**API Specification Doc**

**(Online Hotel Mangement *App*)**

## 

## 

## 

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## 

## 

## 

Methods

## 1. Registration

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/authentication/login |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST | auth\_key  {  “Username”:”String”,  “Email”:”string”,  “password”:”String”,  “Confirm password”:”string”  } | String  object |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **You are successfully loggedin.** |
| 400 | {"error":"You must provide an e-mail"} |
| 400 | {"error":"You must provide a username"} |
| 400 | {"error":"You must provide a password"} |
| 401 | {"error":"Username or e-mail already exists"} |
| 400 | {"error":"Email is not Found"} |
| 400 | {"error":"Password Invalid"} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 2. CheckUsername

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | api/authentication/login/checkusername/<username> |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| POST | {  Username:string,  Password:String  } | object |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 400 | {"error":"Username was not provided"} |
| 401 | {"error":"username is already taken"} |
| 400 | {"error":"Connection Error"} |
| 200 | {"Successfull":"username is available"} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 3.CheckuserEmail

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | api//authentication/login/checkusername/<Email> |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| POST | {  Username:string,  Password:String  } | object |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 400 | {"error":"Email was not provided"} |
| 401 | {"error":"Email is already taken"} |
| 400 | {"error":"Connection Error"} |
| 200 | {"Successfull":"Email is available"} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 

Glossary

## Conventions

* **Client** - Client application.
* **Status** - HTTP status code of response.
* All the possible responses are listed under ‘Responses’ for each method. Only one of them is issued per request server.
* All response are in JSON format.
* All request parameters are mandatory unless explicitly marked as [optional]
* The type of values accepted for a *request* parameter are shown the the values column like this [**10**|<any number>] .The | symbol means *OR*. If the parameter is [optional], the default value is shown in blue bold text, as **10** is written in [**10**|<any number>].

## Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

2XX - Success of some kind

4XX - Error occurred in client’s part

5XX - Error occurred in server’s part

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | OK |
| 201 | Created |
| 202 | Accepted (Request accepted, and queued for execution) |
| 400 | Bad request |
| 401 | Authentication failure |
| 403 | Forbidden |
| 404 | Resource not found |
| 405 | Method Not Allowed |
| 409 | Conflict |
| 412 | Precondition Failed |
| 413 | Request Entity Too Large |
| 500 | Internal Server Error |
| 501 | Not Implemented |
| 503 | Service Unavailable |