# HotelBooking

#### **Overview**

This is for hotel booking website. It can be first get login and register, then can also book, leave contact inforantion, search and leave feedback in main page. After that also able to check, delete and edit information by using id and email address. Admin can also login to check all information.

#### **Paths**

#### GET /api/loginUser Get userName from login page

Get userName from login page and able to show it in main page to say:Welcome back,username!

#### Responses

| Code | Description                                | Links    |
|------|--|----------|
| 200  | Good to get account information from user. | No Links |
|      | Content                                    |          |
|      | application/json                           |          |
|      | unique items                               |          |
|      | Minimum Items: 1                           |          |
|      | Examples                                   |          |
|      | example-1                                  |          |
|      | Example                                    |          |
|      | [{"username":"vincent","password":"123"}]  |          |
|      |  |          |

#### GET /api/login/{username}/{password}

#### GetLoginAndCheck

This is to help user to login hotel booking website. And also if username and password are from admin, then will go to another page.

#### **Parameters**

| Туре | Name                     | Description | Schema |
|------|--------------------------|-------------|--------|
| path | <b>password</b> required | password    | string |

| Type | Name                        | Description | Schema |
|------|-----------------------------|-------------|--------|
| path | <b>username</b><br>required | username    | string |

| Code | Description   |  |                    | Links    |
|------|---|--|--------------------|----------|
| 200  | Good to get us  | sername and password                               |                    | No Links |
|      | Content   |  |                    |          |
|      | application/j   |  |                    |          |
|      | Properties  |  |                    |          |
|      | Name  | Description  | Schema             |          |
|      | <. Name</td <th></th> <th></th> <td></td>               |  |                    |          |
|      | <. Description</td <th>on</th> <th></th> <td></td>      | on   |                    |          |
|      | <. Schema</td <th></th> <th></th> <td></td>             |  |                    |          |
|      | <. username</td <th>-</th> <th></th> <td></td>          | -  |                    |          |
|      | <. Minimum</td <td></td>                                |  |                    |          |
|      | <. string</td <td></td>                                 |  |                    |          |
|      | <. password</td <th>required</th> <th></th> <td></td>   | required   |                    |          |
|      | <. Minimum</td <th>n Length: 1</th> <th></th> <td></td> | n Length: 1  |                    |          |
|      | <. string</td <th></th> <th></th> <td></td>             |  |                    |          |
|      | object  |  |                    |          |
|      | loginCheck r  | equired  |                    |          |
|      | Examples  |  |                    |          |
|      | example-200   | -user  |                    |          |
|      | Example   |  |                    |          |
|      | {"login]  |  |                    |          |
|      | example-200 Example                                     | -admin   |                    |          |
|      |   | Information":{"username":"vincopginCheck":"admin"} | ent","password":"1 |          |
|      |   |  |                    |          |

| Code | Description                      |   |          | Links |  |
|------|----------------------------------|---|----------|-------|--|
| 404  | Not Found us                     | Not Found username and password.  |          |       |  |
|      | application/j                    | con   |          |       |  |
|      | Properties                       |   |          |       |  |
|      | Name                             | Description   | Schema   |       |  |
|      | loginInfo<br>rmation<br>required | unique items<br>Minimum Items: 1  | <> array |       |  |
|      | loginChe<br>ck<br>required       |   | boolean  |       |  |
|      | errorMes<br>sage<br>required     | Minimum Length: 1   | string   |       |  |
|      | example-404  Example             |   |          |       |  |
|      | }],"logi                         | <pre>Information":[{"username":"123' inCheck":false,"errorMessage":' rd is not correct!"}</pre> |          |       |  |

## $POST\ / \texttt{api/register}\ \textbf{GetRegisterUsernameAndPassword}$

This is help user to do registration.

| Code | Description                     |   |           | Links    |
|------|---------------------------------|---|-----------|----------|
| 200  | Register succe                  | essfully!                               |           | No Links |
|      | Content                         |   |           |          |
|      | application/j                   | son                                     |           |          |
|      | Properties                      |   |           |          |
|      | Name                            | Description                             | Schema    |          |
|      | usernam<br>e<br>optional        |   | string    |          |
|      | password optional               |   | string    |          |
|      | feedback<br>optional            | Default: true                           | boolean   |          |
|      | example-succe Example  {"userna | me":"vincent","password":"123","feedbad | ck":true} |          |

| Code | Description                   | Description                             |                     |          |  |
|------|-------------------------------|---|---------------------|----------|--|
| 400  | Bad request!                  |   |                     | No Links |  |
|      | Content                       |   |                     |          |  |
|      | application/j  Properties     | 5011                                    |                     |          |  |
|      | Name                          | Description                             | Schema              |          |  |
|      | usernam                       | Description                             | string              |          |  |
|      | e                             |   | String              |          |  |
|      | optional                      |   |                     |          |  |
|      | password optional             |   | string              |          |  |
|      | οριισπαι                      |   |                     |          |  |
|      | feedback optional             | Default: false                          | boolean             |          |  |
|      | example-sameUserName  Example |   |                     |          |  |
|      | {"userna<br>se}               | ame":"string","password":"str           | ing","feedback":fal |          |  |
| 404  | Need to put u                 | sername or password                     |                     | No Links |  |
|      | Content                       |   |                     |          |  |
|      | application/json              |   |                     |          |  |
|      | Properties                    |   |                     |          |  |
|      | Name                          | Description                             | Schema              |          |  |
|      | failMessa<br>ge<br>optional   |   | string              |          |  |
|      | example-404 Example           |   |                     |          |  |
|      | {"failMe                      | essage":"You need to put some<br>word"} | thing in username   |          |  |
|      | or passv                      | vord"}                                  |                     |          |  |

#### GET /api/getAll/booking GetAllBookingInformation

This will get all booking information from server side.

#### Responses

| Code | Description   | Links    |
|------|---|----------|
| 200  | OK  | No Links |
| 200  | Content  application/json  unique items  Minimum Items: 1  Examples  example-getInformation  Example  [{"id":1,"firstName":"vincent","secondName":"chao","pho     | No Links |
|      | neNumber":"07430052652","arriveDate":"13-02- 2020","totalNum":5,"emailAddress":"zhenhaozhao46@gmail. com","leaveDate":"18-02- 2020","childrenNum":0,"sign":true}] |          |

#### GET /api/check/booking/{id}/{emai}

#### CheckBookingByIdAndEmail

Check booking information by using id and email.

#### **Parameters**

| Type | Name                    | Description       | Schema |
|------|-------------------------|-------------------|--------|
| path | <b>id</b><br>required   | The booking id    | string |
| path | <b>emai</b><br>required | The booking email | string |

| Code | Description                  |                   |         | Links    |  |  |
|------|------------------------------|-------------------|---------|----------|--|--|
| 00   | OK                           |                   |         | No Links |  |  |
|      | Content                      |                   |         |          |  |  |
|      | application/j                | son               |         |          |  |  |
|      | Properties                   |                   |         |          |  |  |
|      | Name                         | Description       | Schema  |          |  |  |
|      | id<br>required               |                   | number  |          |  |  |
|      | firstNam<br>e<br>required    | Minimum Length: 1 | string  |          |  |  |
|      | secondN<br>ame<br>required   | Minimum Length: 1 | string  |          |  |  |
|      | phoneNu<br>mber<br>required  | Minimum Length: 1 | string  |          |  |  |
|      | arriveDat<br>e<br>required   | Minimum Length: 1 | string  |          |  |  |
|      | totalNum<br>required         |                   | number  |          |  |  |
|      | emailAdd<br>ress<br>required | Minimum Length: 1 | string  |          |  |  |
|      | leaveDat<br>e<br>required    | Minimum Length: 1 | string  |          |  |  |
|      | children<br>Num<br>required  |                   | number  |          |  |  |
|      | sign<br>required             |                   | boolean |          |  |  |
|      | example-200                  |                   |         |          |  |  |

| Code | Description                 |                                |                | Links    |
|------|-----------------------------|--------------------------------|----------------|----------|
| 404  | Not Found                   |                                |                | No Links |
|      | Content                     |                                |                |          |
|      | application/json Properties |                                |                |          |
|      |                             |                                |                |          |
|      | Name                        | Description                    | Schema         |          |
|      | fail required               | Minimum Length: 1              | string         |          |
|      | sign<br>required            |                                | boolean        |          |
|      | example-404  Example        |                                |                |          |
|      | {"fail"                     | :"Wrong booking ID","sign":fal | se}            |          |
|      | example-404                 |                                |                |          |
|      | Example                     |                                |                |          |
|      | {"fail"                     | :"Wrong booking email address" | ,"sign":false} |          |

### GET /api/getOne/booking/{id} GetOneBookingByID

Get one of the booking information by using id.

#### **Parameters**

| Туре | Name                  | Description    | Schema |
|------|-----------------------|----------------|--------|
| path | <b>id</b><br>required | The booking id | string |

| Code | De        | scription                    |                   |         | Links    |  |
|------|-----------|------------------------------|-------------------|---------|----------|--|
| 200  | OK<br>Cor | ntent                        |                   |         | No Links |  |
|      |           | plication/js                 | son               |         |          |  |
|      |           | Properties Properties        |                   |         |          |  |
|      |           | Name                         | Description       | Schema  |          |  |
|      |           | id<br>required               | _                 | number  |          |  |
|      |           | firstNam<br>e<br>required    | Minimum Length: 1 | string  |          |  |
|      |           | secondN<br>ame<br>required   | Minimum Length: 1 | string  |          |  |
|      |           | phoneNu<br>mber<br>required  | Minimum Length: 1 | string  |          |  |
|      |           | arriveDat<br>e<br>required   | Minimum Length: 1 | string  |          |  |
|      |           | totalNum<br>required         |                   | number  |          |  |
|      |           | emailAdd<br>ress<br>required | Minimum Length: 1 | string  |          |  |
|      |           | leaveDat<br>e<br>required    | Minimum Length: 1 | string  |          |  |
|      |           | children<br>Num<br>required  |                   | number  |          |  |
|      |           | sign<br>required             |                   | boolean |          |  |
|      | ex        | ample-200                    |                   |         |          |  |
|      |           |                              |                   |         |          |  |

| Code | Descrij                  | ption      |                               |         | Links    |
|------|--------------------------|------------|-------------------------------|---------|----------|
| 404  | Not Found                |            |                               |         | No Links |
|      | Content<br>applica       |            | son                           |         |          |
|      |                          | erties     |                               |         |          |
|      | Nar                      | me         | Description                   | Schema  |          |
|      | fail<br>requ             | uired      | Minimum Length: 1             | string  |          |
|      | sigr<br>requ             | n<br>uired |                               | boolean |          |
|      | <b>examp</b> <i>Exar</i> |            |                               |         |          |
|      | {"fa                     | fail"      | "Wrong booking ID","sign":fal | .se}    |          |

## POST /api/booking PostNewBooking

Post new booking information.

| Code | Description                  |                   |         | Links    |
|------|------------------------------|-------------------|---------|----------|
| 00   | OK                           |                   |         | No Links |
|      | Content                      |                   |         |          |
|      | application/j                | son               |         |          |
|      | Properties                   |                   |         |          |
|      | Name                         | Description       | Schema  |          |
|      | id<br>required               |                   | number  |          |
|      | firstNam<br>e<br>required    | Minimum Length: 1 | string  |          |
|      | secondN<br>ame<br>required   | Minimum Length: 1 | string  |          |
|      | phoneNu<br>mber<br>required  | Minimum Length: 1 | string  |          |
|      | arriveDat<br>e<br>required   | Minimum Length: 1 | string  |          |
|      | totalNum<br>required         |                   | number  |          |
|      | emailAdd<br>ress<br>required | Minimum Length: 1 | string  |          |
|      | leaveDat<br>e<br>required    | Minimum Length: 1 | string  |          |
|      | children<br>Num<br>required  |                   | number  |          |
|      | sign<br>required             |                   | boolean |          |
|      | example-200                  |                   |         |          |

#### PUT /api/update/booking/{id} UpdateNewBooking

Example
Update new booking form by using id.

{"id":2,"firstName":"firstName","secondName":"secondNam

Parameters e","phoneNumber":"07430052652","arriveDate":"12-10-

| Type | Name                  | Description    | Schema |
|------|-----------------------|----------------|--------|
| path | <b>id</b><br>required | The booking id | string |

| de D | escription                   |                   |         | Links    |
|------|------------------------------|-------------------|---------|----------|
| 0    |                              |                   |         | No Links |
|      | ontent                       |                   |         |          |
| aj   | pplication/js                | son               |         |          |
|      | Properties                   |                   |         |          |
|      | Name                         | Description       | Schema  |          |
|      | id<br>required               |                   | number  |          |
|      | firstNam<br>e<br>required    | Minimum Length: 1 | string  |          |
|      | secondN<br>ame<br>required   | Minimum Length: 1 | string  |          |
|      | phoneNu<br>mber<br>required  | Minimum Length: 1 | string  |          |
|      | arriveDat<br>e<br>required   | Minimum Length: 1 | string  |          |
|      | totalNum<br>required         | Minimum Length: 1 | string  |          |
|      | emailAdd<br>ress<br>required | Minimum Length: 1 | string  |          |
|      | leaveDat<br>e<br>required    | Minimum Length: 1 | string  |          |
|      | children<br>Num<br>required  | Minimum Length: 1 | string  |          |
|      | sign<br>required             |                   | boolean |          |
| ex   | xample-200                   |                   |         |          |

| Code | Description          |                                 |         | Links    |
|------|----------------------|---------------------------------|---------|----------|
| 404  | Not Found            |                                 |         | No Links |
|      | Content              |                                 |         |          |
|      | application/j        |                                 |         |          |
|      | Properties           |                                 |         |          |
|      | Name                 | Description                     | Schema  |          |
|      | fail required        | Minimum Length: 1               | string  |          |
|      | sign<br>required     |                                 | boolean |          |
|      | example-404  Example | <u> </u>                        |         |          |
|      | {"fail"              | :"Wrong booking ID","sign":fals | se}     |          |

### DELETE /api/delete/booking/{id}/{email}

### DeleteBookingByID

Delete booking information according to id and email.

#### **Parameters**

| Type | Name                  | Description   | Schema |
|------|-----------------------|---------------|--------|
| path | <b>id</b><br>required | booking id    | string |
| path | email<br>required     | booking email | string |

| Code | Description   |                   |          | Links    |
|------|---|-------------------|----------|----------|
| 200  | OK  Content  application/j  Properties              |                   | No Links |          |
|      | Name  | Description       | Schema   |          |
|      | sign<br>required                                    | •                 | boolean  |          |
|      | example-200 Example                                 |                   |          |          |
|      | {"sign":true}                                       |                   |          |          |
| 404  | Not Found   |                   |          | No Links |
|      | Content   |                   |          |          |
|      | application/json                                    |                   |          |          |
|      | Properties  |                   |          |          |
|      | Name  | Description       | Schema   |          |
|      | fail<br>required                                    | Minimum Length: 1 | string   |          |
|      | sign<br>required                                    |                   | boolean  |          |
|      | example-404 Example                                 |                   |          |          |
|      | {"fail"   |                   |          |          |
|      | example-404 Example                                 |                   |          |          |
|      | {"fail":"Wrong booking email address","sign":false} |                   |          |          |

### GET /api/getAll/feedback GetAllFeedback

Get all feedback in admin page.

#### Responses

| Code | Description   | Links    |
|------|---|----------|
| 200  | OK  | No Links |
|      | Content   |          |
|      | application/json  |          |
|      | unique items  |          |
|      | Minimum Items: 1  |          |
|      | Examples  |          |
|      | example-1   |          |
|      | Example   |          |
|      | [{"id":1,"name":"Vincent","email":"zhenhaozhao46@gmail. com","feedback":"Thanks for your help!","sign":true}] |          |

### GET /api/getOne/feedback/{id} GetOneFeedbackByID

Get one feedback by using id.

#### **Parameters**

| Туре | Name                  | Description | Schema |
|------|-----------------------|-------------|--------|
| path | <b>id</b><br>required | feedback id | string |

| Code | Des | scription            |  |         | Links    |
|------|-----|----------------------|--|---------|----------|
| 200  | OK  |                      |  |         | No Links |
|      | Cor | ıtent                |  |         |          |
|      | apj | plication/j          |  |         |          |
|      | -   | Properties           |  |         |          |
|      |     | Name                 | Description  | Schema  |          |
|      |     | id<br>required       |  | number  |          |
|      |     | name<br>required     | Minimum Length: 1  | string  |          |
|      |     | email<br>required    | Minimum Length: 1  | string  |          |
|      |     | feedback<br>required | Minimum Length: 1  | string  |          |
|      |     | sign<br>required     |  | boolean |          |
|      | exa | ample-200            |  |         |          |
|      |     | Example              |  |         |          |
|      |     |                      | "name":"Vincent","email":"zhenhadedback":"Thanks for your help!"," |         |          |

| Code | Description                   |                                 |         | Links    |
|------|-------------------------------|---------------------------------|---------|----------|
| 404  | Not Found                     |                                 |         | No Links |
|      | Content application/          | ison                            |         |          |
|      | Properties                    |                                 |         |          |
|      | Name                          | Description                     | Schema  |          |
|      | fail required                 | Minimum Length: 1               | string  |          |
|      | sign<br>required              |                                 | boolean |          |
|      | example-404  Example  {"fail" | :"Wrong feedback ID","sign":fal | Lse}    |          |

### GET /api/check/feedback/{id}/{email} GetOneFeedback

Get one feedback information by id and email

#### **Parameters**

| Туре | Name                     | Description    | Schema |
|------|--------------------------|----------------|--------|
| path | <b>id</b><br>required    | feedback id    | string |
| path | <b>email</b><br>required | feedback email | string |

| le | Description         |  |         | Links    |
|----|---------------------|--|---------|----------|
|    | OK                  |  |         | No Links |
|    | Content             |  |         |          |
|    | application         | n/json   |         |          |
|    | Properti            |  |         |          |
|    | Name                | Description  | Schema  |          |
|    | id<br>required      | d  | number  |          |
|    | name<br>require     | Minimum Length: 1  | string  |          |
|    | email<br>require    | Minimum Length: 1  | string  |          |
|    | feedbac<br>required |  | string  |          |
|    | sign<br>require     | d  | boolean |          |
| e  | example-2           |  |         |          |
|    |                     | :1,"name":"Vincent","email":"zhe<br>feedback":"Thanks for your help! | _       |          |

| Code | Description          |                                |                 | Links    |  |  |
|------|----------------------|--------------------------------|-----------------|----------|--|--|
| 404  | Not Found  Content   |                                |                 | No Links |  |  |
|      | application/j        | ison                           |                 |          |  |  |
|      | Properties           |                                |                 |          |  |  |
|      | Name                 | Description                    | Schema          |          |  |  |
|      | fail required        | Minimum Length: 1              | string          |          |  |  |
|      | sign<br>required     |                                | boolean         |          |  |  |
|      | example-404  Example |                                |                 |          |  |  |
|      | {"fail"              |                                |                 |          |  |  |
|      | example-404          |                                |                 |          |  |  |
|      | Example              |                                |                 |          |  |  |
|      | {"fail"              | :"Wrong feedback email address | ","sign":false} |          |  |  |

### POST /api/feedback PostNewFeedback

Post new feedback

| Code | Descript         | ion   |                           | Links |
|------|------------------|---|---------------------------|-------|
| 200  | OK               |   | No Links                  |       |
|      | Content          |   |                           |       |
|      | applicat         | ion/json  |                           |       |
|      | Propei           | rties   |                           |       |
|      | Name             | e Description   | Schema                    |       |
|      | id<br>requi      | red   | number                    |       |
|      | name<br>requi    | O   | string                    |       |
|      | email<br>requi   | O   | string                    |       |
|      | feedb<br>requi   |   | string                    |       |
|      | sign<br>requi    | red   | boolean                   |       |
|      | example<br>Examp |   |                           |       |
|      | {"i              | d":3,"name":"vincent","emai<br>ack":"thanks","sign":true} | l":"767008980@qq.com","fe |       |

### PUT /api/update/feedback/{id} UpdateFeedback

Update feedback

#### **Parameters**

| Type | Name                  | Description | Schema |
|------|-----------------------|-------------|--------|
| path | <b>id</b><br>required | feedback id | string |

| Code | Description          |   |                     | Links    |
|------|----------------------|---|---------------------|----------|
| 00   | OK                   |   |                     | No Links |
|      | Content              |   |                     |          |
|      | application/j        | application/json  |                     |          |
|      | Properties           |   |                     |          |
|      | Name                 | Description   | Schema              |          |
|      | id<br>required       |   | number              |          |
|      | name<br>required     | Minimum Length: 1   | string              |          |
|      | email required       | Minimum Length: 1   | string              |          |
|      | feedback<br>required | Minimum Length: 1   | string              |          |
|      | sign<br>required     |   | boolean             |          |
|      | example-1 Example    |   |                     |          |
|      |                      | "name":"Vincent","email":"76<br>"thank you!","sign":true} | 7008980@qq.com","fe |          |

| Code | Description                   |                                 |         | Links    |
|------|-------------------------------|---------------------------------|---------|----------|
| 404  | Not Found                     |                                 |         | No Links |
|      | Content  application/j        |                                 |         |          |
|      | Properties                    | SOII                            |         |          |
|      | Name                          | Description                     | Schema  |          |
|      | fail<br>required              | Minimum Length: 1               | string  |          |
|      | sign<br>required              |                                 | boolean |          |
|      | example-404  Example  {"fail" | :"Wrong feedback ID","sign":fal | se}     |          |

## DELETE /api/delete/feedback/{id}/{email}

Delete feedback from user

#### **Parameters**

| Туре | Name                     | Description    | Schema |
|------|--------------------------|----------------|--------|
| path | <b>id</b><br>required    | feedback id    | number |
| path | <b>email</b><br>required | feedback email | string |

| 200 | OK  |                                   |         |          |
|-----|---|-----------------------------------|---------|----------|
|     | OK  Content  application/json  Properties |                                   |         | No Links |
|     | Name                                      | Description                       | Schema  |          |
|     | sign<br>required                          |                                   | boolean |          |
|     | example-200 Example                       |                                   |         |          |
|     | {"sign":true}                             |                                   |         |          |
| 404 | Not Found                                 |                                   |         | No Links |
|     | Content                                   |                                   |         |          |
|     | application/json                          |                                   |         |          |
|     | Properties                                |                                   |         |          |
|     | Name                                      | Description                       | Schema  |          |
|     | fail<br>required                          | Minimum Length: 1                 | string  |          |
|     | sign<br>required                          |                                   | boolean |          |
|     | example-404-wrongEmail  Example           |                                   |         |          |
|     | {"fail":                                  |                                   |         |          |
|     | example-404  Example                      | -wrongID                          |         |          |
|     | {"fail":                                  | "Wrong feedback ID","sign":false} |         |          |

### GET /api/getAll/contact GetAllContact

Get all contact information

#### Responses

| Code | Description  | Links      |
|------|--|------------|
| 200  | ОК   | No Links   |
| 200  | Content  application/json  unique items  Minimum Items: 1  Examples  example-1  Example  [{"id":1,"contactName":"Vincent","contactEmail":"zhenha                 | IVO EITIKO |
|      | [{"id":1,"contactName":"Vincent","contactEmail":"zhenha ozhao46@gmail.com","contactSubject":"Safety","contactIn formation":"Is this a safe place?","sign":true}] |            |

### GET /api/getOne/contact/{id} GetContactByID

Get contact by id

#### **Parameters**

| Type | Name                  | Description | Schema |
|------|-----------------------|-------------|--------|
| path | <b>id</b><br>required | contact id  | number |

| Code | De  | scription                              |   |                    | Links    |
|------|-----|--|---|--------------------|----------|
| 200  | OK  |  |   |                    | No Links |
|      | Coi | ntent                                  |   |                    |          |
|      | ap  | plication/j                            |   |                    |          |
|      |     | Properties                             |   |                    |          |
|      |     | Name                                   | Description   | Schema             |          |
|      |     | id<br>required                         |   | number             |          |
|      |     | contactN<br>ame<br>required            | Minimum Length: 1   | string             |          |
|      |     | contactE<br>mail<br>required           | Minimum Length: 1   | string             |          |
|      |     | contactS<br>ubject<br>required         | Minimum Length: 1   | string             |          |
|      |     | contactIn<br>formatio<br>n<br>required | Minimum Length: 1   | string             |          |
|      |     | sign<br>required                       |   | boolean            |          |
|      |     | <b>ample-200</b><br>Example            |   |                    |          |
|      |     | zhao46@g                               | "contactName":"Vincent","contagnail.com","contactSubject":"Sagnail.com","contactSubject":"Sagnail.com","sig | afety","contactInf |          |

| Code | Description          |                                 |         | Links    |
|------|----------------------|---------------------------------|---------|----------|
| 404  | Not Found            |                                 |         | No Links |
|      | Content              |                                 |         |          |
|      | application/j        |                                 |         |          |
|      | Properties           |                                 |         |          |
|      | Name                 | Description                     | Schema  |          |
|      | fail required        | Minimum Length: 1               | string  |          |
|      | sign<br>required     |                                 | boolean |          |
|      | example-404  Example | ļ.                              |         |          |
|      | {"fail"              | :"Wrong contact ID","sign":fals | se}     |          |

### GET /api/check/contact/{id}/{email}

### ${\bf GetContactBy IdAnd Email}$

Get contact by id and email address.

#### **Parameters**

| Type | Name                  | Description   | Schema |
|------|-----------------------|---------------|--------|
| path | <b>id</b><br>required | contact id    | number |
| path | email<br>required     | contact email | string |

| Code | De  | scription                              |   |                 | Links    |
|------|-----|--|---|-----------------|----------|
| 200  | OK  |  |   |                 | No Links |
|      | Coi | ntent                                  |   |                 |          |
|      | ap  | plication/js                           |   |                 |          |
|      |     | Properties                             |   |                 |          |
|      |     | Name                                   | Description   | Schema          |          |
|      |     | id<br>required                         |   | number          |          |
|      |     | contactN<br>ame<br>required            | Minimum Length: 1   | string          |          |
|      |     | contactE<br>mail<br>required           | Minimum Length: 1   | string          |          |
|      |     | contactS<br>ubject<br>required         | Minimum Length: 1   | string          |          |
|      |     | contactIn<br>formatio<br>n<br>required | Minimum Length: 1   | string          |          |
|      |     | sign<br>required                       |   | boolean         |          |
|      |     | ample-200                              |   |                 |          |
|      |     | Example                                |   |                 |          |
|      |     | zhao46@g                               | <pre>"contactName":"Vincent","contact mail.com","contactSubject":"Safe ":"Is this a safe place?","sign"</pre> | ty","contactInf |          |
|      |     |  |   |                 |          |

| Code | Description          |                                |                | Links    |
|------|----------------------|--------------------------------|----------------|----------|
| 404  | Not Found            |                                |                | No Links |
|      | Content              |                                |                |          |
|      | application/         | json                           |                |          |
|      | Properties           |                                |                |          |
|      | Name                 | Description                    | Schema         |          |
|      | fail required        | Minimum Length: 1              | string         |          |
|      | sign<br>required     |                                | boolean        |          |
|      | example-404  Example | l-WrongID                      |                |          |
|      | {"fail"              | :"Wrong contact ID","sign":fal | se}            |          |
|      | example-404          | l-wrongEmail                   |                |          |
|      | Example              |                                |                |          |
|      | {"fail"              | :"Wrong contact email address" | ,"sign":false} |          |

### POST /api/contact PosNewContact

Post new contact from user

| ode | Description                            | l  |         | Links    |  |  |
|-----|--|--|---------|----------|--|--|
| 00  | OK                                     |  |         | No Links |  |  |
|     | Content                                |  |         |          |  |  |
|     |  | pplication/json  Properties  |         |          |  |  |
|     | Name                                   | Description  | Schema  |          |  |  |
|     | id<br>required                         |  | number  |          |  |  |
|     | contactN<br>ame<br>required            |  | string  |          |  |  |
|     | contactE<br>mail<br>required           |  | string  |          |  |  |
|     | contactS<br>ubject<br>required         |  | string  |          |  |  |
|     | contactI<br>formation<br>n<br>required |  | string  |          |  |  |
|     | sign<br>required                       |  | boolean |          |  |  |
|     | example-1                              |  |         |          |  |  |
|     | Example                                |  |         |          |  |  |
|     | 80@qq.                                 | 7,"contactName":"vincent","conta<br>com","contactSubject":"safe","co<br>"sign":true} |         |          |  |  |

### PUT /api/update/contact/{id} UpdateContactByID

Update contact by using id.

Parameters

| Type | Name                  | Description | Schema |
|------|-----------------------|-------------|--------|
| path | <b>id</b><br>required | contact id  | number |

| Code | Description                            |   |         | Links    |
|------|--|---|---------|----------|
| 200  | OK                                     |   |         | No Links |
|      | Content                                |   |         |          |
|      | application                            |   |         |          |
|      | Propertie                              | Properties  |         |          |
|      | Name                                   | Description   | Schema  |          |
|      | id<br>required                         |   | number  |          |
|      | contactN<br>ame<br>required            |   | string  |          |
|      | contactE<br>mail<br>required           | <u> </u>  | string  |          |
|      | contactS<br>ubject<br>required         | <u> </u>  | string  |          |
|      | contactI<br>formation<br>n<br>required |   | string  |          |
|      | sign<br>required                       |   | boolean |          |
|      | example-20                             | 0   |         |          |
|      | 80@qq.                                 | 1,"contactName":"vincent","contactEm<br>com","contactSubject":"house","conta<br>ase","sign":true} |         |          |
|      |  |   |         |          |

| Code | Description                        |                                   |         | Links |
|------|------------------------------------|-----------------------------------|---------|-------|
| 404  | Not Found                          | No Links                          |         |       |
|      | Content  application/j  Properties | son                               |         |       |
|      | Name                               |                                   |         |       |
|      | fail required                      | Minimum Length: 1                 | string  |       |
|      | sign<br>required                   |                                   | boolean |       |
|      | example-404  Example  {"fail"      | :"Wrong contact ID","sign":false} | -       |       |

| Description                            |   |         | Links    |
|--|---|---------|----------|
| OK                                     |   |         | No Links |
| Content                                |   |         |          |
| application/j                          | son   |         |          |
| Properties                             |   |         |          |
| Name                                   | Description   | Schema  |          |
| id<br>required                         |   | number  |          |
| contactN<br>ame<br>required            | Minimum Length: 1   | string  |          |
| contactE<br>mail<br>required           | Minimum Length: 1   | string  |          |
| contactS<br>ubject<br>required         | Minimum Length: 1   | string  |          |
| contactIn<br>formatio<br>n<br>required | Minimum Length: 1   | string  |          |
| sign<br>required                       |   | boolean |          |
| example-200                            |   |         |          |
| Example                                |   |         |          |
| 80@qq.co                               | ,"contactName":"vincent","conta<br>om","contactSubject":"house","<br>se","sign":true} |         |          |

### DELETE /api/delete/contact/{id}/{email} DeleteContact

Delete contact by using id and contact email.

**Parameters** 

| Туре | Name                     | Description   | Schema |
|------|--------------------------|---------------|--------|
| path | <b>id</b><br>required    | contact id    | number |
| path | <b>email</b><br>required | contact email | string |

| Code | Description           |             |         | Links |  |
|------|-----------------------|-------------|---------|-------|--|
| 200  | OK                    | OK          |         |       |  |
|      | Content application/j |             |         |       |  |
|      | Properties            |             |         |       |  |
|      | Name                  | Description | Schema  |       |  |
|      | sign<br>required      |             | boolean |       |  |
|      | example-200           |             |         |       |  |
|      | {"sign"               | :true}      |         |       |  |

| Code | Description          |                                |                | Links    |
|------|----------------------|--------------------------------|----------------|----------|
| 404  | Not Found  Content   |                                |                | No Links |
|      | application/         | ison                           |                |          |
|      | Properties           |                                |                |          |
|      | Name                 | Description                    | Schema         |          |
|      | fail required        | Minimum Length: 1              | string         |          |
|      | sign<br>required     |                                | boolean        |          |
|      | example-404  Example | l-wrongEmail                   |                |          |
|      | {"fail"              | :"Wrong contact email address" | ,"sign":false} |          |
|      | example-404 Example  | example-404-wrongID  Example   |                |          |
|      | {"fail"              | :"Wrong contact ID","sign":fal | se}            |          |

# GET /api/getAll/search GetSearch

Get search information

| Code | Description  | Links    |
|------|--|----------|
| 200  | OK   | No Links |
|      | Content  |          |
|      | application/json   |          |
|      | unique items   |          |
|      | Minimum Items: 1   |          |
|      | Examples   |          |
|      | example-1  |          |
|      | Example  |          |
|      | [{"id":1,"destination":"London","checkInDate":"10-09-2021","checkOutDate":"14-09-2021","adults":4,"children":2,"sign":true}] |          |

### GET /api/getOne/search/{id} GetSearchByID

Get one search by id.

#### **Parameters**

| Type | Name                  | Description | Schema |
|------|-----------------------|-------------|--------|
| path | <b>id</b><br>required | search id   | string |

| Code | Description      |                              |   |          | Links |
|------|------------------|------------------------------|---|----------|-------|
| 200  | OK               |                              |   | No Links |       |
|      | Content          |                              |   |          |       |
|      | application/json |                              |   |          |       |
|      |                  | Properties                   |   |          |       |
|      |                  | Name                         | Description   | Schema   |       |
|      |                  | id<br>required               |   | number   |       |
|      |                  | destinati<br>on<br>required  | Minimum Length: 1   | string   |       |
|      |                  | checkInD<br>ate<br>required  | Minimum Length: 1   | string   |       |
|      |                  | checkOut<br>Date<br>required | Minimum Length: 1   | string   |       |
|      |                  | adults required              |   | number   |       |
|      |                  | children required            |   | number   |       |
|      |                  | sign<br>required             |   | boolean  |       |
|      |                  | ample-1 Example              |   |          |       |
|      |                  | {"id":1,<br>2021","c         | "destination":"London","checkInDate":"1<br>heckOutDate":"14-09-<br>dults":4,"children":2,"sign":true} | 0-09-    |       |

| Code | Description         |                   |         | Links    |
|------|---------------------|-------------------|---------|----------|
| 404  | Not Found           |                   |         | No Links |
|      | Content             |                   |         |          |
|      | application/        |                   |         |          |
|      | Properties          |                   |         |          |
|      | Name                | Description       | Schema  |          |
|      | fail required       | Minimum Length: 1 | string  |          |
|      | sign<br>required    |                   | boolean |          |
|      | example-404 Example |                   |         |          |
|      | {"fail"             |                   |         |          |

## POST /api/search PostNewSearch

Post new search from user.

| Code | Des              | Description                  |   |          | Links |
|------|------------------|------------------------------|---|----------|-------|
| 200  | OK               |                              |   | No Links |       |
|      | Content          |                              |   |          |       |
|      | application/json |                              |   |          |       |
|      | I                | Properties                   |   |          |       |
|      |                  | Name                         | Description   | Schema   |       |
|      |                  | id<br>required               |   | number   |       |
|      |                  | destinati<br>on<br>required  | Minimum Length: 1   | string   |       |
|      |                  | checkInD<br>ate<br>required  | Minimum Length: 1   | string   |       |
|      |                  | checkOut<br>Date<br>required | Minimum Length: 1   | string   |       |
|      |                  | adults<br>required           |   | number   |       |
|      |                  | children<br>required         |   | number   |       |
|      |                  | sign<br>required             |   | boolean  |       |
|      |                  | <b>mple-200</b><br>Example   |   |          |       |
|      |                  | 10-2021"                     | <pre>"destination":"Single room","checkInDat ,"checkOutDate":"11-10- dults":5,"children":3,"sign":true}</pre> | e":"10-  |       |

### GET /api/connect CheckConncection

Check the connection with server.

| Code | Description       |             |         | Links |
|------|-------------------|-------------|---------|-------|
| 200  | OK                | No Links    |         |       |
|      | Content           |             |         |       |
|      | application/      |             |         |       |
|      | Properties        |             |         |       |
|      | Name              | Description | Schema  |       |
|      | check<br>required |             | boolean |       |
|      | example-200       |             |         |       |
|      | {"check           |             |         |       |

# **Components**