Website description

The title of the website is "Booker", the theme "Flight Ticket Reservations for Tourist Destinations ".

Main technologies used for development are Flask as backend and jQuery for frontend ajax-queries.

All pages share the same base template "`base_template.html`".

There are 9 pages total:

| Page number	Page title	Address	Template
1	None (Main page)	/	`main.html`
2	Contact us	/contact	`contact.html`
3	About us	/about	`about_us.html`
4	Flights	/flight	`choose_flight.html`
5	Booking...	/flight_form	`book_page.html`
6	Checkout	/submit_flight_form	`checkout.html`
7	Weather	/weather	`weather.html`
8	About Madrid!	/madrid	`madrid.html`
9	About London!	/london	`london.html`

Header
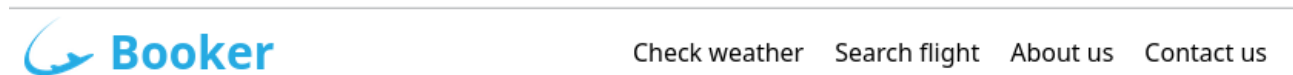
Illustration 1— Header

Header contains clickable logo "Booker" that leads to main page and navigation menu. Header template: `header.html`

Footer
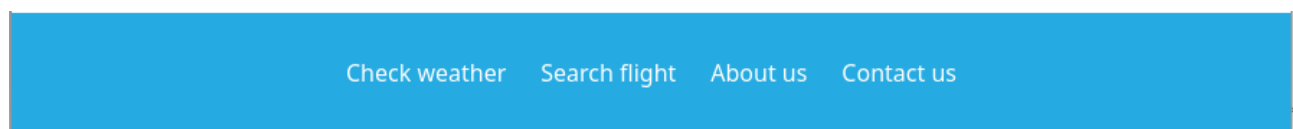
Illustration 2— Footer

Footer has its own template `footer.html.` It contains four links to pages: "Weather", "Flights", "About us", "Contact us"
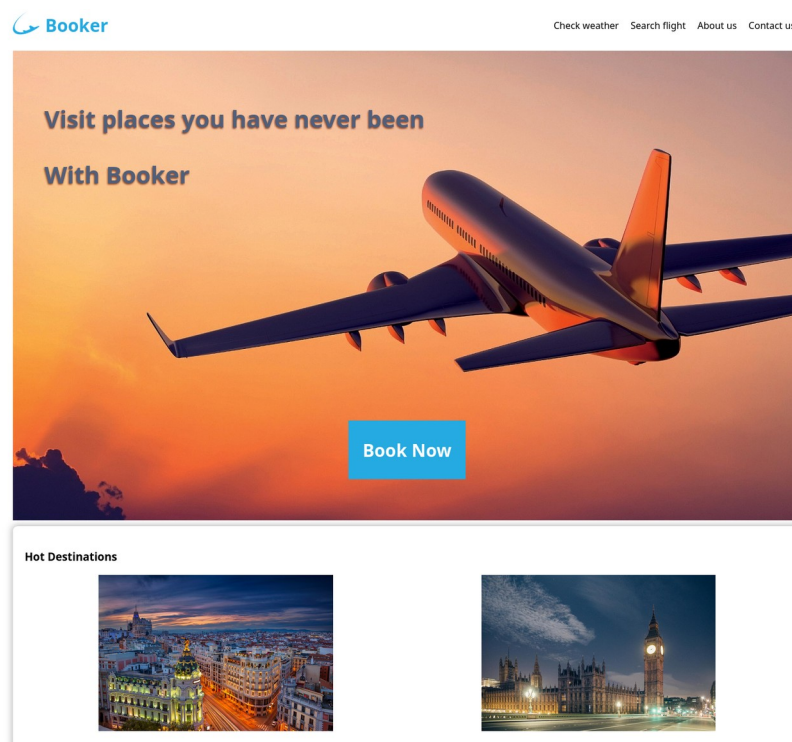
Navigation menu

Illustration 3— Navigation menu

Navigation menu has its own template `navigation_menu.html.` It contains four links to pages: "Weather", "Flights", "About us", "Contact us"

Main page

Illustration 4— Main page

Main page of the website. Contains main banner with "Book now" button and a section "Hot destinations".

"Book now" button leads to "Flights" page.

"Hot destinations" section contains two images which are links to pages about Madrid and London (madrid.html and london.html)

Illustration 5— Mobile view of main page

Contact us

Contact us page consists of three main sections: contact us form, organisation info, and a map. Contact us form requires first name, last name, email, reason of contact, comment section is optional. First name and last name are checked to start from capital letter and contain only letters. Email is also checked to fit into regular email pattern. Reason is a selector.

Booker

Contact us

Please, use the following form to contact us!

First Name

Alexander

Please, complete this field!

Last Name

Miller

Please, complete this field!

Email

example@email.com

Please, complete this field!

Reason of Contact

----- ▾

Please, select the option!

Comment

Submit

Our headquarters are located at:

456 Innovation Boulevard
Tech Town, Silicon Valley 98765

Legal mailing address

101 Progress Avenue
Metro Center, Urbania 12345
Mountain View, Colorado 67890
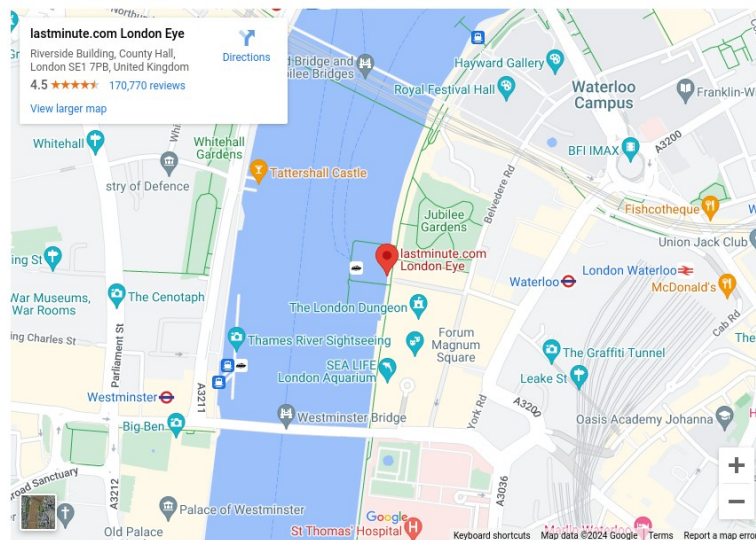
Illustration 6— Mobile view of Contact us page

About us
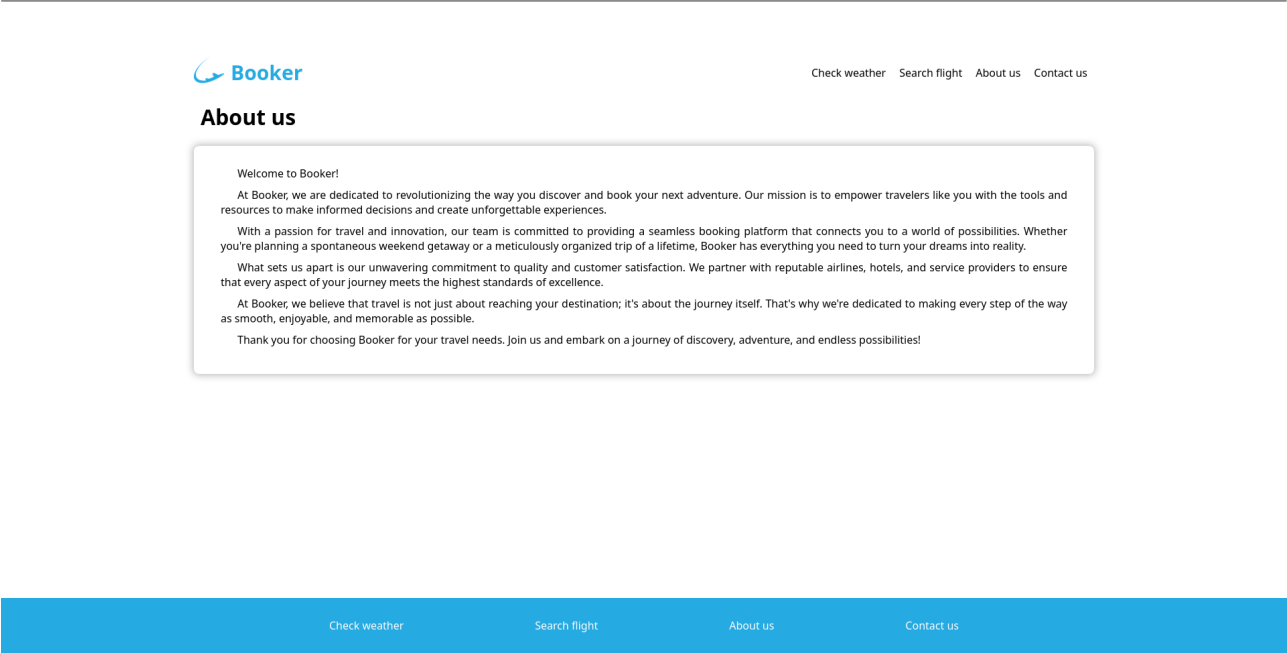
Illustration 7— About us page

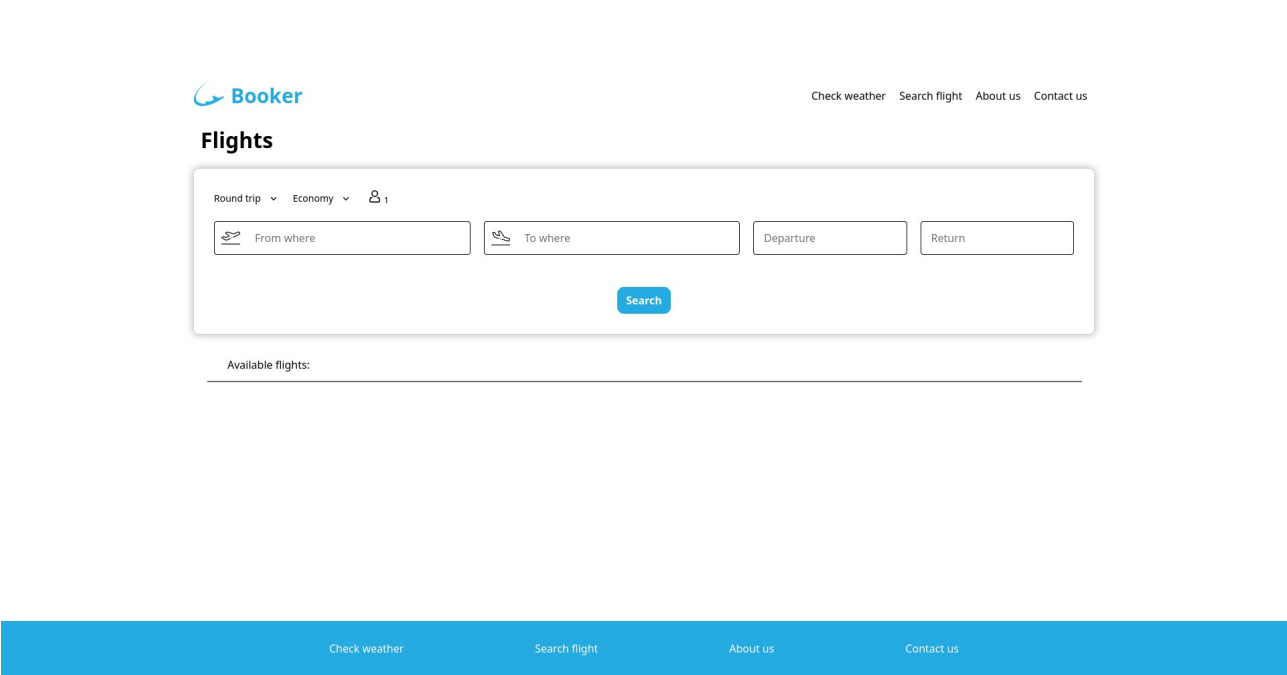Contains description of the website.

Flights

Illustration 8— Flights page

Flights page contains form allowing to search flights according to set of parameters. Parameters include: Round/one way trip, flight class (economy/business/first), amount of

passengers (adults and children) up to 8 person, departure point, destination point, departure date, return date (only for round trip).

Illustration 9— Departure point dropdown

Departure and destination dropdowns support arrow navgation (left/right typing, up/down for option switching). Search can be conducted via city or IATA airport code. Dates are selected via calendar-style input

Illustration 10— If any field is not complete, user will receive notifications

Illustration 11— Example of flight from Bangkok to Seoul for two adults and one child

Booker

Flights

One way ⌄   First ⌄   👤 3

✈ Bangokok, BKK

🛬 Seoul, ICN

23 / 03 / 2024 📅

Search

Available flights:

Time: 09:00 — 11:30	Duration: 2.5 hours BKK—ICN	Nonstop	Cost: 1500	USD ▲

Departure

○ 2024-03-23 09:00 Suvarnabhumi Airport
  Travel Time: 2.5 hours
○ 2024-03-23 11:30 Incheon International Airport

Select →

Illustration 12— Mobile view of Flights page

Booking…

Booking page is three-tab form.

First tab asks for passengers' personal information such as contact email and phone and Name, Surname and Passport number. Validity of names, email, phone and passport numbers are checked, if field is not filled or contains wrong data the user will be notified.

Illustration 13— First tab of Booking form

Second tab is dedicated to seat selection. For every passenger user will be asked to pick a seat on a form.

Illustration 14— Second tab of Booking form

Third tab contains all the data typed final submit button. Checkout button leads to Checkout page.

Booking...

Please check the data, if something is wrong you can return to previous steps

Contact_info

Email **test@email.com**
Phone number **+2343342323**

Passenger 1, adult

First name **Alex**
Last name **Burns**
Passport number **423423432**
Seat number **4C**

Passenger 2, adult

First name **Maria**
Last name **Black**
Passport number **4324234234**
Seat number **4D**

Passenger 3, child

First name **Victor**
Last name **Black**
Passport number **32235355**
Seat number **5C**

← Back	Check out →

Order details

Departure

Date: 2024-03-23
From: Suvarnabhumi Airport at 09:00
2.5 hours in air
To: Incheon International Airport at 11:30

Passenger 1, adult	**USD 600**
Passenger 2, adult	**USD 600**
Passenger 3, child	**USD 300**
Total amount	**USD 1500**

Illustration 15— Third tab of Booking page

Booker

Check weather   Search flight   About us   Contact us

Booking...

Order details

Departure

Date: 2024-03-23

From: Suvarnabhumi Airport at 09:00

2.5 hours in air

To: Incheon International Airport at 11:30

Passenger 1, adult	**USD 600**
Passenger 2, adult	**USD 600**
Passenger 3, child	**USD 300**
Total amount	**USD 1500**

Please check the data, if something is wrong you can return to previous steps

Contact_info

Email   **test@email.com**
Phone number   **+2343342323**

Passenger 1, adult

First name   **Alex**
Last name   **Burns**
Passport number   **423423432**
Seat number   **4C**

Passenger 2, adult

First name   **Maria**
Last name   **Black**
Passport number   **4324234234**
Seat number   **4D**

Passenger 3, child

First name   **Victor**
Last name   **Black**
Passport number   **32235355**
Seat number   **5C**

← Back	Check out →

Check weather   Search flight   About us

Contact us

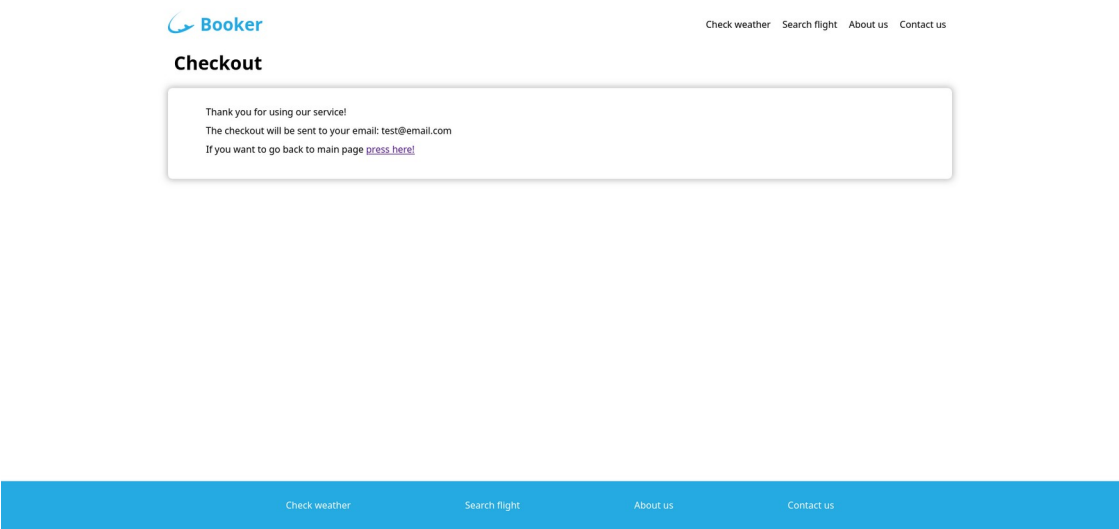*Illustration 16— Mobile view of Booking page*

Checkout

Illustration 17— Checkout page

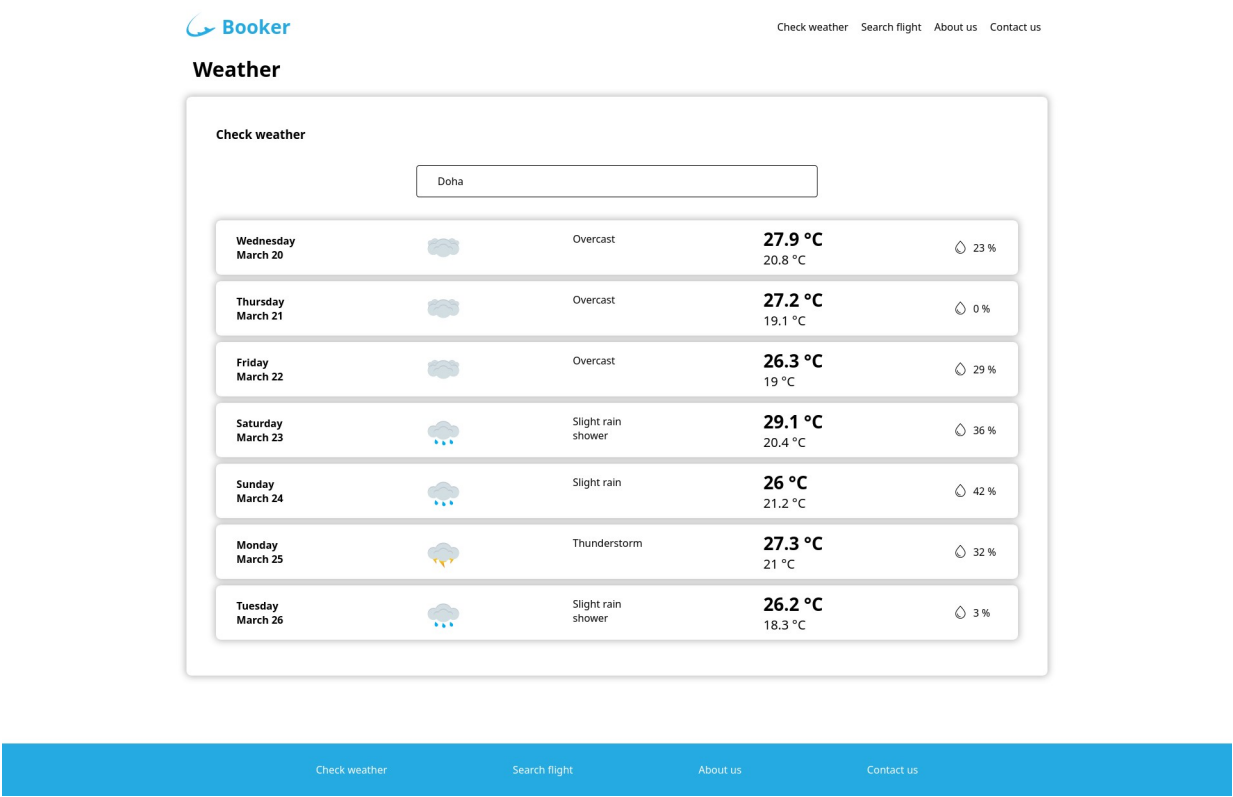## Weather

Illustration 18— Weather page

Weather page contains API integration for weather forecast. API endpoint: https://api.open-meteo.com/v1/forecast.

Illustration 19— Search region of Weather page

Input field supports arrow navigation (left/right for typing, up/down for option switching). Search is conducted by city name. Weather forecast is for 7 day timeframe, it shows maximum and minimum day temperature, main weather type, maximum probability of rain.

About Madrid! And About London!

Illustration 20— About Madrid page

About London!

London, the capital of Great Britain

London, the bustling metropolis nestled along the banks of the River Thames, is a city steeped in history, culture, and diversity. As the capital of the United Kingdom, London is a vibrant tapestry of ancient landmarks, modern skyscrapers, and eclectic neighborhoods.

At the heart of London stands the iconic Big Ben, a symbol of the city's resilience and endurance through the ages. Nearby, the majestic Tower of London stands guard over the city, its storied walls echoing with tales of kings, queens, and intrigue.

One cannot visit London without exploring its world-renowned museums and galleries. From the British Museum, with its vast collection of artifacts spanning millennia, to the Tate Modern, showcasing cutting-edge contemporary art, London is a paradise for art and history enthusiasts alike.

The city's diverse neighborhoods offer a kaleidoscope of experiences, from the colorful markets of Camden Town to the upscale boutiques of Knightsbridge. In Soho, the streets come alive with the sounds of laughter and music as visitors flock to its lively bars, restaurants, and theaters.

London's culinary scene is as diverse as its population, with cuisines from every corner of the globe waiting to be savored. Whether indulging in traditional fish and chips at a local pub or sampling Michelin-starred fare at a fine dining establishment, there's no shortage of culinary delights to discover.

As night falls, London transforms into a dazzling playground for nightlife enthusiasts. From chic rooftop bars offering panoramic views of the city skyline to underground clubs pulsating with the latest beats, there's no shortage of excitement to be found after dark.

But perhaps the most captivating aspect of London is its people – a melting pot of cultures, languages, and backgrounds coming together to create a truly unique tapestry of humanity. Whether sipping tea in a quaint café or cheering on their favorite football team at Wembley Stadium, Londoners exude a sense of warmth and hospitality that makes visitors feel right at home.

In London, every street corner holds a new adventure, and every moment is infused with the energy of this dynamic city. It's a place where the past meets the present, and where dreams are born amidst the hustle and bustle of everyday life.

London truly is a city like no other, where the possibilities are endless and the memories last a lifetime.

Illustration 21— About London Page

Both pages About Madrid! And About London! Contain some information about corresponding city, image and video review.