



## Room Booking System API

### Authentication

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#### API Operations

<b>Title</b>	Retrieve Authentication Token
<b>URL</b>	/auth/gettoken
<b>Method</b>	POST
<b>Headers</b>	<p><b>Required:</b> <i>Authorization:</i> Basic {base64_encoded_credentials}</p> <p>Notes: The variable base64_encoded_credentials must be a base64 encoded string of value "client_id:client_secret"</p> <p><i>Content-Type:</i> application/json</p>
<b>Data Params</b>	<p><b>Required:</b> <i>grant_type:</i> client_credentials</p> <p><u>example:</u> {   "grant_type": "client_credentials" }</p>
<b>Success</b>	<b>Code:</b> 200
<b>Errors</b>	<b>Code:</b> 400, 401

## Rooms

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### Object Schema

Title	Type	Notes
name	String	<b>required:</b> true, <b>unique:</b> true
capacity	Number	<b>min:</b> 1, <b>max:</b> 200
phone	Number	<b>min:</b> 10, <b>max:</b> 10
type	String	<b>enum:</b> ['office', 'boardroom']
email	String	<b>valid email</b>
location	String	
description	String	

### API Operations

<b>Title</b>	Retrieve All Rooms
<b>URL</b>	/rooms
<b>Method</b>	GET
<b>Headers</b>	<b>Required:</b> <i>Authorization:</i> Bearer {access_token}  Notes: You will need to generate an access_token from the authentication endpoint.  <i>Content-Type:</i> application/json
<b>URL Params</b>	<b>Optional:</b> <i>id:</i> [alphanumeric]  <u>example:</u> /rooms/123abc
<b>Success</b>	<b>Code:</b> 200
<b>Errors</b>	<b>Code:</b> 400, 401

## Bookings

### Object Schema

Title	Type	Notes
name	String	<b>required:</b> true
time_start	Date	<b>required:</b> true
time_end	Date	<b>required:</b> true
persons	Number	
room_id	String	<b>required:</b> true

### API Operations

<b>Title</b>	Retrieve All Bookings
<b>URL</b>	/bookings
<b>Method</b>	GET
<b>Headers</b>	<b>Required:</b> <i>Authorization:</i> Bearer {access_token}  Notes: You will need to generate an access_token from the authentication endpoint.  <i>Content-Type:</i> application/json
<b>URL Params</b>	<b>Optional:</b> <i>id:</i> [alphanumeric]  <u>example:</u> /rooms/123abc
<b>Success</b>	<b>Code:</b> 200
<b>Errors</b>	<b>Code:</b> 400, 401

<b>Title</b>	Create a Booking
<b>URL</b>	/bookings
<b>Method</b>	POST
<b>Headers</b>	<b>Required:</b> <i>Authorization:</i> Bearer {access_token}  Notes: You will need to generate an access_token from the authentication endpoint.  <i>Content-Type:</i> application/json
<b>Data Params</b>	<b>Required:</b>

	<p><i>name</i>: [alphanumeric]  <i>time_start</i>: [JS date]  <i>time_end</i>: [JS date]  <i>room_id</i>: [alphanumeric]</p> <p>Notes: You will need to provide a valid room_id and make sure that there are no conflicting timeslots.</p> <p><u>example</u>:</p> <pre>{   "name": "My Presentation",   "time_start": "2017-08-10",   "time_end": "2017-08-11",   "persons": "20",   "room_id": "5959ee34ae7dc3f426d0a3cc" }</pre>
<b>Success</b>	<b>Code:</b> 200
<b>Errors</b>	<b>Code:</b> 400, 401

<b>Title</b>	Update a Booking
<b>URL</b>	/bookings/:id
<b>Method</b>	PUT
<b>Headers</b>	<p><b>Required:</b>  <i>Authorization</i>: Bearer {access_token}</p> <p>Notes: You will need to generate an access_token from the authentication endpoint.</p> <p><i>Content-Type</i>: application/json</p>
<b>URL Params</b>	<p><b>Required:</b>  <i>id</i>: [alphanumeric]</p> <p><u>example</u>:  /rooms/123abc</p>
<b>Data Params</b>	<p><b>Optional:</b>  <i>name</i>: [alphanumeric]  <i>time_start</i>: [JS date]  <i>time_end</i>: [JS date]  <i>room_id</i>: [alphanumeric]</p> <p>Notes: You will need to provide a valid room_id and make sure that there are no conflicting timeslots.</p>

	<u>example:</u> <pre>{   "name": "My Presentation",   "time_start": "2017-08-10",   "time_end": "2017-08-11",   "persons": "20",   "room_id": "5959ee34ae7dc3f426d0a3cc" }</pre>
<b>Success</b>	<b>Code:</b> 200
<b>Errors</b>	<b>Code:</b> 400, 401

<b>Title</b>	Delete a Booking
<b>URL</b>	/bookings/:id
<b>Method</b>	DELETE
<b>Headers</b>	<b>Required:</b> <i>Authorization:</i> Bearer {access_token}  Notes: You will need to generate an access_token from the authentication endpoint.  <i>Content-Type:</i> application/json
<b>URL Params</b>	<b>Required:</b> <i>id:</i> [alphanumeric]  <u>example:</u> /rooms/123abc
<b>Success</b>	<b>Code:</b> 200
<b>Errors</b>	<b>Code:</b> 400, 401