**Scenario: Book charging slot/appointment**

**Mockup : #11-Start charging page**

**POST** https://localhost:8080/api/v1/transaction

**Request**

{

“userId”: 123,

“stationId”: 456,

“vehicleId”: 789,

“slotDuration”:

{

“startTime”: 9.30am,

“endTime”:10.30am,

“totalTime”:60mins

},

“pricePlanId”: 123456

}

**Response**

**Success response**

**{**

“success”: “true”,

“transactionId”: 311223124,

“message”: ”Transaction created successfully”,

**}**

**Fail response**

**{**

“success”: “false”,

“message”: “Failed creating transaction. Please try after some time”,

**}**

**Scenario: Get single transaction**

**Mockup: TBA**

**GET** https://localhost:8080/api/v1/transaction/{transactionId}

**Response:**

**Success Response:**

{

“transactionId”: 444123,

“status”: “Complete”,

“totalCost”:34,

“userId”: 123,

“stationName”: “Nageshwar Charging station ”,

“vehicleDetails”:

{

“make”:”Renault”,

“model”:”kwid”

},

“slotDuration”:

{

“startTime”: 9.30am,

“endTime”:10.30am,

“totalTime”:60mins,

“unitsConsumed”: 5

}

}

**Fail response**

**{**

“success”: “false”,

“message”: “Failed fetching transaction. Please try after some time”,

**}**

**Scenario: Get multiple transactions**

**Mockup: #16-Transaction history**

**GET** https://localhost:8080/api/v1/transactions/{userId}

**Response:**

**Success Response:**

{

“userId”: 123,

“transactions”:

[{

“transactionId”: 444123,

“status”: “Complete”,

“totalCost”:34,

“stationName”: “Nageshwar Charging station ”,

“vehicleDetails”:

{

“make”:”Renault”,

“model”:”kwid”

},

“slotDuration”:

{

“startTime”: 9.30am,

“endTime”:10.30am,

“totalTime”:60mins,

“unitsConsumed”: 5

}

},

{

“transactionId”: 6446123,

“status”: “Complete”,

“totalCost”:22,

“stationName”: “Shantai Charging station ”,

“vehicleDetails”:

{

“make”:”Mahindra”,

“model”:”E2”

},

“slotDuration”:

{

“startTime”: 3.30pm,

“endTime”:4.00pm,

“totalTime”:30mins,

“unitsConsumed”: 3

}

}]

}

**Fail response**

**{**

“success”: “false”,

“message”: “Failed fetching transactions. Please try after some time”,

**}**

**Scenario: Get available charging slots**

**Mockup : #11 – Get available charging slots**

**GET** <https://localhost:8080/api/v1/charging-slot?stationId=1234&date=02-10-2019>

**Response**

**Success response**

{

“stationId”: 1234,

“date”: 12-10-2019,

“pricePlan”:

{

“pricePlanId”: 535,

“costPerUnit”: 5,

“timeToClockOneUnit”: 20 mins,

“fixedCost”: 0.4,

“serviceCharge”:0.5,

“currency”: “INR”,

}

“availableSlots”: [

{“start\_time”: 9.30am,

“end\_time”:10.30am,

“total\_time”:60mins},

{“start\_time”: 11.30am,

“end\_time”:12.30pm,

“total\_time”:60mins},

{“start\_time”: 2.30pm,

“end\_time”:5.30pm,

“total\_time”:180mins},

{“start\_time”: 9.30pm,

“end\_time”:11.30pm,

“total\_time”:120mins}]

}

**Fail response**

**{**

“success”: “false”,

“message”: “Failed getting available charging slots. Please try after some time”,

**}**

**Scenario: User Registration**

**Mockup : #1**

**POST** <https://localhost:8080/api/v1/user/register>

**Request**

{

“name”: “Amit Dandawate”,

“email\_address”: “amit.dandawate@gmail.com”,

“mobile”: 9503234759,

“password”: “TestPassword”

}

**Response**

**Success response**

**{**

“success”: “true”,

“message”: ”User registered successfully”,

**}**

**Fail response**

**{**

“success”: “false”,

“message”: “Failed creating new user. Please try after some time”,

**}**

**Scenario : Add geo co-ordinates of Charging Station**

**Mockup : TBD**

**POST** <https://localhost:8080/api/v1/charging-station/geo-coordinates>

**Request**

{

“station\_id”: 1234,

“lattitude”: 493-96-29602606-206-999,

“longitude”: 3486344306803636-636,

“added\_by”: “Amit Dandawate”

}

**Response**

**Success response**

**{**

“success”: “true”,

“message”: ”Geo-coordinates added successfully”,

**}**

**Fail response**

**{**

“success”: “false”,

“message”: “Failed adding geo coordinates. Please try after some time”,

**}**

**Scenario : Map with Charging stations**

**Mockup : Mockup 7**

**GET** <https://localhost:8080/api/v1/charging-station>/53853848-363636-36/3836838-63636-36366

**Response**

**Success response**

{

“success”: “true”,

“lattitude”: 493-96-29602606-206-999,

“longitude”: 3486344306803636-636,

“charging\_stations”: [{

“station\_id”: 1789,

“name”:”Nageshwar Charging Station”,

“type”: ”Charging”,

“ratings”: 3,

“distance”: 4,

”address”:{

“line1”:”EON Sez IT park”,

“line2”:”Near Priyadarshani School”,

“zipcode”:411019,

“city”:”Pune”,

“state”:”Maharashtra”,

“country”:”India”

}

},

{

“station\_id”: 2789,

“name”:”Shantai Charging Station”,

“type”: ”Charging”,

“ratings”: 4,

“distance”: 9,

”address”:{

“line1”:”Mariplex mall”,

“line2”:”Near Adlabs Multiplex”,

“zipcode”:400019,

“city”:”Pune”,

“state”:”Maharashtra”,

“country”:”India”

}

}]

}

**Fail response**

**{**

“success”: “false”,

“message”: “Failed fetching stations. Please try after some time”,

**}**

**Scenario : Add vehicles**

**Mockup : 5 and 6**

POST <https://localhost:8080/api/v1/vehicles>

**Request**

{

“userID”: 1234,

“make”: ”Mahindra Electric”,

“model”: “Verito”,

“vehicleType”: “4-wheeler”

}

**Response**

**Success response**

**{**

“success”: “true”,

“message”: ”Vehicle added successfully”,

**}**

**Fail response**

**{**

“success”: “false”,

“message”: “Failed adding vehicle. Please try after some time”,

**}**

GET <https://localhost:8080/api/v1/vehicles/789>

**Response**:

**Success response**

{

“user\_id”: 1234,

“vehicle\_id”: 789,

“make”: ”Mahindra Electric”,

“model”: “Verito”,

“vehicleType”: “4-wheeler”

}

**Fail response**

**{**

“success”: “false”,

“message”: “Failed fetching vehicle. Please try after some time”,

**}**

GET <https://localhost:8080/api/v1/vehicles/1234>

Response:

**Success response**

{

“success”: “true”,

“user\_id”: 1234,

“vehicles”: [{

“vehicle\_id”: 789,

“make”: ”Mahindra Electric”,

“model”: “Verito”,

“vehicle\_type”: “4-wheeler”

},

{

“vehicle\_id”: 989,

“make”: ”Renault Electric”,

“model”: “KWID”,

“vehicle\_type”: “4-wheeler”

}]

}

**Fail response**

**{**

“success”: “false”,

“message”: “Failed fetching vehicles. Please try after some time”,

**}**