

# Space Tourism Management System

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REST API Service (SPRING BOOT REST) runs on port: 9000

Web Application (SPRING BOOT MVC) runs on port: 8080

## HTTP Methods

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### Flight Controller:

GET: api/flight <- gets all flights

GET: api/flight/{id} <- get a single flight with {id}

POST: api/flight <- create a flight

PUT: api/flight/{id} <- update a flight with {id}

PUT: api/flight/{flightId}/tourist/{touristId} <- add a tourist {touristId} to a flight {flightId}

DELETE: api/flight/{flightId}/tourist/{touristId} <- delete a tourist {touristId} from a flight {flightId}

DELETE: api/flight/{id} <- delete a single flight with {id}

### Flight Controller:

GET: api/tourist <- gets all tourists

GET: api/tourist/{id} <- get a single tourist with {id}


POST: api/tourist <- create a tourist

PUT: api/tourist/{id} <- update a tourist with {id}

DELETE: api/tourist/{id} <- delete a single tourist with {id}

# Tourist Pages

List of tourists:

 Space Flights


HomeTouristsFlights

List of tourists

ID	First name	Last name	Gender	Country	Remarks	DOB	Action
1	Jane	Fields	Female	United Kingdom	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.	1981-06-07	<a href="#">Amend</a> <a href="#">Edit flights</a> <a href="#">Delete</a>
2	Rosa	Romero	Female	Switzerland		1975-02-25	<a href="#">Amend</a> <a href="#">Edit flights</a> <a href="#">Delete</a>
3	Wayne	Mccoy	Male	Ireland	none	1989-11-14	<a href="#">Amend</a> <a href="#">Edit flights</a> <a href="#">Delete</a>


Add a new tourist


Create a new tourist:

 Space Flights

HomeTouristsFlights


New tourist details


 First and last name:


 Gender

Male

Female

 Country:

 Date of birth:


 Remarks

Remarks - please give us much detail as possible.

Submit


[Back to List](#)


## Edit selected tourist:


 Space Flights


Home Tourists Flights


### Amend tourist details

 First and last name:


 Gender

 Country:

 Date of birth:

 Remarks


## Validation:


 Space Flights


Home Tourists Flights


### New tourist details


An error occurred in field(s):  
country - wrong value: .  
lastName - wrong value: .  
firstName - wrong value: .  
Date of birth - the date cannot be after the present.

 First and last name:


 Gender

 Country:

 Date of birth:

 Remarks

Delete tourist:

Space Flights

HomeTouristsFlights

List of tourists

ID	First name	Last name	Gender	Country	Remarks	DOB	Action
1	Jane	Fields	Female	United Kingdom	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.	1981-06-07	<div>AmendEdit flightsDelete</div>
2	Rosa	Romero	Female	Switzerland		1975-02-25	<div>AmendEdit flightsDelete</div>
3	Wayne	Mccoy	Male	Ireland		1989-11-14	<div>AmendEdit flightsDelete</div>

Are you sure you want to delete this tourist?

CancelOK

Add a new tourist

Add/Remove a flight of the selected tourist:

## Flights for the tourist ID: 3

ID	Departure	Arrival	Ticket price	Number of seats	Reserved seats	Action
2	2019-08-05 12:00	2019-08-05 18:20	255.99	10	2	<a href="#">Remove from the tourist</a>


## Flights that are not booked by the current tourist

ID	Departure	Arrival	Ticket price	Number of seats	Reserved seats	Action
1	2020-02-20 06:30	2020-02-20 10:45	199.0	2	2	<a href="#">The flight is full</a>
3	2019-12-18 11:30	2019-12-18 15:00	145.8	30	0	<a href="#">Add to the tourist</a>

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# Flight Pages

List of flights:

 Space Flights


Home Tourists Flights

List of flights

ID	Departure	Arrival	Ticket price	Number of seats	Tourists	Action
1	2020-02-20 06:30	2020-02-20 10:45	199.0	2	Number: 2 <button>Edit List</button>	<button>Amend</button> <button>Delete</button>
2	2019-08-05 12:00	2019-08-05 18:20	255.99	10	Number: 2 <button>Edit List</button>	<button>Amend</button> <button>Delete</button>
3	2019-12-18 11:30	2019-12-18 15:00	145.8	30	Number: 0 <button>Edit List</button>	<button>Amend</button> <button>Delete</button>


Add a new flight

Create a new flight:


 Space Flights

Home Tourists Flights


New flight details

 Departure:


dd/mm/yyyy, --:--

 Arrival:

dd/mm/yyyy, --:--

 Number of available seats:

Seats number


 Ticket price:

Price

Submit


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## Edit selected flight:


 Space Flights

Home Tourists Flights


### Amend flight details

 Departure:


20/02/2020, 06:30

 Arrival:

20/02/2020, 10:45


 Number of available seats:

2


 Ticket price:

199.0

Submit

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## Validation:

 Space Flights


Home Tourists Flights

### New flight details


An error occurred in field(s):  
numberOfSeats - wrong value: aaaa.  
ticketPrice - wrong value: null.  
Departure date cannot be after the arrival.

 Departure:


02/09/2019, 00:00

 Arrival:

01/09/2019, 00:00

 Number of available seats:


Seats number

 Ticket price:

Price

Submit

## Delete flight:

 Space Flights

HomeTouristsFlights


### List of flights

ID	Departure	Arrival	Ticket price	Number of seats	Tourists	Action
1	2020-02-20 06:30	2020-02-20 10:45	199.0	2	Number: 2	<div>Edit List</div> <div>AmendDelete</div>
2	2019-08-05 12:00	2019-08-05 18:20	255.99	10	Number: 2	<div>Edit List</div> <div>AmendDelete</div>
3	2019-12-18 11:30	2019-12-18 15:00	145.8	30	Number: 0	<div>Edit List</div> <div>AmendDelete</div>

Are you sure you want to delete this flight?

CancelOK

## Add/Remove tourist from the selected flight:

 Space Flights

HomeTouristsFlights

### Tourists of the flight ID: 2

ID	First name	Last name	Gender	Country	Remarks	DOB	Action
2	Rosa	Romero	Female	Switzerland		1975-02-25	<div>Remove from the flight</div>
3	Wayne	Mccoy	Male	Ireland	none	1989-11-14	<div>Remove from the flight</div>


### Tourists not in the current flight

ID	First name	Last name	Gender	Country	Remarks	DOB	Action
1	Jane	Fields	Female	United Kingdom	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.	1981-06-07	<div>Add to the flight</div>

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Add/Remove tourist from the selected flight when flight is full:

Space Flights


HomeTouristsFlights

Tourists of the flight ID: 1

ID	First name	Last name	Gender	Country	Remarks	DOB	Action
1	Jane	Fields	Female	United Kingdom	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.	1981-06-07	<button>Remove from the flight</button>
2	Rosa	Romero	Female	Switzerland		1975-02-25	<button>Remove from the flight</button>

The flight is full.

To add a tourist you need to remove one or change the number of seats.

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# Unit tests:

Run: eu.treative.spacetourism in space-tourism

Run

Stop

Debug

Test

Run and Debug

Run and Test

Run and Profile

Run and Benchmark

Run and Coverage

Run and Memory

Run and Heap

Run and CPU

Run and Network

Run and System

Run and UI

Run and Accessibility

Run and Performance

Run and Profiling

Run and Benchmarking

Run and Coverage

Run and Memory

Run and Heap

Run and CPU

Run and Network

Run and System

Run and UI

Run and Accessibility

Run and Performance

Run and Profiling

Run and Benchmarking

1 s 587 ms

1 s 287 ms

623 ms

411 ms

153 ms

38 ms

21 ms

430 ms

229 ms

78 ms

35 ms

40 ms

48 ms

110 ms

66 ms

44 ms

124 ms

300 ms

36 ms

124 ms

47 ms

27 ms

50 ms

64 ms

76 ms

24 ms

26 ms

26 ms

93% classes, 96% lines covered in package 'eu.treative.spacetourism'

Element	Class, %	Method, %	Line, %
controller	100% (2/2)	100% (15/15)	100% (29/29)
dto	100% (3/3)	100% (16/16)	100% (20/20)
entity	100% (2/2)	100% (22/22)	100% (36/36)
exception	100% (2/2)	33% (2/6)	66% (8/12)
repository	100% (0/0)	100% (0/0)	100% (0/0)
service	100% (2/2)	100% (17/17)	100% (72/72)
utils	0% (0/1)	100% (0/0)	100% (0/0)
DBInitializer	100% (3/3)	100% (5/5)	96% (32/33)
SpaceTourismApplication	100% (1/1)	0% (0/1)	33% (1/3)