| Sl No | Entity | HTTPMethod | Purpose | URL | Parameters/Request Body | API Output/Response Example |
|---|---|---|---|---|---|---|
| 1 | USER | GET | To GET all user list | /user/ | Headers:<br>**access-control-allow-origin: \***<br>connection: keep-alive<br>content-length: 2103<br>content-type: application/json; charset=utf-8<br>date: Sun,31 Mar 2024 02:45:48 GMT<br>etag: W/"837-0vFe9cBZr5be53H16ie219dWlS0"<br>keep-alive: timeout=5<br>x-powered-by: Express | [<br>{<br>  "_id": "66050d4ceb2a791360e68094",<br>  "email": "mehedi@gmail.com",<br>  "password": "$2a$10$40GYRdJYe2fEkt2/5hVZtO6zs7mjIMS5E0d9zTxdvmYHx8Zt1S5sO",<br>  "name": "Mehedi Islam Miraz",<br>  "phone": 1964469646,<br>  "role": "STS-MANAGER" |
| 2 | USER | POST | To add new user | /user/ | Headers: content-type: application/json;<br><br>**Body: Email and Phone Number Must Be Unique**<br>{<br>  "email": "kabid11@gmail.com",<br>  "name": "Kabid Hossain",<br>  "phone": "0183539422",<br>  "role": "UNASSIGNED",<br>  "password": "1234" | {<br>  "email": "kabid11@gmail.com",<br>  "password": "$2a$10$o.aWqAPSsAUQaYk8Qc3moufM7PqKgnrwtBVAoqGYdjCd8.FWeytH6",<br>  "name": "Kabid Hossain",<br>  "phone": 183539422,<br>  "role": "UNASSIGNED",<br>  "_id": "6608d4056f99f58a33f33403",<br>  "__v": 0 |
| 3 | USER | GET | To GET all STS Manager List | /user/sts-manager | Headers:<br>access-control-allow-origin: \*<br>connection: keep-alive<br>content-length: 1043<br>content-type: application/json; charset=utf-8<br>date: Sun,31 Mar 2024 03:11:56 GMT<br>etag: W/"413-Z0Cg/ITaOmn0hTKWYqx3BS8E1Hs"<br>keep-alive: timeout=5<br>x-powered-by: Express | [<br>{<br>  "_id": "66050d4ceb2a791360e68094",<br>  "email": "mehedi@gmail.com",<br>  "password": "$2a$10$40GYRdJYe2fEkt2/5hVZtO6zs7mjIMS5E0d9zTxdvmYHx8Zt1S5sO",<br>  "name": "Mehedi Islam Miraz",<br>  "phone": 1964469646,<br>  "role": "STS-MANAGER" |
| 4 | USER | GET | To GET all Landfill Manager | /user/landfill-manager | Headers:<br>access-control-allow-origin: \*<br>connection: keep-alive<br>content-length: 2103<br>content-type: application/json; charset=utf-8<br>date: Sun,31 Mar 2024 02:45:48 GMT<br>etag: W/"837-0vFe9cBZr5be53H16ie219dWlS0"<br>keep-alive: timeout=5<br>x-powered-by: Express | [<br>{<br>  "_id": "66062cbf270e99712c57522e",<br>  "email": "rahim@gmail.com",<br>  "password": "$2a$10$LZmIQunoFqhKnPBbEaHcLerBwkOpScLgQep1QPPGaDpmsbbK42nuu",<br>  "name": "Abdur Rahim Abir",<br>  "phone": 18424279892,<br>  "role": "LANDFILL MANAGER", |
| 5 | USER | GET | To GET user Info Based on Id | /user/{userId} | Query Param:  6608d4056f99f58a33f33403<br><br>Request url : http://localhost:3000/user/6608d4056f99f58a33f33403 | {<br>  "_id": "6608d4056f99f58a33f33403",<br>  "email": "kabid11@gmail.com",<br>  "password": "$2a$10$o.aWqAPSsAUQaYk8Qc3moufM7PqKgnrwtBVAoqGYdjCd8.FWeytH6",<br>  "name": "Kabid Hossain",<br>  "phone": 183539422,<br>  "role": "UNASSIGNED",<br>  "__v": 0 |

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| 6 | USER | PUT | To update userinfo Based on ID | /user/{userId} | Query Param: 6608d4056f99f58a33f33403<br><br>**Body: Email and Phone Must be unique**<br>{<br>  "email": "kabid2321@gmail.com",<br>  "name": "Kabid Ali",<br>  "phone": "018224221242"<br>} | {<br>  "email": "kabid2321@gmail.com",<br>  "password": "$2a$10$o.<br>aWqAPSsAUQaYk8Qc3moufM7PqKgnrwtBVAoqGYdjCd8.FWeytH6",<br>  "name": "Kabid Ali",<br>  "phone": 18224221242,<br>  "role": "UNASSIGNED",<br>  "_id": "6608d4056f99f58a33f33403",<br>  "__v": 0 |
| 7 | USER | DELETE | Delete User based on ID | /user/{userId} | **Query Param: 6608d4056f99f58a33f33403**<br><br>Body: | User deleted successfully |
| 8 | ROLE | PUT | JUST Update USER Role | /user/{userId}/role | Query Param: 6608d2a96f99f58a33f333f8<br><br>Body: Email and Phone Must be unique<br>{<br>  "email": "kabid@gmail.com",<br>  "name": "Kabid Hossain",<br>  "phone": "183539482",<br>  "role": "SYSTEM-ADMIN"<br>} | {<br>  "email": "kabid@gmail.com",<br>  "password": "$2a$10$.VTv8vRxnxnKrcJ4xcMkL.<br>7Op5Vn5KK45lAQow5fabOoRWCHKiSlC",<br>  "name": "Kabid Hossain",<br>  "phone": 183539482,<br>  "role": "SYSTEM-ADMIN",<br>  "_id": "6608d2a96f99f58a33f333f8",<br>  "__v": 0 |
| 9 | ROLE | GET | Get all available Roles | /rbac/roles | Request URL : http://localhost:3000/rbac/roles | [<br>  {<br>    "_id": "660373301fd98631f4546ef6",<br>    "roleId": 1,<br>    "roleName": "SYSTEM ADMIN",<br>    "__v": 0 |
| 10 | ROLE | POST | ADD New Role | /rbac/roles | Body : Id must be unique<br>{<br>  "roleId": "12",<br>  "roleName": "SUB-ASSISTANT"<br>} | {<br>  "roleId": 12,<br>  "roleName": "SUB-ASSISTANT",<br>  "_id": "6608db22d233e67b752271de",<br>  "__v": 0<br>} |
| 11 | Permission | GET | Get all available Roles with the permission the roles has | /rbac/permissions | Request URL : http://localhost:3000/rbac/roles | [<br>  {<br>    "_id": "6603761be9435bb5ec692d2a",<br>    "roleId": 1,<br>    "permissionName": "Dashboard",<br>    "status": true,<br>    "__v": 0<br>  },<br>  {<br>    "_id": "660381399c70a450c8c6c455" |
| 12 | Permission | POST | Provide permission access to a role | /rbac/permissions | Request Body :<br>{<br>  "roleId": "12",<br>  "permissionName": "DASHBOARD",<br>  "status": "true"<br>} | {<br>  "roleId": 12,<br>  "permissionName": "DASHBOARD",<br>  "status": true,<br>  "_id": "6608dc95d233e67b752271e1",<br>  "__v": 0<br>} |

| 13 | Permission | GET | Get all allowed permission to role | /rbac/roles/{roleId}/permissions | Query Paramerter : 2 | [<br>{<br>  "_id": "6606163f0c70e450a8831e16",<br>  "permissionName": "Dashboard",<br>  "roleId": 2, |
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| 14 | Permission | POST | Upate permission access to a role id specifically | /rbac/roles/{roleId}/permissions | Query Parmter : 12<br>Request Body :<br>{<br>  "permissionName": "DASHBOARD",<br>  "status": "false"<br>} | {<br>  "_id": "6608dc95d233e67b752271e1",<br>  "roleId": 12,<br>  "permissionName": "DASHBOARD",<br>  "status": false,<br>  "__v": 0<br>} |
| 15 | ROLE | GET | Check Permission of a role based role Name Directly | /rbac/check/{roleName}/permissions | Query Paramerter : STS-MANAGER | [<br>{<br>  "_id": "660381290c70e450a8a6a455",<br>  "permissionName": "Dashboard",<br>  "roleId": 3,<br>  "__v": 0,<br>  "status": true |
| 16 | Profile | POST | User Profile Information | /profile/ | Request Body :<br>{<br>  "id": "6608d2a96f99f58a33f333f8"<br>} | {<br>  "_id": "6608d2a96f99f58a33f333f8",<br>  "email": "kabid@gmail.com",<br>  "password": "$2a$10$.VTv8vRxnxnKrcJ4xcMkL.7Op5Vn5KK45lAQow5fabOoRWCHKiSlC",<br>  "name": "Kabid Hossain",<br>  "phone": 183539482 |
| 17 | Profile | PUT | Update User Profile Information | /profile/ | Request Body :<br>{<br>  "_id": "66065f04e82f680ed565a20a",<br>  "email": "sumontasaha80@gmail.com",<br>  "password": "hashed_password_here",<br>  "name": "SUMONTA SAHA MRIDUL",<br>  "phone": 1719090488 | {<br>  "_id": "66065f04e82f680ed565a20a",<br>  "email": "sumontasaha80@gmail.com",<br>  "password": "hashed_password_here",<br>  "name": "SUMONTA SAHA MRIDUL",<br>  "phone": 1719090488,<br>  "role": "SYSTEM ADMIN" |
| 18 | Vehicle | GET | Get all vehicle Entry information | /vehicle/ | Request URL : http://localhost:3000/vehicle/ | [<br>{<br>  "_id": "66064221b96e676eb3a64e32",<br>  "regnumber": "DHAKA-D-20-5638",<br>  "type": "Container Carrier",<br>  "capacity": "15 TON",<br>  "loadedfuelcost": "45" |
| 19 | Vehicle | POST | Create New Vehicle Data | /vehicle/ | Request Body : Vehicle Reg no Must Be unique<br>{<br>  "regnumber": "DHAKA-D-33-6280",<br>  "type": "Open Truck",<br>  "capacity": "3 TON",<br>  "loadedfuelcost": "40",<br>  "unloadedfuelcost": "50" | {<br>  "success": true,<br>  "data": {<br>    "regnumber": "DHAKA-D-34-6280",<br>    "type": "Open Truck",<br>    "capacity": "3 TON",<br>    "loadedfuelcost": "40" |
| 20 | Vehicle | GET | GET a specific vehicle's details by registration number | /vehicle/{regnumber} | Query Param : DHAKA-D-33-6280 | {<br>  "_id": "6608e567de2b257700bfeeeb",<br>  "regnumber": "DHAKA-D-33-6280",<br>  "type": "Open Truck",<br>  "capacity": "3 TON",<br>  "loadedfuelcost": "40",<br>  "unloadedfuelcost": "50" |

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| 21 | **Vehicle** | **PUT** | Update a vehicle data based on vehicle ID | **/vehicle/{vehicleId}** | Query Param : 6608e567de2b257700bfeeeb<br>Request Body :<br>{<br>  "number": "DHAKA-D-33-6280",<br>  "type": "Open Truck",<br>  "capacity": "3 TON"<br>} | {<br>"regnumber": "DHAKA-D-33-6280",<br>"type": "Open Truck",<br>"capacity": "3 TON",<br>"loadedfuelcost": "40",<br>"unloadedfuelcost": "50",<br>"_id": "6608e567de2b257700bfeeeb" |
| 22 | **Vehicle** | **DELETE** | Delete Vehicle based on vehicleId | **/vehicle/{vehicleId}** | Query Param : 6608e567de2b257700bfeeeb | Vehicle deleted successfully |
| 23 | **STS** | **GET** | Get all sts information | **/sts/** | Request URL : http://localhost:3000/sts/ | [<br>  {<br>    "_id": "66050e5deb2a791360e680a9",<br>    "wardno": "1",<br>    "managerId": "66050d71eb2a791360e68099",<br>    "capacity": "100000",<br>    "gpscoords": "23.867, 90.4050", |
| 24 | **STS** | **POST** | Create New STS | **/sts/** | Request Body :<br>{<br>  "wardno": 7,<br>  "managerId": "66050d71eb2a791360e68099",<br>  "capacity": "80",<br>  "gpscoords": "23.74345,90.391754"<br>} | {<br>"wardno": "7",<br>"managerId": "66050d71eb2a791360e68099",<br>"capacity": "80",<br>"gpscoords": "23.74345,90.391754",<br>"_id": "6608edb3b8102c6256454623",<br>"_v": 0 |
| 25 | **STS** | **GET** | Get specific STS Information using stsID | **/sts/{stsId}** | Query Param : 6608e86c92141f1d7bfb8e43 | {<br>"_id": "6608e86c92141f1d7bfb8e43",<br>"wardno": "7",<br>"managerId": "66050d71eb2a791360e68099",<br>"capacity": "80",<br>"gpscoords": "23.74345,90.391754",<br>"_v": 0 |
| 26 | **Landfill** | **GET** | GET all Landfill Information | **/landfill/** | Request URL : http://localhost:3000/landfill/ | [<br>  {<br>    "_id": "6606f7c6a06c152c4a8a917d",<br>    "managerId": "66065686b96e676eb3a65083",<br>    "siteno": "2",<br>    "capacity": "1200",<br>    "timespan": "9:00 - 04:00" |
| 27 | **Landfill** | **POST** | Create  New Landfill | **/landfill/** | Request Body :<br>{<br>  "siteno": "3",<br>  "managerId": "66065686b96e676eb3a65083",<br>  "capacity": "500",<br>  "timespan": "11:00 - 15:00",<br>  "gpscoords": "23.7965,90.3936" | {<br>"managerId": "66065686b96e676eb3a65083",<br>"siteno": "3",<br>"capacity": "500",<br>"timespan": "11:00 - 15:00",<br>"gpscoords": "23.7965,90.3936",<br>"_id": "6608ed62b8102c625645461f" |
| 28 | **Landfill** | **GET** | Get Specific Landfill info using Lanfill id | **/landfill/{landfillId}** | Query Param : 6608ea81cba9365864551c12 | {<br>"_id": "6608ea81cba9365864551c12",<br>"managerId": "66065686b96e676eb3a65083",<br>"siteno": "3",<br>"capacity": "500",<br>"timespan": "11:00 - 15:00",<br>"gpscoords": "23.7965,90.3936" |

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| 29 | Transfer | GET | Get all transfer infromation ( STS Manager Data entry information of waste) | /transfer/ | Request URL : http://localhost:3000/transfer/ | [<br>{<br>  "_id": "6607cff870b67e18a3c0f085",<br>  "stsmanagername": "66065266b96e676eb3a64ef1",<br>  "wardno": "66065368b96e676eb3a64f08",<br>  "siteno": "6606f7c6a06c152c4a8a917d",<br>  "vehicleregno": "66064ff6b96e676eb3a64e97",<br>  "wastevolume": "4.8",<br>  "arrivaltime": "11:11",<br>  "departuretime": "12:10",<br>  "currentdate": "2024-03-29",<br>  "perkmcost": "47.68",<br>  "distance": "6.03", |
| 30 | Transfer | POST | STS Manager Data Entry form , recording transfer information | /transfer/ | Request Body :<br>{<br>  "wardno": "660681b771d1e397d8d9b61d",<br>  "siteno": "6606f920a06c152c4a8a91a3",<br>  "vehicleregno": "66064221b96e676eb3a64e32",<br>  "wastevolume": "6",<br>  "arrivaltime": "11:00",<br>  "departuretime": "12:30",<br>  "currentdate": "2024-03-31",<br>  "stsmanagername": "66050da4eb2a791360e6809e",<br>  "perkmcost": 37.8,<br>  "distance": "5.90" | {<br>  "stsmanagername": "66050da4eb2a791360e6809e",<br>  "wardno": "660681b771d1e397d8d9b61d",<br>  "siteno": "6606f920a06c152c4a8a91a3",<br>  "vehicleregno": "66064221b96e676eb3a64e32",<br>  "wastevolume": "6",<br>  "arrivaltime": "11:00",<br>  "departuretime": "12:30",<br>  "currentdate": "2024-03-31",<br>  "perkmcost": "37.8",<br>  "distance": "5.90",<br>  "_id": "6608ed86b8102c6256454621", |
| 31 | Dump History | GET | Landfill Manager : Get all dumping infromation ( Data entry information of waste) | /dump/ | Requst URL : http://localhost:3000/dump/ | [<br>{<br>  "_id": "6607d96870b67e18a3c0f3ef",<br>  "landfillmanagername": "66065686b96e676eb3a65083",<br>  "siteno": "6606f7c6a06c152c4a8a917d",<br>  "wardno": "6607cc4170b67e18a3c0ef62",<br>  "vehicleregno": "6607cc9670b67e18a3c0ef94",<br>  "wastevolume": "13",<br>  "arrivaltime": "10:00",<br>  "departuretime": "11:10", |
| 32 | Dump History | POST | Landfiill Managerr Data Entry of waste collection | /dump/ | Request Body :<br>{<br>  "landfillmanagername": "66065686b96e676eb3a65083",<br>  "siteno": "6606f7c6a06c152c4a8a917d",<br>  "wardno": "6605121beb2a791360e68151",<br>  "vehicleregno": "66064ff6b96e676eb3a64e97",<br>  "wastevolume": "4",<br>  "arrivaltime": "11:30",<br>  "departuretime": "12:30",<br>  "currentdate": "2024-03-31",<br>  "perkmcost": "46.4",<br>  "distance": "41.36" | {<br>  "landfillmanagername": "66065686b96e676eb3a65083",<br>  "siteno": "6606f7c6a06c152c4a8a917d",<br>  "wardno": "6605121beb2a791360e68151",<br>  "vehicleregno": "66064ff6b96e676eb3a64e97",<br>  "wastevolume": "4",<br>  "arrivaltime": "11:30",<br>  "departuretime": "12:30",<br>  "currentdate": "2024-03-31",<br>  "perkmcost": "46.4",<br>  "distance": "41.36",<br>  "_id": "6608f012b8102c62564546a8", |
| 33 | Auth | POST | Login user if success return the generated Token for session | /auth/login | Request Body :<br>{<br>  "email": "sumontasaha80@gmail.com",<br>  "password": "1234"<br>} | {<br>  "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjY2MDY1ZjA0ZTgyZjY4MGVkNTY1YTIwYSIsImVtYWlsIjoic3Vtb250YXNhaGE4MEBnbWFpbC5jb20iLCJyb2xlIjoiU1lTVEVVNIEFETUlOIiwiaWF0IjoxNzExODYxODkxODkwfQ.ztCjVSa4gZj4bogQTgnSBj92k-2QPQoW_oQqX2zMpfk"<br>} |

| 34 | Auth | POST | Sending OTP to user email if email is valid | /auth/reset-password/initiate | Request Body :<br>{<br>  "recipient_email": "sumontasaha80@gmail.com",<br>  "OTP": "2324"<br>} | {<br>  "message": "Email sent successfully",<br>  "OTP": "2324"<br>} |
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| 35 | Auth | POST | Change Password | /auth/change-password | Request Body :<br>{<br>  "email": "sumontasaha80@gmail.com",<br>  "password": "1234",<br>  "confirmPassword": "1234"<br>} | "Password updated successfully" |