**Intern Application Project for Aiosell Technologies**

**Overview**

All applicants who wish to apply for internship are expected to complete the project below by Saturday, 27th June 2020. There are two parts of the project that need to be completed and submitted (zipped or link to github) to [siddharth.goenka@vrsgroup.in](mailto:siddharth.goenka@vrsgroup.in) and [sandeep.buzzotel@gmail.com](mailto:sandeep.buzzotel@gmail.com). Please refrain from asking follow up questions as we may not be available during this time.

**Project 1: Data Conversion:**

You will be given a input Json data (details below).

1. Convert this data into the OUTPUT XML format (given below) using Java programming language. You are welcome to use any 3rd party libraries as per your choice.

**Input JSON:**

{

"startDate": "2020-06-27",

"endDate": "2020-06-27",

"taxInclusive": true,

"rooms": [

{

"rateplans": [

{

"rate": {

"rackRate": 2208

},

"rateplanId": "executive-s-cp"

},

{

"rate": {

"rackRate": 2508

},

"rateplanId": "executive-d-cp"

}

],

"roomId": "executive"

},

{

"rateplans": [

{

"rate": {

"rackRate": 1008

},

"rateplanId": "super-deluxe-s-ep"

},

{

"rate": {

"rackRate": 2008

},

"rateplanId": "super-deluxe-d-ep"

}

],

"roomId": "super-deluxe"

}

]

}

**OUTPUT XML:**

<RES\_Request>

<Request\_Type>UpdateRoomRates</Request\_Type>

<RateType>

<RoomTypeID>executive</RoomTypeID>

<RateTypeID>executive-s-cp</RateTypeID>

<FromDate>2020-06-27</FromDate>

<ToDate>2020-06-27</ToDate>

<Taxinclusive>true</Taxinclusive>

<RoomRate>

<Base>2208.0</Base>

</RoomRate>

</RateType>

<RateType>

<RoomTypeID>executive</RoomTypeID>

<RateTypeID>executive-d-cp</RateTypeID>

<FromDate>2020-06-27</FromDate>

<ToDate>2020-06-27</ToDate>

<Taxinclusive>true</Taxinclusive>

<RoomRate>

<Base>2508.0</Base>

</RoomRate>

</RateType>

<RateType>

<RoomTypeID>super-deluxe</RoomTypeID>

<RateTypeID>super-deluxe-s-ep</RateTypeID>

<FromDate>2020-06-27</FromDate>

<ToDate>2020-06-27</ToDate>

<Taxinclusive>true</Taxinclusive>

<RoomRate>

<Base>1008.0</Base>

</RoomRate>

</RateType>

<RateType>

<RoomTypeID>super-deluxe</RoomTypeID>

<RateTypeID>super-deluxe-d-ep</RateTypeID>

<FromDate>2020-06-27</FromDate>

<ToDate>2020-06-27</ToDate>

<Taxinclusive>true</Taxinclusive>

<RoomRate>

<Base>2008.0</Base>

</RoomRate>

</RateType>

</RES\_Request>

**Project 2: UI Development:**

You will be given a JSON data (sample booking details for a hotel) as input. You will need to create a simple front-end web display (using any technology like Angular, React). Please see the **below image** as reference.

**Sample UI**

**A screenshot of a social media post

Description automatically generated**

**INPUTJSON Data to be shown in table format in UI in single row:**

{

"hotel\_name": "Octave Bengaluru",

"bookingId": "87654321",

"status": "new",

"booked\_on": "2020-06-10 06:30:19",

"source": "ezee",

"check\_in": "2020-06-11",

"check\_out": "2020-06-12",

"channel": "Booking.com",

"total\_price": 3000,

"total\_tax": 300,

"total\_payment": 3300,

"comment": [

"I want tea bags",

"Need breakfast"

],

"booked\_by": {

"firstName": "Arun",

"lastName": "S",

"address": {

"country": "India"

},

"email": "one@test.com",

"phone": "+91-9999999999"

},

"rooms": [

{

"name": "Deluxe",

"occupancy": {

"adult": 2,

"child": 0

},

"price": {

"sell\_rate": 1000.0,

"tax": 100.0

}

},

{

"name": "Suite",

"occupancy": {

"adult": 2,

"child": 2

},

"price": {

"sell\_rate": 2000.0,

"tax": 200.0

}

}

]

}