**Service1:** [**Create**](https://wiki.nge.wdig.com/display/NGE/Remove+Guest+Block) **Guest**

The service will create a new Guest.

|  |  |
| --- | --- |
| **Path** | /guest/createguest**/** |
| **HTTP Method** | POST |
| **Response Format** | Json |
| **Requires Authentication** | false |

## Request

#### Guest Body Parameters

| **Parameter** | **Required/Optional** | **Description** |
| --- | --- | --- |
| {guest\_email} | Required | Guest E-Mail ID |
| {guest\_pwd} | Required | Guest Pwd |
| {guest\_first\_name} | Required | Guest FirstName |
| {guest\_last\_name} | Required | GuestLast Name |
| {guest\_phone\_number} | Required | Guest PhoneNumber |
| {guest\_address} | Optional | Guest address |

**Sample Request Body**

POST /guest/createguest/ HTTP/1.1

Accept: application/json

{

    "guest\_email": "test@test.com",

    "guest\_pwd": "test123",

“guest\_first\_name”: “test”,

“guest\_last\_name”:”testlastname”,

“guest\_phone\_no”: “1111111111”,

“guest\_address”: “address123”

}

**Request Headers**

| **Header** | **R/O** | **Description** | **Supported Values** | **Example** |
| --- | --- | --- | --- | --- |
| Accept | Required | Describes content type. | application/json | Accept: application/json |
| Content-type | Required | Describes content type of the request  payload. | multipart/mixed | Content-Type:  multipart/mixed;boundry=SimpleBoundry |

## Response

#### Results

**Response Status Codes**

| **Status Code** | **Description** |
| --- | --- |
| 201 | CREATED, Guest added successfully |
| 403 | User is not valid, User already exists |
| 500 | Server error |

**Response Headers**

| **Header** | **Description** | **Example** |
| --- | --- | --- |
| Content-Type | Specifies the format of the response. | Content-Type: application/json; charset=utf-8 |

**Response Body**

| **Body** | **Description** | **Example** |
| --- | --- | --- |
| guest\_ID | Guest ID for a particular Guest | 12345 |
| Firstname | Guest first name | John |
| Lastname | Guest last name | Doe |

**Sample Response Body:**

HTTP/1.1 201 CREATED

Content-Type: application/json; charset=utf-8

"GuestProfile":{

" guest\_ID":"1234",

"firstname":"John",

"lastname":"Doe"

}

**Service2: Validate Guest**

The service will get the guest details for a particular Guest after validating username and password.

|  |  |
| --- | --- |
| **Path** | /guest/validateguest**/** |
| **HTTP Method** | GET |
| **Response Format** | Json |

## Request

#### Guest Body Parameters

| **Parameter** | **Required/Optional** | **Description** |
| --- | --- | --- |
| {guest\_email} | Required | Guest E-Mail ID |
| {guest\_pwd} | Required | Guest Pwd |

GET /guest/fetchguest/ HTTP/1.1

Accept: application/json

{

    "guest\_email": "test@test.com",

    "guest\_pwd": "test123",

}

**Request Headers**

| **Header** | **R/O** | **Description** | **Supported Values** | **Example** |
| --- | --- | --- | --- | --- |
| Accept | Required | Describes content type. | application/json | Accept: application/json |
| Content-type | Required | Describes content type of the request  payload. | multipart/mixed | Content-Type:  multipart/mixed;boundry=SimpleBoundry |

## Response

#### Results

**Response Status Codes**

| **Status Code** | **Description** |
| --- | --- |
| 200 | OK. |
| 403 | User is not valid |
| 500 | Server error |

**Response Headers**

| **Header** | **Description** | **Example** |
| --- | --- | --- |
| Content-Type | Specifies the format of the response. | Content-Type: application/json; charset=utf-8 |

**Response Body**

| **Body** | **Description** | **Example** |
| --- | --- | --- |
| guest\_ID | Guest ID for a particular Guest | 12345 |
| Firstname | Guest first name | John |
| Lastname | Guest last name | Doe |

**Sample Response Body:**

HTTP/1.1 200 OK

Content-Type: application/json; charset=utf-8

"GuestProfile":{

" guest\_ID":"1234",

"firstname":"John",

"lastname":"Doe"

}

**Service3: Book Resort Reservation**

This service endpoint will generate reservation\_id for a guest.

|  |  |
| --- | --- |
| **Path** | /resort/ book\_reservation**/** |
| **HTTP Method** | POST |
| **Response Format** | Json |
| **Requires Authorization** | True |

## Request

#### Guest Body Parameters

| **Parameter** | **Required/Optional** | **Description** |
| --- | --- | --- |
| { guest\_ID } | Required | Guest ID for the guest |
| {resort\_type} | Required | Resort Type. Possible values are:   * STANDARD * DELUXE * SUITE |
| {checkIn\_date} | Required | Check In Date |
| {checkOut\_date} | Required | Check Out date |
| {No\_Of\_Nights} | Required | No of nights.(min is 1 and maximum is 4) |
| {No\_Of\_Guests} | Required | No of guests |

**Sample Request Body**

POST /resort/ book\_reservation/ HTTP/1.1

Accept: application/json

{

    " guest\_ID ": "12345",

    "resort\_type": "STANDARD",

“checkIn\_date”: “2010-01-10T00:00:00Z”,

“checkout\_date”: “2010-01-10T00:00:00Z”

“no\_of\_nights”: “2”,

“no\_of\_guests”: “3”,

“status”:”BOOKED”

}

**Request Headers**

| **Header** | **R/O** | **Description** | **Supported Values** | **Example** |
| --- | --- | --- | --- | --- |
| Accept | Required | Describes content type. | application/json | Accept: application/json |
| Authorization | Required | A valid {guest\_ID} | Valid Guest ID | Guest\_id = 12345 |

**Request Parameters**

**Not Applicable**

**Response**

#### Results

**Response Status Codes**

| **Status Code** | **Description** |
| --- | --- |
| 201 | CREATED. Guest Reservation Successfully created |
| 400 | Invalid input parameter |
| 401 | User is not authenticated |
| 403 | User is not authorized |
| 500 | Server error |

**Response Headers**

| **Header** | **Description** | **Example** |
| --- | --- | --- |
| Content-Type | Specifies the format of the response. | Content-Type: application/json; charset=utf-8 |

**Response Body**

| **Body** | **Description** | **Example** |
| --- | --- | --- |
| Reservation\_ID | Reservation ID for a particular Guest | 12345 |
| Room Type | Room Type | STANDARD |
| Checkin Date | Check-In Date | 2010-01-10T00:00:00Z |
| CheckOut Date | Check-Out Date | 2010-01-10T00:00:00Z |
| No Of Nights | No of nights the reservation is booked | 3 |
| No of Guests | No of guests booked in that reservation | 3 |
| Status | Status of the reservation | BOOKED |

**Sample Response body**

HTTP/1.1 201 CREATED

Content-Type: application/json; charset=utf-8

resortReservation{

    " guest\_ID ": "12345",

“reservation\_no”:”12345”,

    "resort\_type": "STANDARD",

“checkIn\_date”: “2010-01-10T00:00:00Z”,

“checkout\_date”: “2010-01-10T00:00:00Z”

“no\_of\_nights”: “2”,

“no\_of\_guests”: “3”,

“status”:”BOOKED”

}

**Service4: Provide Resort Reservations by Guest ID**

This service endpoint will provide the list of resort reservations made by a particular guest

|  |  |
| --- | --- |
| **Path** | /resort/{guest\_ID}/resort-reservations |
| **HTTP Method** | GET |
| **Response Format** | Json |

## Request

#### Path variables

| **variables** | **Required/Optional** | **Description** |
| --- | --- | --- |
| {guest\_ID} | Required | Guest Id |

#### Request Parameters

Not Applicable

#### Request Body

Not Applicable

#### Sample Request

GET /resort/{guest\_ID}/resort-reservations HTTP/1.1

Accept: application/json

**Request Headers**

| **Header** | **R/O** | **Description** | **Supported Values** | **Example** |
| --- | --- | --- | --- | --- |
| Accept | Required | Describes content type. | application/json | Accept: application/json |

## Response

Response contains a list of “resort reservation” associated with a guest. The following are the attributes of each accommodation:

#### Results

**Response Status Codes**

| **Status Code** | **Description** |
| --- | --- |
| 200 | OK. |
| 403 | User is not valid |
| 500 | Server error |

**Response Headers**

| **Header** | **Description** | **Example** |
| --- | --- | --- |
| Content-Type | Specifies the format of the response. | Content-Type: application/json; charset=utf-8 |

**Response Body**

| **Body** | **Description** | **Example** |
| --- | --- | --- |
| Reservation\_ID | Reservation ID for a particular Guest | 12345 |
| Room Type | Room Type | STANDARD |
| Checkin Date | Check-In Date | 2010-01-10T00:00:00Z |
| CheckOut Date | Check-Out Date | 2010-01-10T00:00:00Z |
| No Of Nights | No of nights the reservation is booked | 3 |
| No of Guests | No of guests booked in that reservation | 3 |
| Status | Status of the reservation | BOOKED |

**Sample Response Body:**

HTTP/1.1 200 OK

Content-Type: application/json; charset=utf-8

{

“resortReservations”: [{

“reservation\_no”:”12345”,

"resort\_type": "STANDARD",

“checkIn\_date”: “2010-01-10T00:00:00Z”,

“checkout\_date”: “2010-01-10T00:00:00Z”

“no\_of\_nights”: “2”,

“no\_of\_guests”: “3”,

“status”:”BOOKED”

},

{

“reservation\_no”:”5678”,

"resort\_type": "DELUXE",

“checkIn\_date”: “2010-01-10T00:00:00Z”,

“checkout\_date”: “2010-01-10T00:00:00Z”

“no\_of\_nights”: “2”,

“no\_of\_guests”: “3”,

“status”:”CANCELLED”

}

]

}

**Service5: Cancel Resort Reservation**

This service endpoint will generate reservation\_id for a guest.

|  |  |
| --- | --- |
| **Path** | /resort/ cancel\_reservation**/** |
| **HTTP Method** | POST |
| **Response Format** | Json |
| **Requires Authorization** | True |

## Request

#### Guest Body Parameters

| **Parameter** | **Required/Optional** | **Description** |
| --- | --- | --- |
| { guest\_Id} | Required | Guest Id |
| {reservation\_id} | Required | Reservation ID |

**Request Headers**

| **Header** | **R/O** | **Description** | **Supported Values** | **Example** |
| --- | --- | --- | --- | --- |
| Accept | Required | Describes content type. | application/json | Accept: application/json |

**Request Parameters**

**Not Applicable**

**Request Body**

#### Results

**Response Status Codes**

| **Status Code** | **Description** |
| --- | --- |
| 201 | OK Guest successfully deleted |
| 400 | Invalid input parameter |
| 500 | Server error |

**Response Headers**

| **Header** | **Description** | **Example** |
| --- | --- | --- |
| Content-Type | Specifies the format of the response. | Content-Type: application/json; charset=utf-8 |

**Service6: Book Dining Reservation**

This service endpoint will generate dining\_reservation\_id for a guest.

|  |  |
| --- | --- |
| **Path** | /dining/ book\_reservation**/** |
| **HTTP Method** | POST |
| **Response Format** | Json |
| **Requires Authorization** | True |

## Request

#### Guest Body Parameters

| **Parameter** | **Required/Optional** | **Description** |
| --- | --- | --- |
| { guest\_Id} | Required | Guest E-Mail ID |
| {dining\_type} | Required | Guest Dining Option like   * BREAKFAST * LUNCH * DINNER |
| {dineIn\_date} | Required | Guest Dine In Date |
| dineIn\_time | Required | Time the reservation is made |
| {guest\_ID} | Required | guest ID of the guest who is making the reservation |
| No\_of\_Guests | Required | No of guests in the reservation |

**Request Headers**

| **Header** | **R/O** | **Description** | **Supported Values** | **Example** |
| --- | --- | --- | --- | --- |
| Accept | Required | Describes content type. | application/json | Accept: application/json |

**Request Sample**

POST /dining/ book\_reservation/ HTTP/1.1

Accept: application/json

{

" guest\_ID ": "12345",

"dining\_type": "LUNCH",

“dineIn\_date”: “2010-01-10”,

“dineIn\_time”: “12:30 PM”

“no\_of\_guests”: “3”,

}

**Request Parameters**

**Not Applicable**

#### Results

**Response Status Codes**

| **Status Code** | **Description** |
| --- | --- |
| 201 | CREATED. Guest Reservation Successfully created |
| 400 | Invalid input parameter |
| 500 | Server error |

**Response Headers**

| **Header** | **Description** | **Example** |
| --- | --- | --- |
| Content-Type | Specifies the format of the response. | Content-Type: application/json; charset=utf-8 |

**Response Body**

| **Body** | **Description** | **Example** |
| --- | --- | --- |
| Reservation\_ID | Dining Reservation ID for a particular Guest\_ID | 12345 |
| DiningType | Meal Preference | LUNCH |
| Dining Date | Dining Date | 01-01-2017 |
| Dining time | Dining time | 12:30 PM |
| No of Guests | NO of guests in the reservation | 3 |
| Status | Status of the reservation | BOOKED |

**Sample response Body:**

HTTP/1.1 201 CREATED

Content-Type: application/json; charset=utf-8

diningReservation {

"guest\_ID ": "12345",

"reservation\_no":"123456",

"dining\_type": "LUNCH",

“dineIn\_date”: “2010-01-10”,

“dineIn\_time”: “12:30 PM”

“no\_of\_guests”: “3”,

"status":"BOOKED",

}

**Service7: Provide Dining Reservations by Guest ID**

This service endpoint will provide the list of dining reservations made by a particular guest

|  |  |
| --- | --- |
| **Path** | /dining/{guest\_ID}/dining-reservations |
| **HTTP Method** | GET |
| **Response Format** | Json |

## Request

#### Path variables

| **variables** | **Required/Optional** | **Description** |
| --- | --- | --- |
| {guest\_ID} | Required | Guest Id |

#### Request Parameters

Not Applicable

#### Request Body

Not Applicable

#### Sample Request

GET /dining/{guest\_ID}/dining-reservations HTTP/1.1

Accept: application/json

**Request Headers**

| **Header** | **R/O** | **Description** | **Supported Values** | **Example** |
| --- | --- | --- | --- | --- |
| Accept | Required | Describes content type. | application/json | Accept: application/json |

## Response

Response contains a list of “dining reservation” associated with a guest.

#### Results

**Response Status Codes**

| **Status Code** | **Description** |
| --- | --- |
| 200 | OK. |
| 403 | User is not valid |
| 500 | Server error |

**Response Headers**

| **Header** | **Description** | **Example** |
| --- | --- | --- |
| Content-Type | Specifies the format of the response. | Content-Type: application/json; charset=utf-8 |

**Response Body**

| **Body** | **Description** | **Example** |
| --- | --- | --- |
| Reservation\_ID | Dining Reservation ID for a particular Guest\_ID | 12345 |
| DiningType | Meal Preference | LUNCH |
| Dining Date | Dining Date | 01-01-2017 |
| Dining time | Dining time | 12:30 PM |
| No of Guests | NO of guests in the reservation | 3 |
| Status | Status of the reservation | BOOKED |

**Sample Response Body:**

HTTP/1.1 200 OK

Content-Type: application/json; charset=utf-8

{

“diningReservations”: [{

"reservation\_no":"123456",

"dining\_type": "LUNCH",

“dineIn\_date”: “2010-01-10”,

“dineIn\_time”: “12:30 PM”

“no\_of\_guests”: “3”,

"status":"BOOKED",

},

{

"reservation\_no":"456789",

"dining\_type": "DINNER",

“dineIn\_date”: “2010-01-10”,

“dineIn\_time”: “08:30 PM”

“no\_of\_guests”: “3”,

"status":"BOOKED",

}

]

}

**Service8: Cancel DiningReservation**

This service endpoint will delete a reservation\_ID for a guest.

|  |  |
| --- | --- |
| **Path** | /dining/ cancel\_reservation**/** |
| **HTTP Method** | POST |
| **Response Format** | Json |
| **Requires Authorization** | True |

## Request

#### Guest Body Parameters

| **Parameter** | **Required/Optional** | **Description** |
| --- | --- | --- |
| { guest\_Id} | Required | Guest Id |
| {reservation\_id} | Required | Reservation ID |

**Request Headers**

| **Header** | **R/O** | **Description** | **Supported Values** | **Example** |
| --- | --- | --- | --- | --- |
| Accept | Required | Describes content type. | application/json | Accept: application/json |

**Request Parameters**

**Not Applicable**

#### Response Results

**Response Status Codes**

| **Status Code** | **Description** |
| --- | --- |
| 200 | OK Guest successfully deleted |
| 400 | Invalid input parameter |
| 500 | Server error |

**Response Headers**

| **Header** | **Description** | **Example** |
| --- | --- | --- |
| Content-Type | Specifies the format of the response. | Content-Type: application/json; charset=utf-8 |

**Service9: Show Itinerary**

This service endpoint will provide the list of resort and dining reservations made by a particular guest

|  |  |
| --- | --- |
| **Path** | /guest/{guest\_ID}/itinerary |
| **HTTP Method** | GET |
| **Response Format** | Json |

## Request

#### Path variables

| **variables** | **Required/Optional** | **Description** |
| --- | --- | --- |
| {guest\_ID} | Required | Guest Id |

#### Request Parameters

Not Applicable

#### Request Body

Not Applicable

#### Sample Request

GET /guest/{guest\_ID}/ itinerary HTTP/1.1

Accept: application/json

**Request Headers**

| **Header** | **R/O** | **Description** | **Supported Values** | **Example** |
| --- | --- | --- | --- | --- |
| Accept | Required | Describes content type. | application/json | Accept: application/json |

**Response Body**

| **Body** | **Description** | **Example** |
| --- | --- | --- |
| ResortReservation | Resort reservation details for a Customer ID |  |
| DiningReservation | Dining reservation details for a CustomerID |  |

**Sample Response body**

HTTP/1.1 200 OK

Content-Type: application/json; charset=utf-8

**guestitinerary**

**{**

**“resortReservations”: [{**

**“reservation\_no”:”12345”,**

**"resort\_type": "STANDARD",**

**“checkIn\_date”: “2010-01-10T00:00:00Z”,**

**“checkout\_date”: “2010-01-10T00:00:00Z”**

**“no\_of\_nights”: “2”,**

**“no\_of\_guests”: “3”,**

**“status”:”BOOKED”**

**}],**

**{**

**“diningReservations”: [{**

**"reservation\_no":"123456",**

**"dining\_type": "LUNCH",**

**“dineIn\_date”: “2010-01-10”,**

**“dineIn\_time”: “12:30 PM”**

**“no\_of\_guests”: “3”,**

**"status":"BOOKED",**

**}]**

**}**

**}**