**Restful API method Request/Response structure**

Mentioned below is sample request / response structure of user story 2 and 4.

**EBRS\_US\_02: Fetch all section data based on Shop/Company name or Primary Phone Number**

**Request Structure:** With JSON format

http://<<server path>>:<<server port>>/ebrs/customer/getInfoBy**COMPNM**?value=Test Company

OR

http://<<server path>>:<<server port>>/ebrs/customer /getInfoBy**PHNO**?value=11111

HTTP Method: GET

Content-Type:application/json

Accept:application/json

**Response Structure:**

{

"vehicleDTO": {

"vehicleCode": "VEH01",

"vin": "VIN",

"transmissionCode": "transmissionCode",

"hvacTypeCode": "hvacTypeCode",

"odometerCode": "odometerCode",

"unitOfMeasureCode": "KM"

},

"problemDTO": {

"systemCode": "SYSTEM01",

"symptomCodes": [

"SYSMPTOM01",

"SYSMPTOM02",

"SYSMPTOM03"

],

"dtcs": [

"dtc1",

"dtc2",

"dtc3"

],

"issueDesc": "Test Issue Desc",

"tests": [

{

"name": "test1",

"result": "result1"

},

{

"name": "test2",

"result": "result2"

}

]

},

"contactDTO": {

"shopOrCompName": "shopOrCompName",

"shopPhoneNum": "3333333333",

"contactName": "contactName",

"primaryPhoneNum": "11111111",

"emailAddr": "test@gmail.com",

"altPhoneNum": "2222222222",

"timeZoneCode": "10",

"prefLanguageCode": "US"

}

}

**Request Structure:** With XML format

Content-Type:application/xml

Accept:application/xml

**Response Structure:**

<DrfDTO xmlns="">

<vehicleDTO>

<vehicleCode>VEH01</vehicleCode>

<vin>VIN</vin>

<transmissionCode>transmissionCode</transmissionCode>

<hvacTypeCode>hvacTypeCode</hvacTypeCode>

<odometerCode>odometerCode</odometerCode>

<unitOfMeasureCode>KM</unitOfMeasureCode>

</vehicleDTO>

<problemDTO>

<systemCode>SYSTEM01</systemCode>

<symptomCodes>

<symptomCodes>SYSMPTOM01</symptomCodes>

<symptomCodes>SYSMPTOM02</symptomCodes>

<symptomCodes>SYSMPTOM03</symptomCodes>

</symptomCodes>

<dtcs>

<dtcs>dtc1</dtcs>

<dtcs>dtc2</dtcs>

<dtcs>dtc3</dtcs>

</dtcs>

<issueDesc>Test Issue Desc</issueDesc>

<tests>

<tests>

<name>test1</name>

<result>result1</result>

</tests>

<tests>

<name>test2</name>

<result>result2</result>

</tests>

</tests>

</problemDTO>

<contactDTO>

<shopOrCompName>shopOrCompName</shopOrCompName>

<shopPhoneNum>3333333333</shopPhoneNum>

<contactName>contactName</contactName>

<primaryPhoneNum>11111111</primaryPhoneNum>

<emailAddr>test@gmail.com</emailAddr>

<altPhoneNum>2222222222</altPhoneNum>

<timeZoneCode>10</timeZoneCode>

<prefLanguageCode>US</prefLanguageCode>

</contactDTO>

</DrfDTO>

**EBRS\_US\_04: Storing the DRF form and generating ticket number**

**Request Structure:** With JSON format

http://<<server path>>:<<server port>>/ebrs/tickets/create

HTTP Method: POST

Content-Type:application/json

Accept:application/json

Request Body:

{

"vehicleDTO": {

"vehicleCode": "VEH01",

"vin": "VIN",

"transmissionCode": "transmissionCode",

"hvacTypeCode": "hvacTypeCode",

"odometerCode": "odometerCode",

"unitOfMeasureCode": "KM"

},

"problemDTO": {

"systemCode": "SYSTEM01",

"symptomCodes": [

"SYSMPTOM01",

"SYSMPTOM02",

"SYSMPTOM03"

],

"dtcs": [

"dtc1",

"dtc2",

"dtc3"

],

"issueDesc": "Test Issue Desc",

"tests": [

{

"name": "test1",

"result": "result1"

},

{

"name": "test2",

"result": "result2"

}

]

},

"contactDTO": {

"shopOrCompName": "shopOrCompName",

"shopPhoneNum": "3333333333",

"contactName": "contactName",

"primaryPhoneNum": "11111111",

"emailAddr": "test@gmail.com",

"altPhoneNum": "2222222222",

"timeZoneCode": "10",

"prefLanguageCode": "US"

}

}

**Response Structure:**

<<Ticket Number>>

**Request Structure:**  (With XML format)

HTTP Method: POST

Content-Type:application/xml

Accept:application/xml

Request Body:

<DrfDTO xmlns="">

<vehicleDTO>

<vehicleCode>VEH01</vehicleCode>

<vin>VIN</vin>

<transmissionCode>transmissionCode</transmissionCode>

<hvacTypeCode>hvacTypeCode</hvacTypeCode>

<odometerCode>odometerCode</odometerCode>

<unitOfMeasureCode>KM</unitOfMeasureCode>

</vehicleDTO>

<problemDTO>

<systemCode>SYSTEM01</systemCode>

<symptomCodes>

<symptomCodes>SYSMPTOM01</symptomCodes>

<symptomCodes>SYSMPTOM02</symptomCodes>

<symptomCodes>SYSMPTOM03</symptomCodes>

</symptomCodes>

<dtcs>

<dtcs>dtc1</dtcs>

<dtcs>dtc2</dtcs>

<dtcs>dtc3</dtcs>

</dtcs>

<issueDesc>Test Issue Desc</issueDesc>

<tests>

<tests>

<name>test1</name>

<result>result1</result>

</tests>

<tests>

<name>test2</name>

<result>result2</result>

</tests>

</tests>

</problemDTO>

<contactDTO>

<shopOrCompName>shopOrCompName</shopOrCompName>

<shopPhoneNum>3333333333</shopPhoneNum>

<contactName>contactName</contactName>

<primaryPhoneNum>11111111</primaryPhoneNum>

<emailAddr>test@gmail.com</emailAddr>

<altPhoneNum>2222222222</altPhoneNum>

<timeZoneCode>10</timeZoneCode>

<prefLanguageCode>US</prefLanguageCode>

</contactDTO>

</DrfDTO>

**Response Structure:**

<<Ticket Number>>