

BACKEND API FOR CONSTRUCTION

NOTE for Frontend developer:

List of Error Types we have

VALIDATION_ERROR: 0,

INTERNAL_ERROR: 1,

DB_ERROR: 2,

AUTH_ERROR: 3, // Frontend should redirect to Login page

List of types of users

ADMIN : 0,

ACCOUNTANT: 1,

DIRECTOR : 2,

FACULTY : 3

LOGIN & REGISTRATION(for admin and users)

Login route : (common for user and admin):

/user/login

Type:

POST

Body Parameters:

REQUIRED

- ui_email: Email ID of the user
 - o Validation: Valid Email.
- ui_password: Password for account
 - o Validation: Min 8 characters.

Response:

SUCCESS:

200 OK:

Header:

x-auth-user-token -> Successful Authentication token

Body:

```
{
  "data": {
    "kind": "login",
    "description": "Login Successful!!!"
  }
}
```

```
    "items": [  
      {  
        "username": "name"  
      }  
    ]  
  }  
}
```

FAILURE:

400 Bad Request: Invalid Username and Password.

```
{  
  "type": 2,  
  "code": "4002",  
  "message": "Invalid Username or Password provided !",  
  "errors": []  
}
```

400 Bad Request: Validation Failures

```
{  
  "type": 0,  
  "code": "",  
  "message": "Validation failure.",  
  "errors": [  
    {  
      "message": "Please enter valid email",  
      "field": "ui_email",  
      "location": "body"  
    },  
    {  
      "message": "Password should have at least 8 characters",  
      "field": "ui_password",  
      "location": "body"  
    }  
  ]  
}
```

User registration :

(done by admin - for testing purpose we have not added constraint but we will add the constraint) :

/user/register

TYPE

POST

Header parameters:

REQUIRED (Not required for now)

- x-auth-user-token: Authentication token should be provided in header.
 - o No Validation on front end.

Body parameters:

REQUIRED

- ui_name : Name of the user who has to be registered,
- ui_email : email of the user who has to be registered,
- ui_password : password to be assigned to the user,
- ui_mobile : contact number or mobile number of the user,
- ui_role : role to be played by the user

OPTIONAL

- ui_alternate_mobile: alternate mobile of the user
- ui_alternater_email : alternate email of the user

Response:

SUCCESS

200 success ok : user registration successful

```
{
  "data": {
    "kind": "Registration",
    "description": "User Registration Successful. Redirect to Login Page!",
    "items": []
  }
}
```

FAILURE:

400 bad request : validation failures

```
{
  "type": 0,
  "code": "",
  "message": "Validation failure.",
  "errors": [
```

```
{
  "message": "Name Should be Minimum 3 Character",
  "field": "ui_user_name",
  "location": "body"
},
{
  "message": "Please enter valid email",
  "field": "ui_user_email",
  "location": "body"
},
{
  "message": "Password should have at least 8 characters",
  "field": "ui_user_password",
  "location": "body"
},
{
  "message": "Mobile Number is not valid please check if you have entered 10 digit mobile
number",
  "field": "ui_user_mobile",
  "location": "body"
}
]
```

400 bad request : duplicate entry

```
{
  "type": 2,
  "code": "4001",
  "message": "User is already registered with this email",
  "errors": []
}
```

403 forbidden : authentication error

```
{
  "type": 4,
  "code": "2002",
  "message": "You are not authorized to access this resource. Please login again.",
}
```

```
"errors": []
}
```

401 unauthorized error

```
{
  "type": 4,
  "code": "2003",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

Change password route for the user:

/user/change_password

TYPE

PUT

Header parameters:

REQUIRED

- x-auth-user-token: Authentication token should be provided in header.
 - o No Validation on front end.

Body parameters:

- ui_current_password: current password of the user
- ui_new_password: new password for the user

RESPONSE

SUCCESS

200 OK :

```
{
  "data": {
    "kind": "Update password",
    "description": "Password have been updated Sucessfully!!!",
    "items": []
  }
}
```

FAILURE

403 forbidden : authentication error

```
{
```

```
"type": 4,  
"code": "2002",  
"message": "You are not authorized to access this resource. Please login again.",  
"errors": []  
}
```

401 unauthorized error

```
{  
  "type": 4,  
  "code": "2003",  
  "message": "You are not authorized to access this resource. Please login again.",  
  "errors": []  
}
```

422 unprocessable entity : validation error

```
{  
  "type": 0,  
  "code": "",  
  "message": "Validation failure.",  
  "errors": [  
    {  
      "message": "Password should have at least 8 characters",  
      "field": "ui_current_password",  
      "location": "body"  
    },  
    {  
      "message": "Password should have at least 8 characters",  
      "field": "ui_new_password",  
      "location": "body"  
    }  
  ]  
}
```

400 bad request : invalid current password

```
{  
  "type": 2,  
  "code": "3006",
```

```
"message": "Invalid Current Password provided!, Please enter correct password",
"errors": []
}
```

Profile route for the user:

/user/profile

TYPE

GET

Header parameters:

REQUIRED

- x-auth-user-token: Authentication token should be provided in header.
 - o No Validation on front end.

RESPONSE

SUCCESS

200 OK : profile details

```
{
  "data": {
    "kind": "Profile",
    "description": "Get User's profile data",
    "items": [
      {
        "name": "Siva",
        "email": "sivakusi12@gmail.com",
        "mobile": "8297020246",
        "role": "Admin",
        "alternateMobile": null,
        "alternateEmail": null
      }
    ]
  }
}
```

FAILURE

403 forbidden : authentication error

```
{
  "type": 4,
  "code": "2002",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

```
}
```

401 unauthorized error

```
{
  "type": 4,
  "code": "2003",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

500 internal error : internal server error

```
{
  "type": 2,
  "code": "4007",
  "message": "An internal error occurred. Please try again!",
  "errors": []
}
```

User update details route:

/user/update_details

TYPE

PUT

Header parameters:

REQUIRED

- x-auth-user-token: Authentication token should be provided in header.
 - o No Validation on front end.

Body parameters:

- ui_name : Name of the user who has to be registered,
- ui_email : email of the user who has to be registered,
- ui_mobile : contact number or mobile number of the user

RESPONSE

SUCCESS

200 ok : update successful

```
{
  "data": {
    "kind": "User details updation",
```



```
"description": "The details of the user are updated sucessfully",
"items": [
  {
    "name": "Siva",
    "email": "sivakusi12@xyz.com",
    "mobile": "9381159569",
    "alternateMobile": ""
  }
]
}
```

FAILURE

403 forbidden : authentication error

```
{
  "type": 4,
  "code": "2002",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

401 unauthorized error

```
{
  "type": 4,
  "code": "2003",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

500 internal error : internal server error

```
{
  "type": 2,
  "code": "4008",
  "message": "An internal error occured. Please try again!",
  "errors": []
}
```

422 unprocessable entity : validation errors

```
{
  "type": 0,
  "code": "",
  "message": "Validation failure.",
  "errors": [
    {
      "message": "Name Should be Minimum 3 Character",
      "field": "ui_name",
      "location": "body"
    },
    {
      "message": "Please enter valid email",
      "field": "ui_email",
      "location": "body"
    },
    {
      "message": "Mobile Number is not valid please check if you have entered 10 digit mobile
number",
      "field": "ui_mobile",
      "location": "body"
    }
  ]
}
```

CUSTOMER REGISTRATION AND LOGIN ROUTES

Customer registration form (a customer should submit registration form & it will be verified by admin):

/customer/register_form

TYPE :

POST

Body parameters :

REQUIRED

- ui_f_name : first name of the customer
- ui_l_name : last name of the customer

- ui_mobile : mobile number of the customer
- ui_email : email of the customer
- ui_GSTIN : gstin number of the customer
- ui_PAN : pan number of the customer
- ui_password : password for the customer account

OPTIONAL

- ui_landline : landline number of the customer (optional)
- ui_altenate_email : alternate email of the customer
- ui_address : address of the customer
- ui_city : city of the customer
- ui_state : state of the customer
- ui_country : country of the customer
- ui_pincode : pincode of the customer

RESPONSE

SUCCESS

200 OK : registration form submitted

```
{
  "data": {
    "kind": "Customer Registration",
    "description": "Customer registration sucessfull",
    "items": [
      {
        "email": "sivakusi12@fsjars.com",
        "firstName": "Siva",
        "lastName": "Kusi",
        "mobile": "9381159569",
        "alternateEmail": "",
        "GSTIN": "INHKQPK0683CERG",
        "PAN": "HKQPK0836C",
        "address": "10-15, settigari palle village, divuvamasapalle post",
        "city": "chittoor",
        "state": "Andhra Pradesh",
        "country": "India",
        "pincode": "517419"
      }
    ]
  }
}
```

FAILURE:

400 bad request : duplicate details

```
{
  "type": 2,
```

```
"code": "4012",
"message": "A customer is already registered with the email or mobile or GSTIN or PAN",
"errors": []
}
```

422 unprocessable entity : validation failures

```
{
  "type": 0,
  "code": "",
  "message": "Validation failure.",
  "errors": [
    {
      "message": "Please enter valid email",
      "field": "ui_email",
      "location": "body"
    },
    {
      "message": "First name should be minimum of 3 charecters length",
      "field": "ui_f_name",
      "location": "body"
    },
    {
      "message": "Last name should be minimum of 3 charecters length",
      "field": "ui_l_name",
      "location": "body"
    },
    {
      "message": "Password should have at least 8 characters",
      "field": "ui_password",
      "location": "body"
    },
    {
      "message": "Mobile Number is not valid please check if you have entered 10 digit mobile
number",
      "field": "ui_mobile",
      "location": "body"
    },
    {
      "message": "GSTIN number should be of 15 charecter length",
      "field": "ui_GSTIN",
      "location": "body"
    },
    {
      "message": "PAN number should be of 10 charecter length",
      "field": "ui_PAN",

```

```
        "location": "body"
    }
]
}
```

500 internal error : internal server error

```
{
  "type": 2,
  "code": "4010",
  "message": "An internal error occurred. Please try again!",
  "errors": []
}
```

Customer details verification route (done by admin alone):

/customer/verify_details

TYPE :

POST

Header parameters:

REQUIRED

- x-auth-user-token: Authentication token should be provided in header.
 - o No Validation on front end.

Body parameters:

- ui_email : email of the customer

RESPONSE

SUCCESS

200 OK : verification successful

```
{
  "data": {
    "kind": "Verification of customer details",
    "description": "Customer details verified, Customer registered",
    "items": [
      [
        {
          "firstName": "Siva",
          "lastName": "Kusi",
          "address": "10-15, settigari palle village, divuvamasapalle post",
          "city": "chittoor",
          "state": "Andhra Pradesh",
          "country": "India",
          "pincode": "517419",

```

```
        "mobile": "9381258669",
        "landline": "",
        "email": "test2@test.com",
        "alternateEmail": "",
        "GSTIN": "INHKQP216P3CERG",
        "PAN": "HKQPK0152C"
    }
  ]
}
}
```

FAILURE

403 forbidden : authentication error

```
{
  "type": 4,
  "code": "2002",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

401 unauthorized error

```
{
  "type": 4,
  "code": "2003",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

400 bad request : duplicate details

```
{
  "type": 2,
  "code": "4011",
  "message": "A customer is already registered with the email or mobile or GSTIN or PAN",
  "errors": []
}
```

422 unprocessable entity: validation errors

```
{
  "type": 0,
```

```
"code": "",
"message": "Validation failure.",
"errors": [
  {
    "message": "Please enter valid email",
    "field": "ui_email",
    "location": "body"
  }
]
```

400 bad request : no details exist

```
{
  "type": 1,
  "code": "3010",
  "message": "Customer have not submitted the registration form",
  "errors": []
}
```

500 internal error : internal server error

```
{
  "type": 2,
  "code": "4013",
  "message": "An internal error occured. Please try again!",
  "errors": []
}
```

500 internal error : Internal server error

```
{
  "type": 2,
  "code": "4014",
  "message": "An internal error occured. Please try again!",
  "errors": []
}
```

500 internal error : Internal server error

```
{
  "type": 2,
  "code": "4015",
  "message": "An internal error occured. Please try again!",
  "errors": []
}
```

```
}
```

500 internal error : Internal server error

```
{
  "type": 2,
  "code": "4016",
  "message": "An internal error occurred. Please try again!",
  "errors": []
}
```

Get customers who have submitted the registration form:

/customer/registry_list

TYPE:

GET

Header parameters:

REQUIRED

- x-auth-user-token: Authentication token should be provided in header.
 - o No Validation on front end.

RESPONSE

SUCCESS

200 OK

```
{
  "data": {
    "kind": "List of customers to be verified",
    "description": "List of customers who have submitted the registration forms and pending for verification",
    "items": [
      [
        {
          "firstName": "Siva",
          "lastName": "Kusi",
          "mobile": "9381458669",
          "landline": "",
          "email": "test4@test.com",
          "alternateEmail": ""
        },
        {
          "firstName": "Siva",
          "lastName": "Kusi",
          "mobile": "9381558669",
          "landline": "",

```



```
        "email": "test5@test.com",
        "alternateEmail": ""
    }
]
}
```

FAILURE

403 forbidden : authentication error

```
{
  "type": 4,
  "code": "2002",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

401 unauthorized error

```
{
  "type": 4,
  "code": "2003",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

500 internal server error : internal error

```
{
  "type": 2,
  "code": "4017",
  "message": "An internal error occurred. Please try again!",
  "errors": []
}
```

Get details of customer based on email from registry for verification:

/customer/get_details/:ui_email

TYPE

GET

Header parameters:

REQUIRED

- x-auth-user-token: Authentication token should be provided in header.
 - o No Validation on front end.

Path parameters :

REQUIRED

ui_email : email of the user

RESPONSE

SUCCESS

200 OK : details of customer

```
{
  "data": {
    "kind": "Customer to be verified",
    "description": "A customer who have submitted the registration form and pending for verification",
    "items": [
      [
        {
          "firstName": "Siva",
          "lastName": "Kusi",
          "address": "10-15, settigari palle village, divuvamasapalle post",
          "city": "chittoor",
          "state": "Andhra Pradesh",
          "country": "India",
          "pincode": "517419",
          "mobile": "9381558669",
          "landline": "",
          "email": "test5@test.com",
          "alternateEmail": "",
          "GSTIN": "INHK5P216P3CERG",
          "PAN": "HKQPK0552C"
        }
      ]
    ]
  }
}
```

FAILURE

403 forbidden : authentication error

```
{
  "type": 4,
  "code": "2002",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

401 unauthorized error

```
{
  "type": 4,
  "code": "2003",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

422 unprocessable entity : validation errors

```
{
  "type": 0,
  "code": "",
  "message": "Validation failure.",
  "errors": [
    {
      "message": "Please enter valid email",
      "field": "ui_email",
      "location": "params"
    }
  ]
}
```

500 internal server error : error

```
{
  "type": 2,
  "code": "4027",
  "message": "An internal error occurred. Please try again!",
  "errors": []
}
```

Login route for customer

/customer/login

Type:

POST

Body Parameters:

REQUIRED

- ui_email: Email ID of the user
 - o Validation: Valid Email.
- ui_password: Password for account
 - o Validation: Min 8 characters.

Response:

SUCCESS:

200 OK:

Header:

x-auth-user-token -> Successful Authentication token

Body:

```
{
  "data": {
    "kind": "login",
    "description": "Login Successful!!!",
    "items": [
      {
        "username": "name"
      }
    ]
  }
}
```

FAILURE:

400 Bad Request: Invalid Username and Password.

```
{
  "type": 2,
  "code": "4002",
  "message": "Invalid Username or Password provided !",
  "errors": []
}
```

400 Bad Request: Validation Failures

```
{
  "type": 0,
  "code": "",
  "message": "Validation failure.",
  "errors": [
    {
      "message": "Please enter valid email",
      "field": "ui_email",
      "location": "body"
    },
    {
      "message": "Password should have at least 8 characters",
      "field": "ui_password",
      "location": "body"
    }
  ]
}
```

Change password route for the customer:

/customer/change_password

TYPE

PUT

Header parameters:

REQUIRED

- x-auth-customer-token: Authentication token should be provided in header.
 - o No Validation on front end.

Body parameters:

- ui_current_password: current password of the user
- ui_new_password: new password for the user

RESPONSE

SUCCESS

200 OK :

```
{
  "data": {
    "kind": "Update password",
    "description": "Password have been updated Sucessfully!!!",
  }
}
```

```
    "items": []
  }
}
```

FAILURE

403 forbidden : authentication error

```
{
  "type": 4,
  "code": "2002",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

401 unauthorized error

```
{
  "type": 4,
  "code": "2003",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

422 unprocessable entity : validation error

```
{
  "type": 0,
  "code": "",
  "message": "Validation failure.",
  "errors": [
    {
      "message": "Password should have at least 8 characters",
      "field": "ui_current_password",
      "location": "body"
    },
    {
      "message": "Password should have at least 8 characters",
      "field": "ui_new_password",
      "location": "body"
    }
  ]
}
```

```
]
}
```

400 bad request : invalid current password

```
{
  "type": 2,
  "code": "3013",
  "message": "Invalid Current Password provided!, Please enter correct password",
  "errors": []
}
```

Profile route for the customer:

/customer/profile

TYPE

GET

Header parameters:

REQUIRED

- x-auth-customer-token: Authentication token should be provided in header.
 - o No Validation on front end.

RESPONSE

SUCCESS

200 OK : profile details

```
{
  "data": {
    "kind": "Profile",
    "description": "Get customer's profile data",
    "items": [
      {
        "name": "Siva Kusi",
        "address": "skdvjnvekj",
        "city": "tirupathi",
        "state": "Andhra Pradesh",
        "country": "India",
        "pincode": "517419",
        "mobile": "8106302821",
        "landline": "",
        "email": "sivakusi12@gmail.com",

```

```
        "alternateEmail": "",
        "GSTIN": "INBMAOB3881KAHA",
        "PAN": "HKQPK0683K"
    }
]
}
```

FAILURE

403 forbidden : authentication error

```
{
  "type": 4,
  "code": "2002",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

401 unauthorized error

```
{
  "type": 4,
  "code": "2003",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

500 internal error : internal server error

```
{
  "type": 2,
  "code": "4025",
  "message": "An internal error occured. Please try again!",
  "errors": []
}
```

Customer update details route:

/customer/update_details

TYPE

PUT

Header parameters:

REQUIRED

- x-auth-customer-token: Authentication token should be provided in header.
 - o No Validation on front end.

Body parameters:

REQUIRED :

- ui_f_name : first name of the customer
- ui_l_name : last name of the customer
- ui_mobile : mobile number of the customer
- ui_email : email of the customer

OPTIONAL

- ui_address : address of the customer
- ui_landline : landline number of the customer (optional)
- ui_altenate_email : alternate email of the customer
- ui_city : city of the customer
- ui_state : state of the customer
- ui_country : country of the customer
- ui_pincode : pincode of the customer

RESPONSE

SUCCESS

200 ok : update successful

```
{
  "data": {
    "kind": "Customer details updation",
    "description": "The details of the customer are updated sucessfully",
    "items": [
      {
        "email": "sivakusi12@gmail.com",
        "firstName": "Siva",
        "lastName": "Kusi",
        "mobile": "9381558669",
        "alternateEmail": "",
        "address": "10-15, settigari palle village, divuvamasapalle post",
        "city": "chittoor",
        "state": "Andhra Pradesh",
        "country": "India",
```

```
        "pincode": "517419"
    }
]
}
}
```

FAILURE

403 forbidden : authentication error

```
{
  "type": 4,
  "code": "2002",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

401 unauthorized error

```
{
  "type": 4,
  "code": "2003",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

500 internal error : internal server error

```
{
  "type": 2,
  "code": "4026",
  "message": "An internal error occurred. Please try again!",
  "errors": []
}
```

422 unprocessable entity : validation errors

```
{
  "type": 0,
  "code": "",
  "message": "Validation failure.",
}
```

```
"errors": [
{
  "type": 0,
  "code": "",
  "message": "Validation failure.",
  "errors": [
    {
      "message": "Please enter valid email",
      "field": "ui_email",
      "location": "body"
    },
    {
      "message": "First name should be minimum of 3 charecters length",
      "field": "ui_f_name",
      "location": "body"
    },
    {
      "message": "Last name should be minimum of 3 charecters length",
      "field": "ui_l_name",
      "location": "body"
    },
    {
      "message": "Password should have at least 8 characters",
      "field": "ui_password",
      "location": "body"
    },
    {
      "message": "Mobile Number is not valid please check if you have entered 10 digit mobile
number",
      "field": "ui_mobile",
      "location": "body"
    },
    {
      "message": "present city should be minimum of 3 charecters length",
      "field": "ui_city",
      "location": "body"
    },
    {
      "message": "present state should be minimum of 3 charecters length",
      "field": "ui_state",
      "location": "body"
    },
    {
      "message": "present pincode should not exceed maximum of 10 charecters length",
      "field": "ui_pincode",
```

```

        "location": "body"
    },
    {
        "message": "present country should be minimum of 3 charecters length",
        "field": "ui_country",
        "location": "body"
    }
]
}

```

CATEGORY MANAGEMENT ROUTES

Route to add categories(done only by admin):

/category/add

TYPE :

POST

Header parameters:

REQUIRED

- x-auth-user-token: Authentication token should be provided in header.
 - o No Validation on front end.

Body parameters :

- ui_name : Name of the category
- ui_description : description

RESPONSE

SUCCESS

200 OK : category addition

```

{
  "data": {
    "kind": "Category Addition",
    "description": "Category added to the list of categories",
    "items": {
      "name": "Test Category",
      "description": "Some description about the "
    }
  }
}

```

FAILURE

403 forbidden : authentication error

```
{
  "type": 4,
  "code": "2002",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

401 unauthorized error

```
{
  "type": 4,
  "code": "2003",
  "message": "You are not authorized to access this resource. Please login again.",
  "errors": []
}
```

500 internal error : internal server error

```
{
  "type": 2,
  "code": "4018",
  "message": "An internal error occurred. Please try again!",
  "errors": []
}
```

400 bad request : duplicate entry

```
{
  "type": 2,
  "code": "4022",
  "message": "Insertion not possible, Category with the given name already exists..!",
  "errors": []
}
```

Route to get Category list of names :

`/category/list`

TYPE :

GET

RESPONSE

SUCCESS

200 OK : List of categories

```
{
  "data": {
    "kind": "Category list",
    "description": "List of categories",
    "items": [
      {
        "id": 4,
        "name": "Earth Movers"
      },
      {
        "id": 1,
        "name": "Electronics"
      },
      {
        "id": 2,
        "name": "Mobiles"
      },
      {
        "id": 5,
        "name": "Test Categoru"
      },
      {
        "id": 6,
        "name": "Test Category"
      },
      {
        "id": 9,
        "name": "Test Category 1"
      },
      {
        "id": 10,
        "name": "Test Category 2"
      }
    ]
  }
}
```

```
}
]
}
}
```

FAILURE

500 : Internal server error : internal error

```
{
  "type": 2,
  "code": "4019",
  "message": "An internal error occurred. Please try again!",
  "errors": []
}
```

Route to get Category list of names :

/category/list?name=?

TYPE :

GET

Query Parameters :

- Name : character's which contain in the category

RESPONSE

SUCCESS

200 OK : List of categories

Ex: Route : /category/list?name=ea

```
{
  "data": {
    "kind": "Category list",
    "description": "List of categories",
    "items": [
      {
        "id": 4,
        "name": "Earth Movers"
      }
    ]
  }
}
```

```
}  
}
```

FAILURE

500 : Internal server error : internal error

```
{  
  "type": 2,  
  "code": "4019",  
  "message": "An internal error occurred. Please try again!",  
  "errors": []  
}
```

Category details by the category id:

/category/details/:ui_id

TYPE :

GET

Path parameters :

- ui_id: id of the category

RESPONSE

SUCCESS

200 OK: details of the category based on the id

```
{  
  "data": {  
    "kind": "Category details",  
    "description": "Details of the category",  
    "items": [  
      {  
        "cat_description": "Some description about the "  
      }  
    ]  
  }  
}
```


FAILURE

500 : Internal server error : internal error

```
{
  "type": 2,
  "code": "4028",
  "message": "An internal error occurred. Please try again!",
  "errors": []
}
```

Route to update details of the category:(done only by an admin)

/category/modify

TYPE

GET

Header parameters:

REQUIRED

- x-auth-user-token: Authentication token should be provided in header.
 - o No Validation on front end.

Body parameters :

- ui_name : Name of the category
- ui_description : description of category
- ui_id : id of the category

RESPONSE

SUCCESS

200 OK : modification of category details

```
{
  "data": {
    "kind": "Category Modification",
    "description": "Category modification successful..",
    "items": {
      "name": "Test Category 3",
      "description": "Some description about the "
    }
  }
}
```

FAILURE

500 internal server error : internal error

```
{
  "type": 2,
```

```
"code": "4020",
"message": "An internal error occurred. Please try again!",
"errors": []
}
```

400 bad request : duplicate details

```
{
  "type": 2,
  "code": "4021",
  "message": "Update not possible, Category with the given name already exists..!",
  "errors": []
}
```

SUB CATEGORY MANAGEMENT ROUTES

Route to add sub categories(done only by admin):

/sub_category/add

TYPE :

POST

Header parameters:

REQUIRED

- x-auth-user-token: Authentication token should be provided in header.
 - o No Validation on front end.

Body parameters :

- ui_name : Name of the category
- ui_description : description
- ui_category_id : category id that it belongs to

RESPONSE

SUCCESS

200 OK : category addition

```
{
  "data": {
    "kind": "Sub category Addition",
    "description": "SUB category added to the list of categories",
    "items": {
      "name": "Sub Category 1",
      "description": "Some description about the ",
      "categoryId": 1
    }
  }
}
```

```
}  
}  
}
```

FAILURE

403 forbidden : authentication error

```
{  
  "type": 4,  
  "code": "2002",  
  "message": "You are not authorized to access this resource. Please login again.",  
  "errors": []  
}
```

401 unauthorized error

```
{  
  "type": 4,  
  "code": "2003",  
  "message": "You are not authorized to access this resource. Please login again.",  
  "errors": []  
}
```

500 internal error : internal server error

```
{  
  "type": 2,  
  "code": "4030",  
  "message": "An internal error occurred. Please try again!",  
  "errors": []  
}
```

400 bad request : duplicate entry

```
{  
  "type": 2,  
  "code": "4029",  
  "message": "Insertion not possible, Sub Category with the given name already exists..!",  
  "errors": []  
}
```

Route to get sub category list of names :

/sub_category/list

TYPE :

GET

RESPONSE

SUCCESS

200 OK : List of sub categories

```
{
  "data": {
    "kind": "Sub category list",
    "description": "List of sub categories in a category",
    "items": [
      {
        "id": 7,
        "name": "ABC"
      },
      {
        "id": 11,
        "name": "BCD"
      },
      {
        "id": 16,
        "name": "CDE"
      },
      {
        "id": 24,
        "name": "Sub Category 1"
      },
      {
        "id": 3,
        "name": "Test sub Category 3"
      }
    ]
  }
}
```

```
}
```

FAILURE

500 : Internal server error : internal error

```
{
  "type": 2,
  "code": "4031",
  "message": "An internal error occurred. Please try again!",
  "errors": []
}
```

Route to get sub category list of names :

/sub_category/list?name=?

TYPE :

GET

Query Parameters :

- Name : character's which contain in the sub category

RESPONSE

SUCCESS

200 OK : List of categories

Ex: Route : /sub_category/list?name=A

```
{
  "data": {
    "kind": "sub category list",
    "description": "List of sub categories in a category",
    "items": [
      {
        "id": 7,
        "name": "ABC"
      },
      {
        "id": 24,
        "name": "Sub Category 1"
      },
    ]
  }
}
```

```
{
  {
    "id": 3,
    "name": "Test sub Category 3"
  }
}
```

FAILURE

500 : Internal server error : internal error

```
{
  "type": 2,
  "code": "4031",
  "message": "An internal error occurred. Please try again!",
  "errors": []
}
```

Sub category details by the category id:

/sub_category/details/:ui_id

TYPE :

GET

Path parameters :

- ui_id: id of the category

RESPONSE

SUCCESS

200 OK: details of the category based on the id

```
{
  "data": {
    "kind": "Sub category details",
    "description": "Details of the sub category",
    "items": [
      {
        "sub_cat_description": "Some description about the "
      }
    ]
  }
}
```

```
}  
}
```

FAILURE

500 : Internal server error : internal error

```
{  
  "type": 2,  
  "code": "4032",  
  "message": "An internal error occurred. Please try again!",  
  "errors": []  
}
```

Route to update details of the sub category:(done only by an admin)

/sub_category/modify

TYPE

GET

Header parameters:

REQUIRED

- x-auth-user-token: Authentication token should be provided in header.
 - o No Validation on front end.

Body parameters :

- ui_id : id of the sub category which is internally spread
- ui_name : name of the sub category
- ui_description : description of category
- ui_category_id : category id of the sub category which it belongs

RESPONSE

SUCCESS

200 OK : modification of category details

```
{  
  "data": {  
    "kind": "Sub category Modification",  
    "description": "Sub category modification successful..",  
    "items": {  
      "name": "Sub Category 1",  
      "description": "Some description about the "  
    }  
  }  
}
```

FAILURE

500 internal server error : internal error

```
{  
  "type": 2,  
  "code": "4034",  
  "message": "An internal error occurred. Please try again!",  
  "errors": []  
}
```

400 bad request : duplicate details

```
{  
  "type": 2,  
  "code": "4033",  
  "message": "Update not possible, Category with the given name already exists..!",  
  "errors": []  
}
```
