restful-booker

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

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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 - GetBookingIds

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=br
```

```
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%5Btota
```

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%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`
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	Basic authorization header to access the PUT endpoint, can be used as an alternative to the Cookie header Default value: `Basic YWRtaW46cGFzc3dvcmQxMjM=`

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 PATCH \
  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 PATCH \
  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 PATCH \
  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	Basic authorization header to access the PUT endpoint, can be used as an alternative to the Cookie header Default value: `Basic YWRtaW46cGFzc3dvcmQxMjM=`

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
lastname	optional	String	Lastname for the guest who made the booking

Field		Type	Description
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
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

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.

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	Basic authorization header to access the DELETE endpoint, can be used as an alternative to the Cookie header Default value: `Basic YWRtaW46cGFzc3dvcmQxMjM=`

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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