

# restful-booker

API documentation for the playground API restful-booker. Click here to go back to Home [/]

## Auth

### Auth - CreateToken

Creates a new auth token to use for access to the PUT and DELETE /booking

POST

```
https://restful-booker.herokuapp.com/auth
```

- Example 1: [#examples-Auth-CreateToken-1\_0\_0-0]

```
curl -X POST \  
  https://restful-booker.herokuapp.com/auth \  
  -H 'Content-Type: application/json' \  
  -d '{  
    "username" : "admin",  
    "password" : "password123"  
  }'
```

#### Header

Field	Type	Description
Content-Type	string	Sets the format of payload you are sending  Default value: application/json

#### Request body

Field	Type	Description
username	String	Username for authentication Default value: admin
password	String	Password for authentication Default value: password123

## Success 200

Field	Type	Description
token	String	Token to use in future requests

- Response: [#success-examples-Auth-CreateToken-1\_0\_0-0]

```
HTTP/1.1 200 OK
```

```
{  
  "token": "abc123"  
}
```

# Booking

## Booking - GetBookingsIds

Returns the ids of all the bookings that exist within the API. Can take optional query strings to search and return a subset of booking ids.

GET

```
https://restful-booker.herokuapp.com/booking
```

- Example 1 (All IDs): [#examples-Booking-GetBookings-1\_0\_0-0]

- Example 2 (Filter by name): [#examples-Booking-GetBookings-1\_0\_0-1]
- Example 3 (Filter by checkin/checkout date): [#examples-Booking-GetBookings-1\_0\_0-2]

```
curl -i https://restful-booker.herokuapp.com/booking
```

```
curl -i https://restful-booker.herokuapp.com/booking?firstname=sally&lastname=bro
```

```
curl -i https://restful-booker.herokuapp.com/booking?checkin=2014-03-13&checkout=
```

## Parameter

Field		Type	Description
firstname	optional	String	Return bookings with a specific firstname
lastname	optional	String	Return bookings with a specific lastname
checkin	optional	date	Return bookings that have a checkin date greater than or equal to the set checkin date. Format must be CCYY-MM-DD
checkout	optional	date	Return bookings that have a checkout date greater than or equal to the set checkout date. Format must be CCYY-MM-DD

## Success 200

Field	Type	Description
object	object[]	Array of objects that contain unique booking IDs
bookingid	number	ID of a specific booking that matches search criteria

- Response: [#success-examples-Booking-GetBookings-1\_0\_0-0]

```
HTTP/1.1 200 OK
```

```
[
  {
    "bookingid": 1
  },
  {
    "bookingid": 2
  },
  {
    "bookingid": 3
  },
  {
    "bookingid": 4
  }
]
```

## Booking - GetBooking

Returns a specific booking based upon the booking id provided

GET

```
https://restful-booker.herokuapp.com/booking/:id
```

- Example 1 (Get booking): [#examples-Booking-GetBooking-1\_0\_0-0]

```
curl -i https://restful-booker.herokuapp.com/booking/1
```

### Header

Field	Type	Description
Accept	string	Sets what format the response body is returned in. Can be application/json or application/xml  Default value: application/json

### Url Parameter

Field	Type	Description
id	String	The id of the booking you would like to retrieve

## Success 200

Field	Type	Description
firstname	String	Firstname for the guest who made the booking
lastname	String	Lastname for the guest who made the booking
totalprice	Number	The total price for the booking
depositpaid	Boolean	Whether the deposit has been paid or not
bookingdates	Object	Sub-object that contains the checkin and checkout dates
checkin	Date	Date the guest is checking in
checkout	Date	Date the guest is checking out
additionalneeds	String	Any other needs the guest has

- JSON Response: [#success-examples-Booking-GetBooking-1\_0\_0-0]
- XML Response: [#success-examples-Booking-GetBooking-1\_0\_0-1]
- URL Response: [#success-examples-Booking-GetBooking-1\_0\_0-2]

HTTP/1.1 200 OK

```
{
  "firstname": "Sally",
  "lastname": "Brown",
  "totalprice": 111,
  "depositpaid": true,
  "bookingdates": {
```


```
    "checkin": "2013-02-23",  
    "checkout": "2014-10-23"  
  },  
  "additionalneeds": "Breakfast"  
}
```

HTTP/1.1 200 OK

```
<booking>  
  <firstname>Sally</firstname>  
  <lastname>Brown</lastname>  
  <totalprice>111</totalprice>  
  <depositpaid>true</depositpaid>  
  <bookingdates>  
    <checkin>2013-02-23</checkin>  
    <checkout>2014-10-23</checkout>  
  </bookingdates>  
  <additionalneeds>Breakfast</additionalneeds>  
</booking>
```

HTTP/1.1 200 OK

firstname=Jim&lastname=Brown&totalprice=111&depositpaid=true&bookingdates%5Bcheck



## Booking - CreateBooking

Creates a new booking in the API

POST


<https://restful-booker.herokuapp.com/booking>

- JSON example usage: [#examples-Booking-CreateBooking-1\_0\_0-0]
- XML example usage: [#examples-Booking-CreateBooking-1\_0\_0-1]
- URLEncoded example usage: [#examples-Booking-CreateBooking-1\_0\_0-2]

```
curl -X POST \
  https://restful-booker.herokuapp.com/booking \
  -H 'Content-Type: application/json' \
  -d '{
    "firstname" : "Jim",
    "lastname" : "Brown",
    "totalprice" : 111,
    "depositpaid" : true,
    "bookingdates" : {
      "checkin" : "2018-01-01",
      "checkout" : "2019-01-01"
    },
    "additionalneeds" : "Breakfast"
  }'
```

```
curl -X POST \
  https://restful-booker.herokuapp.com/booking \
  -H 'Content-Type: text/xml' \
  -d '<booking>
    <firstname>Jim</firstname>
    <lastname>Brown</lastname>
    <totalprice>111</totalprice>
    <depositpaid>true</depositpaid>
    <bookingdates>
      <checkin>2018-01-01</checkin>
      <checkout>2019-01-01</checkout>
    </bookingdates>
    <additionalneeds>Breakfast</additionalneeds>
  </booking>'
```

```
curl -X POST \
  https://restful-booker.herokuapp.com/booking \
  -H 'Content-Type: application/x-www-form-urlencoded' \
  -d 'firstname=Jim&lastname=Brown&totalprice=111&depositpaid=true&bookingdates%5
```



## Header

Field	Type	Description
Content-Type	string	Sets the format of payload you are sending. Can be application/json or text/xml  Default value: application/json
Accept	string	Sets what format the response body is returned in. Can be application/json or application/xml  Default value: application/json

## Request body

Field	Type	Description
firstname	String	Firstname for the guest who made the booking
lastname	String	Lastname for the guest who made the booking
totalprice	Number	The total price for the booking
depositpaid	Boolean	Whether the deposit has been paid or not
checkin	Date	Date the guest is checking in
checkout	Date	Date the guest is checking out
additionalneeds	String	Any other needs the guest has

## Success 200

Field	Type	Description
bookingid	Number	ID for newly created booking



Field	Type	Description
booking	Object	Object that contains
firstname	String	Firstname for the guest who made the booking
lastname	String	Lastname for the guest who made the booking
totalprice	Number	The total price for the booking
depositpaid	Boolean	Whether the deposit has been paid or not
bookingdates	Object	Sub-object that contains the checkin and checkout dates
checkin	Date	Date the guest is checking in
checkout	Date	Date the guest is checking out
additionalneeds	String	Any other needs the guest has

- JSON Response: [#success-examples-Booking-CreateBooking-1\_0\_0-0]
- XML Response: [#success-examples-Booking-CreateBooking-1\_0\_0-1]
- URL Response: [#success-examples-Booking-CreateBooking-1\_0\_0-2]

HTTP/1.1 200 OK

```
{
  "bookingid": 1,
  "booking": {
    "firstname": "Jim",
    "lastname": "Brown",
    "totalprice": 111,
    "depositpaid": true,
    "bookingdates": {
      "checkin": "2018-01-01",
```

```
    "checkout": "2019-01-01"
  },
  "additionalneeds": "Breakfast"
}
```

HTTP/1.1 200 OK

```
<?xml version='1.0'?>
<created-booking>
  <bookingid>1</bookingid>
  <booking>
    <firstname>Jim</firstname>
    <lastname>Brown</lastname>
    <totalprice>111</totalprice>
    <depositpaid>true</depositpaid>
    <bookingdates>
      <checkin>2018-01-01</checkin>
      <checkout>2019-01-01</checkout>
    </bookingdates>
    <additionalneeds>Breakfast</additionalneeds>
  </booking>
</created-booking>
```

HTTP/1.1 200 OK

bookingid=1&booking%5Bfirstname%5D=Jim&booking%5Blastname%5D=Brown&booking%5Btotalprice%5D=111&booking%5Bdepositpaid%5D=true&booking%5Bcheckin%5D=2018-01-01&booking%5Bcheckout%5D=2019-01-01&booking%5Badditionalneeds%5D=Breakfast

## Booking - UpdateBooking

Updates a current booking

PUT

<https://restful-booker.herokuapp.com/booking/:id>

- JSON example usage: [examples-Booking-UpdateBooking-1\_0\_0-0]

- XML example usage: [#examples-Booking-UpdateBooking-1\_0\_0-1]
- URLEncoded example usage: [#examples-Booking-UpdateBooking-1\_0\_0-2]

```
curl -X PUT \
  https://restful-booker.herokuapp.com/booking/1 \
  -H 'Content-Type: application/json' \
  -H 'Accept: application/json' \
  -H 'Cookie: token=abc123' \
  -d '{
    "firstname" : "James",
    "lastname" : "Brown",
    "totalprice" : 111,
    "depositpaid" : true,
    "bookingdates" : {
      "checkin" : "2018-01-01",
      "checkout" : "2019-01-01"
    },
    "additionalneeds" : "Breakfast"
  }'
```

```
curl -X PUT \
  https://restful-booker.herokuapp.com/booking/1 \
  -H 'Content-Type: text/xml' \
  -H 'Accept: application/xml' \
  -H 'Authorization: Basic YWRtaW46cGFzc3dvcmQxMjM=' \
  -d '<booking>
  <firstname>James</firstname>
  <lastname>Brown</lastname>
  <totalprice>111</totalprice>
  <depositpaid>true</depositpaid>
  <bookingdates>
    <checkin>2018-01-01</checkin>
    <checkout>2019-01-01</checkout>
  </bookingdates>
  <additionalneeds>Breakfast</additionalneeds>
</booking>'
```

```
curl -X PUT \
  https://restful-booker.herokuapp.com/booking/1 \
```

```
-H 'Content-Type: application/x-www-form-urlencoded' \
-H 'Accept: application/x-www-form-urlencoded' \
-H 'Authorization: Basic YWRtaW46cGFzc3dvcmQxMjM=' \
-d 'firstname=Jim&lastname=Brown&totalprice=111&depositpaid=true&bookingdates%
```

## Header

Field	Type	Description
Content-Type	string	<p>Sets the format of payload you are sending. Can be application/json or text/xml</p> <p>Default value: application/json</p>
Accept	string	<p>Sets what format the response body is returned in. Can be application/json or application/xml</p> <p>Default value: application/json</p>
Cookie optional	string	<p>Sets an authorization token to access the PUT endpoint, can be used as an alternative to the Authorization</p> <p>Default value: token=&lt;token_value&gt;</p>
Authorization optional	string	<p>YWRtaW46cGFzc3dvcmQxMjM=] Basic authorization header to access the PUT endpoint, can be used as an alternative to the Cookie header</p> <p>Default value: Basic</p>

## Url Parameter

Field	Type	Description
id	Number	ID for the booking you want to update

## Request body

Field	Type	Description
firstname	String	Firstname for the guest who made the booking

Field	Type	Description
lastname	String	Lastname for the guest who made the booking
totalprice	Number	The total price for the booking
depositpaid	Boolean	Whether the deposit has been paid or not
checkin	Date	Date the guest is checking in
checkout	Date	Date the guest is checking out
additionalneeds	String	Any other needs the guest has

## Success 200

Field	Type	Description
firstname	String	Firstname for the guest who made the booking
lastname	String	Lastname for the guest who made the booking
totalprice	Number	The total price for the booking
depositpaid	Boolean	Whether the deposit has been paid or not
bookingdates	Object	Sub-object that contains the checkin and checkout dates
checkin	Date	Date the guest is checking in
checkout	Date	Date the guest is checking out

Field	Type	Description
additionalneeds	String	Any other needs the guest has

- JSON Response: [#success-examples-Booking-UpdateBooking-1\_0\_0-0]
- XML Response: [#success-examples-Booking-UpdateBooking-1\_0\_0-1]
- URL Response: [#success-examples-Booking-UpdateBooking-1\_0\_0-2]

HTTP/1.1 200 OK

```
{
  "firstname" : "James",
  "lastname" : "Brown",
  "totalprice" : 111,
  "depositpaid" : true,
  "bookingdates" : {
    "checkin" : "2018-01-01",
    "checkout" : "2019-01-01"
  },
  "additionalneeds" : "Breakfast"
}
```

HTTP/1.1 200 OK

```
<booking>
  <firstname>James</firstname>
  <lastname>Brown</lastname>
  <totalprice>111</totalprice>
  <depositpaid>true</depositpaid>
  <bookingdates>
    <checkin>2018-01-01</checkin>
    <checkout>2019-01-01</checkout>
  </bookingdates>
  <additionalneeds>Breakfast</additionalneeds>
</booking>
```

HTTP/1.1 200 OK

firstname=Jim&lastname=Brown&totalprice=111&depositpaid=true&bookingdates%5Bcheck

## Booking - PartialUpdateBooking

Updates a current booking with a partial payload

PATCH

<https://restful-booker.herokuapp.com/booking/:id>

- JSON example usage: [#examples-Booking-PartialUpdateBooking-1\_0\_0-0]
- XML example usage: [#examples-Booking-PartialUpdateBooking-1\_0\_0-1]
- URLEncoded example usage: [#examples-Booking-PartialUpdateBooking-1\_0\_0-2]

```
curl -X PUT \  
https://restful-booker.herokuapp.com/booking/1 \  
-H 'Content-Type: application/json' \  
-H 'Accept: application/json' \  
-H 'Cookie: token=abc123' \  
-d '{  
  "firstname" : "James",  
  "lastname" : "Brown"  
'
```

```
curl -X PUT \  
https://restful-booker.herokuapp.com/booking/1 \  
-H 'Content-Type: text/xml' \  
-H 'Accept: application/xml' \  
-H 'Authorization: Basic YWRtaW46cGFzc3dvcmQxMjM=' \  
-d '<booking>  
  <firstname>James</firstname>  
  <lastname>Brown</lastname>  
</booking>'
```

```
curl -X PUT \  
https://restful-booker.herokuapp.com/booking/1 \  
-H 'Content-Type: application/x-www-form-urlencoded' \  
-H 'Accept: application/x-www-form-urlencoded' \  

```

```
-H 'Authorization: Basic YWRtaW46cGFzc3dvcmQxMjM=' \
-d 'firstname=Jim&lastname=Brown'
```

## Header

Field	Type	Description
Content-Type	string	Sets the format of payload you are sending. Can be application/json or text/xml  Default value: application/json
Accept	string	Sets what format the response body is returned in. Can be application/json or application/xml  Default value: application/json
Cookie optional	string	Sets an authorization token to access the PUT endpoint, can be used as an alternative to the Authorization  Default value: token=<token_value>
Authorization optional	string	YWRtaW46cGFzc3dvcmQxMjM=] Basic authorization header to access the PUT endpoint, can be used as an alternative to the Cookie header  Default value: Basic

## Url Parameter

Field	Type	Description
id	Number	ID for the booking you want to update

## Request body

Field	Type	Description
firstname optional	String	Firstname for the guest who made the booking



Field		Type	Description
lastname	optional	String	Lastname for the guest who made the booking
totalprice	optional	Number	The total price for the booking
depositpaid	optional	Boolean	Whether the deposit has been paid or not
checkin	optional	Date	Date the guest is checking in
checkout	optional	Date	Date the guest is checking out
additionalneeds	optional	String	Any other needs the guest has

## Success 200

Field		Type	Description
firstname		String	Firstname for the guest who made the booking
lastname		String	Lastname for the guest who made the booking
totalprice		Number	The total price for the booking
depositpaid		Boolean	Whether the deposit has been paid or not
bookingdates		Object	Sub-object that contains the checkin and checkout dates
checkin		Date	Date the guest is checking in
checkout		Date	Date the guest is checking out

Field	Type	Description
additionalneeds	String	Any other needs the guest has

- JSON Response: [#success-examples-Booking-PartialUpdateBooking-1\_0\_0-0]
- XML Response: [#success-examples-Booking-PartialUpdateBooking-1\_0\_0-1]
- URL Response: [#success-examples-Booking-PartialUpdateBooking-1\_0\_0-2]

HTTP/1.1 200 OK

```
{
  "firstname" : "James",
  "lastname" : "Brown",
  "totalprice" : 111,
  "depositpaid" : true,
  "bookingdates" : {
    "checkin" : "2018-01-01",
    "checkout" : "2019-01-01"
  },
  "additionalneeds" : "Breakfast"
}
```

HTTP/1.1 200 OK

```
<booking>
  <firstname>James</firstname>
  <lastname>Brown</lastname>
  <totalprice>111</totalprice>
  <depositpaid>true</depositpaid>
  <bookingdates>
    <checkin>2018-01-01</checkin>
    <checkout>2019-01-01</checkout>
  </bookingdates>
  <additionalneeds>Breakfast</additionalneeds>
</booking>
```

HTTP/1.1 200 OK

firstname=Jim&lastname=Brown&totalprice=111&depositpaid=true&bookingdates%5Bcheck

## Booking - DeleteBooking

Deletes a booking from the API. Requires an authorization token to be set in the header or a Basic auth header.

### DELETE

<https://restful-booker.herokuapp.com/booking/1>

- Example 1 (Cookie): [#examples-Booking-DeleteBooking-1\_0\_0-0]
- Example 2 (Basic auth): [#examples-Booking-DeleteBooking-1\_0\_0-1]

```
curl -X DELETE \  
  https://restful-booker.herokuapp.com/booking/1 \  
  -H 'Content-Type: application/json' \  
  -H 'Cookie: token=abc123'
```

```
curl -X DELETE \  
  https://restful-booker.herokuapp.com/booking/1 \  
  -H 'Content-Type: application/json' \  
  -H 'Authorization: Basic YWRtaW46cGFzc3dvcmQxMjM='
```

### Header

Field	Type	Description
Cookie optional	string	Sets an authorization token to access the DELETE endpoint, can be used as an alternative to the Authorization  Default value: token=<token_value>
Authorization optional	string	YWRtaW46cGFzc3dvcmQxMjM=] Basic authorization header to access the DELETE endpoint, can be used as an alternative to the Cookie header  Default value: Basic

## Url Parameter

Field	Type	Description
id	Number	ID for the booking you want to update

## Success 200

Field	Type	Description
OK	String	Default HTTP 201 response

- Response: [#success-examples-Booking-DeleteBooking-1\_0\_0-0]

```
HTTP/1.1 201 Created
```

# Ping

## Ping - HealthCheck

A simple health check endpoint to confirm whether the API is up and running.

GET

```
https://restful-booker.herokuapp.com/ping
```

- Ping server: [#examples-Ping-Ping-1\_0\_0-0]

```
curl -i https://restful-booker.herokuapp.com/ping
```

## Success 200

Field	Type	Description
OK	String	Default HTTP 201 response

- Response: [#success-examples-Ping-Ping-1\_0\_0-0]

HTTP/1.1 201 Created

---

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