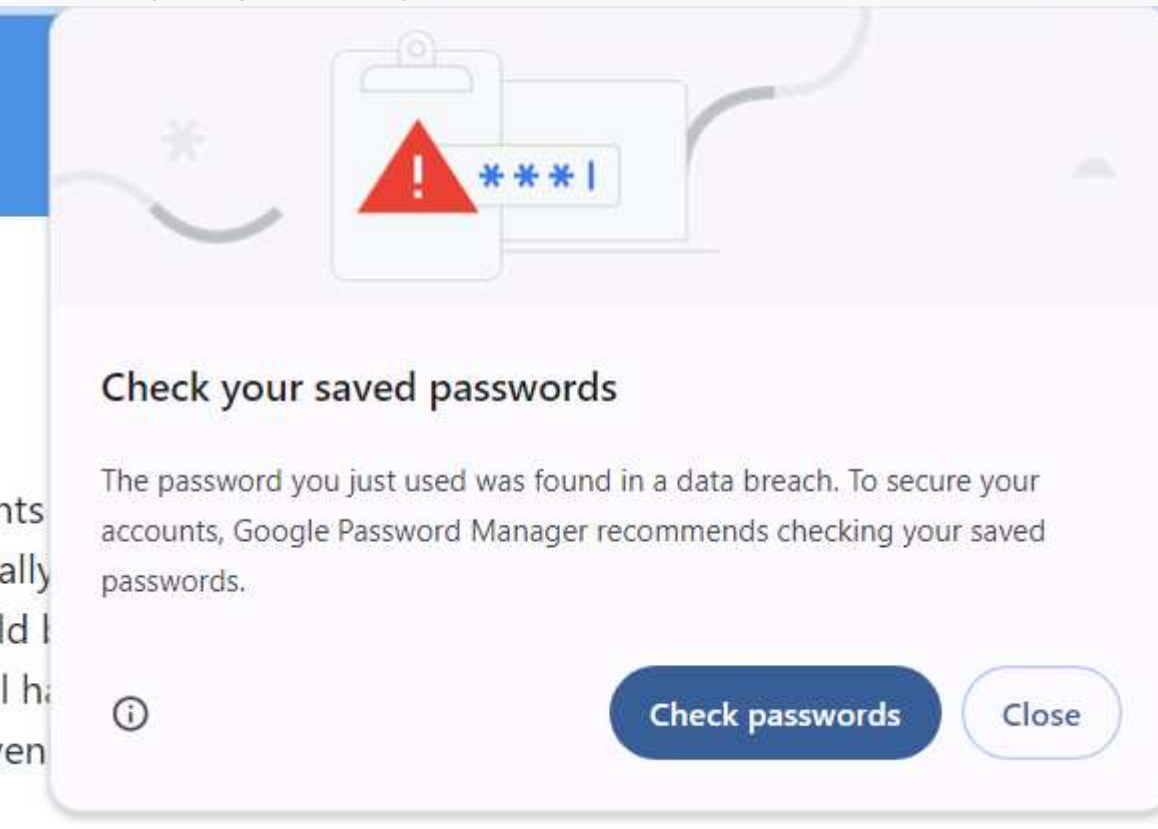third-party cookies.

We do not see the buttons on the blue panel again. And they do not open if we press button in the left corner

✈ FTB   ☰

Welcome to Aero Travel website!

When we try to log in we always see

Check your saved passwords

The password you just used was found in a data breach. To secure your accounts, Google Password Manager recommends checking your saved passwords.

Check passwords   Close

If we try to print empty values for time, we can see a message about mistake

Schedule a Flight

Aircraft

> 16 (821) (52)

Departure Airport

> New Heathrow ()

Destination Airport

> New Heathrow ()

Departure Date

> 12/24/2023

Departure Time

> --:-- --

Arrival Date

> 12/25/2023

Arrival Time

> --:-- --

Flight Number

> 23

Gate

> 25

S' tatus

> BAGS DELIVERED

Flight Charge

> 0.0

Save

[Field error in object 'flight' on field 'arrivalTime': rejected value []; codes
[NotBlank.flight.arrivalTime,NotBlank.arrivalTime,NotBlank.java.lang.String,NotBlank];
arguments [org.springframework.context.support.DefaultMessageSourceResolvable:
codes [flight.arrivalTime,arrivalTime]; arguments []; default message [arrivalTime]];
default message [must not be blank], Field error in object 'flight' on field
'departureTime': rejected value []; codes
[NotBlank.flight.departureTime,NotBlank.departureTime,NotBlank.java.lang.String,NotBlank];
arguments [org.springframework.context.support.DefaultMessageSourceResolvable:
codes [flight.departureTime,departureTime]; arguments []; default message

If we take the same airport for departure and destination the app does not give us any message about mistake and does not add new flight also.

It does not sort by flightid in app.

Flights List

ID	Flight Number	From	To
5715	4K7481	Nick O'Teen	ghj
5737	FC536	Brooke Trout	Ouesso
5711	4A4872	Rocky Rhoades	Yule B. Sari
5718	JL8244	o5678	Charles
5600	dubai-dallas110	string	Nick Ovtime

The pagination at the bottom of the page is too long, it doesn't fit on one page

| 10 | LD-6875 | Gladys Eeya Airport | Sally Mander | 2022-09-25 Sun Sep 25 08:55:01 UTC 2022 | 2022-09-27 Sun Sep 25 07:54:11 UTC 2022 | 412.7911070439199 | 8-787 | 336/350 | Cancel |
| 9 | IB-3042 | Chicago Airport | Hy Ball | 2022-10-09 Sun Sep 25 07:18:57 UTC 2022 | 2022-10-10 Sun Sep 25 01:06:28 UTC 2022 | 255.41547111318354 | Su-35 | 259/263 | Cancel |

Pages: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

We can not cancel flights with passengers, because it has dependency. But we can not see not user friendly message in the bottom about it.

SOmething went wrong upon deleting flight 5600 could not execute statement; SQL [n/a]; constraint [null]; nested exception is org.hibernate.exception.ConstraintViolationException: could not execute statement could not execute statement; SQL [n/a]; constraint [null]; nested exception is org.hibernate.exception.ConstraintViolationException: could not execute statement org.springframework.dao.DataIntegrityViolationException: could not execute statement; SQL [n/a]; constraint [null]; nested exception is org.hibernate.exception.ConstraintViolationException: could not execute statement

If we take a flight without any passengers, we can delete it. But we do not see any messages about deleting successfully.

We do not have any update button in the app for flights, so we can not test updates for flights.

We can also search a flight with search flight page. If all is in right way , we can see this:

- **What errors do you see in the Console tab when running the scenarios? What are they about?**

In Console we can see http://192.168.40.100:8108/favicon.ico does not found

Flights List

Add Flight

Flight ID	Flight Number	From	To	Departure	Arrival	Gate	Status	Flight Charge	Aircraft	Available Seats		
1	ZY-8171	string	Gladys Eeya	2022-09-25 Sun Sep 25 00:22:33 UTC 2022	2022-09-26 Sun Sep 25 01:26:09 UTC 2022			746.8465246989646	Il-2	-5/1	...	Cancel
8	WY-6811	Chicago Airport	Chicago Airport	2022-09-25 Sat Sep 24 18:38:19 UTC 2022	2022-09-27 Sun Sep 25 15:38:01 UTC 2022			54.71442346861982	Tu-204	562/575	...	Cancel
10	LD-6875	Gladys Eeya	Sally Mander	2022-09-25 Sun Sep 25 08:55:01 UTC 2022	2022-09-27 Sun Sep 25 07:54:11 UTC 2022			412.7911070439199	B-787	336/350	...	Cancel