Api documentation:

1. Module Name: (Machine Capacity Form)
   * 1. Machine Capacity Create:

|  |  |
| --- | --- |
| Request | |
| Http Verb | POST |
| URL | [web-api\_url]/api/v1/MachineCapacity/post |
| User story | Fill out the entire form and clicks submit. (Frontend) |
| Description | All the data according to their respective fields are sent to the database from the form. (Backend). |
| Module | Machine Capacity |
| Source Code Module Name | machineCapacityApi |

|  |
| --- |
| R Request Body |
| {  "machine\_id" : 2,  "machineName" : "TEST-1",  "machineGauge" : 12,  "machineDiameter" : 33,  "machineCylinderRpm" : 33,  "loopLength" : 22,  "feederNumber" : 332,  "yarnCount" : 33,  "efficiency" : 50,  "time" : 8,  “knitting”: “A”,  "fabricLengthCapacityPerShift" : null,  "fabricWeightCapacityPerShift" : 2373.69,  } |

|  |  |
| --- | --- |
| Response: | |
| For Success | { “message”:” Machine Information Inserted successfully”  } |
| For Error | { “message”: “Duplicate Machine Name. Please change the name.”  },  { “Error”: “Server Error.  } |

Request Body Field Summary:

|  |  |  |
| --- | --- | --- |
| **Field** | **required** | **Values** |
| Machine Id | False | Number |
| Machine Name | True | String |
| Machine Diameter | True | Number |
| Machine Cylinder RPM | True | Number |
| Loop Length | True | Number |
| Feeder Number | True | Number |
| Yarn Count | True | Number |
| Efficiency | True | Number |
| Knitting | True | String |
| Fabric Weight | True | Number |
| Fabric Length | True | Number |

* + 1. Machine Capacity Edit:

|  |  |
| --- | --- |
| Request | |
| Http Verb | PUT/EDIT/UPDATE |
| URL | [web-api\_url]/api/v1/MachineCapacity/edit/machine\_id |
| User story | Click the Edit button beside the entry you want to edit. (Frontend) |
| Description | All the data according to their respective fields are sent to the database from the form. (Backend). |
| Module |  |
| Source Code Module Name | machineCapacityApi |

|  |
| --- |
| R Request Body |
| {  "machine\_id" : 2,  "machineName" : "TEST-1",  "machineGauge" : 12,  "machineDiameter" : 33,  "machineCylinderRpm" : 33,  "loopLength" : 22,  "feederNumber" : 332,  "yarnCount" : 33,  "efficiency" : 50,  "time" : 8,  “knitting”: “A”,  "fabricLengthCapacityPerShift" : null,  "fabricWeightCapacityPerShift" : 2373.69,  } |

|  |  |
| --- | --- |
| Response: | |
| For Success | { “message”:”Machine Information Updated successfully”  } |
| For Error | { “Error”: “this field is required”  } |

Request Body Field Summary:

|  |  |  |
| --- | --- | --- |
| **Field** | **required** | **Values** |
| Machine Id | False | Number |
| Machine Name | True | String |
| Machine Diameter | True | Number |
| Machine Cylinder RPM | True | Number |
| Loop Length | True | Number |
| Feeder Number | True | Number |
| Yarn Count | True | Number |
| Efficiency | True | Number |
| Knitting | True | String |
| Fabric Weight | True | Number |
| Fabric Length | True | Number |

* + 1. Machine Capacity Delete:

|  |  |
| --- | --- |
| Request | |
| Http Verb | DELETE/REMOVE |
| URL | [web-api\_url]/api/v1/MachineCapacity/delete/machine\_id |
| User story | Click ‘delete’ icon on a particular item from the table and confirm on the alert box. (Frontend) |
| Description | A particular entry which the user selected gets deleted instantly by matching the machine\_id. (Backend). |
| Module |  |
| Source Code Module Name | machineCapacityApi |

|  |
| --- |
| R Request Body |
| {  "machine\_id" : "0093"    }    } |

|  |  |
| --- | --- |
| Response: | |
| For Success | { “message”:”Machine Entry Deleted successfully”  } |
| For Error | { “Error”: “Sorry, something went wrong.”  } |

Request Body Field Summary:

|  |  |  |
| --- | --- | --- |
| **Field** | **required** | **Values** |
| Machine Id | True | Number |

(iv) Get All Machine Details:

|  |  |
| --- | --- |
| Request | |
| Http Verb | get |
| URL | [web-api\_url]/api/v1/ MachineCapacity/allMachineDetails |
| User story | Fetch all the information of all machines from backend. (frontend description) |
| Description | All the entries are fetched from the database. (Back end description). |
| Module |  |
| Source Code Module Name | machineCapacityApi |

|  |
| --- |
| R Request Body |
| } |

|  |  |
| --- | --- |
| **Response:**  {  "machine\_id" : 2,  "machineName" : "TEST-1",  "machineGauge" : 12,  "machineDiameter" : 33,  "machineCylinderRpm" : 33,  "loopLength" : 22,  "feederNumber" : 332,  "yarnCount" : 33,  "efficiency" : 50,  "time" : 8,  “knitting”: “A”,  "fabricLengthCapacityPerShift" : null,  "fabricWeightCapacityPerShift" : 2373.69,  } | |
| For Success |  |
| For Error |  |

Request Body Field Summary:

|  |  |  |
| --- | --- | --- |
| **Field** | **required** | **Values** |
|  |  |  |

(v) Get Machine Id:

|  |  |
| --- | --- |
| Request | |
| Http Verb | GET |
| URL | [web-api\_url]/api/v1/MachineCapacity/id |
| User story | Fetch the next available empty machine id from the backend. (frontend description) |
| Description | After each submission, the database returns the next empty position that will be filled for the next entry. (Back end description). |
| Module |  |
| Source Code Module Name | machineCapacityApi |

|  |
| --- |
| R Request Body |
| No parameter. |

|  |
| --- |
| R Response: |
| {  “machineId” : 3  } |

(vi)Post machineId and get machine details:

|  |  |
| --- | --- |
| Request | |
| Http Verb | post |
| URL | [web-api\_url]/api/v1/MachineCapacity/all/machine\_id |
| User story | Fetch all the available information about a machine in accordance to the machineId.(frontend description) |
| Description | On clicking the machineId, it sends a post request to get all the available information about the machine from the database. (backend description). |
| Module |  |
| Source Code Module Name | machineCapacityApi |

|  |
| --- |
| R Request Body |
| { “machineId”: 0011 }  } |

|  |  |
| --- | --- |
| For Success |  |
| For Error |  |

Request Body Field Summary:

|  |  |  |
| --- | --- | --- |
| **Field** | **required** | **Values** |
| machineId | Yes | Number |