

INDEX

1. [SIGN IN API](#)
2. [SIGN UP API](#)
3. COURSE API
 - a. [GET ALL COURSES](#)
 - b. [GET INDIVIDUAL COURSE](#)
 - c. [ADD NEW COURSE](#)
 - d. [EDIT EXISTING COURSE](#)
4. USER API
 - a. [GET ALL USERS](#)
 - b. [GET INDIVIDUAL USER](#)
5. FORGOT PASSWORD API
 - a. [VALIDATE USER](#)
 - b. [VALIDATE OTP](#)
 - c. [RESET PASSWORD](#)
6. DISTRIBUTORS API
 - a. [Get All Distributors Based on User Zip](#)
 - b. [GET ALL DISTRIBUTORS](#)
 - c. [GET INDIVIDUAL DISTRIBUTORS](#)
 - d. [ADD DISTRIBUTORS](#)
 - e. [EDIT DISTRIBUTORS](#)
7. NOTIFICATION SETTING API
 - a. [UPDATE SETTINGS](#)
8. CHANGE PASSWORD API
 - a. [CHANGE PASSWORD](#)

GETTING STARTED

Our API and CMS application is now hosted in data-prod. The given below is the URL of our hosted APIs:

<http://data-prod/Aquatrols-FBAG/>

SIGN IN API [\[SCROLL TOP\]](#)

1. Introduction:

This service is to allow any registered user to get access/avail Aquatrols services. The provider must send request to the URL given below to get user authenticated. The sign in API will also return User Id and Username if authentication is successful.

2. URL: <http://data-prod/Aquatrols-FBAG/api/account/signin>

3. Request Parameters:

Parameters	Data Type	Validation
username	string	Required
password	string	Required

```
{  
  "username": "Aquatrols@Chetu.com",  
  "password": "Chetu@123"  
}
```

4. Response Parameter:

Parameters	Data Type	Description
userId	string	
userName	string	
operationStatus	string	Success or Error
operationMessage	string	
token	string	This parameter will store the token on successful authentication or else it will be assign null.

```
{  
  "userId": "717ce0d5-f7bb-4820-b9f9-6422cacbb9f3",  
  "userName": "aquatrols@gmail.com",  
  "operationStatus": "Success",  
  "operationMessage": "Login Success",  
  "token":  
  "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJlbWFpbCI6ImFxdWF0cm9sc0BnbWFpbC5jb20iLCJqdGkiOiJmjk3NTkwMC01YWVmLTQzNDAtOTRhNC00OGUzZTA5YmExOTYiLCJodHRwOi8vc2NoZW1hcy54bWxzb2FwLm9yZy93cy8yMDA1L"  
}
```

1. Introduction:

As per the latest update, there will be one-one mapping between the user and the course.

Please call the API to [get the list of all courses](#) from which the user can choose his relevant course.

2. URL: <http://data-prod/Aquatrols-FBAG/api/account/signup>

3. Request Parameters:

Parameters	Data Type	Validation
FirstName	string	Required
LastName	string	Required
CourseId	int	Required
PhoneNumber	string	
email	string	Required
Password	string	Required
ConfirmPassword	string	Required

```
{
  "firstName": "Rahul",
  "lastName": "Pundir",
  "courseId": 3,
  "email": "rahul@chetu.com",
  "password": "Chetu@123",
  "confirmPassword": "Chetu@123",
  "phoneNumber": "1234567890"
}
```

4. Response Parameter:

Parameters	Data Type	Description
operationStatus	string	Success or Error
operationMessage	string	Required

```
{
  "operationStatus": "Success",
  "operationMessage": "Registration Successful"
}
{
  "operationStatus": "Error",
  "operationMessage": "User name 'example@chetu.com' is already taken."
}
```

COURSE API

a. Get All Course List **[SCROLL TOP]**

a. Introduction:

This API will return all the courses for user to choose. Please call this API in the sign up form to allow user to choose his relevant course.

Bearer Token: Not needed to call this API

b. URL: <http://data-prod/Aquatrols-FBAG/api/Courses/List>

c. Response Parameter:

Parameters	Data Type
courseId	int
courseName	string
address	string
city	string
state	string
country	string
zip	string

```
[
  {
    "courseId": 4,
    "courseName": "Dummy Course Country Club",
    "address": "Noida",
    "city": "Noida",
    "state": "UP",
    "country": "India",
    "zip": "1202"
  }
]

{
  "operationStatus": "Error",
  "operationMessage": "Record not found"
}
```

b. Get Individual Course**[\[SCROLL TOP\]](#)****a. Introduction:**

This API will return the detail of individual course based on its course id. This API will be used by Admin to manage the course detail.

Note: As per latest update the '**isAssigned**' parameter doesn't play any role during sign up.

Bearer Token: Not needed to call this API

b. URL: <http://data-prod/Aquatrols-FBAG/api/Courses/Detail/CourseId>

c. Response Parameter

Parameters	Data Type
courseId	int
courseName	string
address	string
city	string
state	string
country	string
zip	string
isAssigned	boolean

```
{  
  "courseId": 1,  
  "courseName": "Mercer1 Point Country Club",  
  "address": "Noida",  
  "city": "Noida",  
  "state": "UP",  
  "country": "India",  
  "zip": "1202",  
  "isAssigned": true  
}
```

c. [Add New Course](#) [\[SCROLL TOP\]](#)

a. Introduction:

This API can be used to add new courses. No two courses with save name and address can be saved.

Bearer Token: Not needed to call this API

b. URL: <http://data-prod/Aquatrols-FBAG/api/Courses/Save>

c. Request Parameter

Parameters	Data Type	Validation
courseName	string	Required
address	string	Required
city	string	Required
state	string	Required
country	string	Required
zip	string	Required

```
{
  "courseName": "New Course 1",
  "address": "Address 1",
  "city": "City 1",
  "state": "State 1",
  "country": "Country 1",
  "zip": "1111"
}
```

d. Response Parameter

Parameters	Description
operationStatus	Success/ Error
operationMessage	If record is inserted successfully CourseId will be returned in this parameter.

The following is the JSON representation of the response.

```
{
  "operationStatus": "Success",
  "operationMessage": "3"
}

{
  "operationStatus": "Error",
  "operationMessage": "already exists!"
}
```

d. [Edit Existing Course](#)

[\[SCROLL TOP\]](#)

a. Introduction:

This API can be used to edit any existing course information. No two courses with same name and address can be saved.

Bearer Token: Not needed to call this API

b. URL: <http://data-prod/Aquatrols-FBAG/api/Courses/Save>

c. Request Parameter

Parameters	Data Type	Validation
courseId	int	Required
courseName	string	Required
address	string	Required
city	string	Required
state	string	Required
country	string	Required
zip	string	Required

```
{
  "courseId": 5,
  "courseName": "New Course 2",
  "address": "Address 2",
  "city": "City 2",
  "state": "State 2",
  "country": "Country 2",
  "zip": "222"
}
```

d. Response Parameter

The following is the JSON representation of the response.

```
{
  "operationStatus": "Success",
  "operationMessage": "Record inserted successfully."
}
{
  "operationStatus": "Error",
  "operationMessage": "already exists!"
}
```

USER API

1. Get All Users: [\[SCROLL TOP\]](#)

a. Introduction:

This service will return the list of all registered users. To get the list, provider must send a GET request to the URL given below.

Kindly note the new parameters in the response. The user's role is also returned in the response.

Bearer Token: Needed to call this API

b. **URL:** <http://data-prod/Aquatrols-FBAG/api/user/list>

c. Request:

Parameters	Description
Bearer Token	Use the token that was generated after successful user sign in.

d. Response Parameter

```
{
  "userId": "39ff0a6a-2928-4e1b-bbe8-5963243b6e9c",
  "firstName": "Rahul",
  "lastName": "Pundir",
  "phoneNumber": "1234567890",
  "userId": 2,
  "userStatus": "Normal",
  "isActive": true,
  "courseId": 3,
  "courseName": "Merger Country Club",
  "courseAddress": "A-154",
  "courseCity": "Noida",
  "courseState": "UP",
  "courseCountry": "India",
  "courseZip": "110003",
  "totalPoints": 0,
  "availablePoints": 0,
  "roleId": "408e599d-56c2-4532-9901-38a088372002",
  "userRole": "User",
  "isEmailPreference": true,
  "emailPreference": "Yes",
  "isNotification": true,
  "notification": "Yes",
  "isApproved": 1,
  "approvedStatus": "Approved",
  "createdOn": "2018-06-19T09:35:57.5561606"
}
```


2. [Get Individual User:](#)

[\[SCROLL TOP\]](#)

a. Introduction:

This service will return detail of individual user based on its user id. To get the detail, provider must send GET request to the URL given below.

Bearer Token: Needed to call this API

b. **URL:** <http://data-prod/Aquatrols-FBAG/api/user/detail/UserId>

c. Request:

Parameters	Description
Bearer Token	Use the token that was generated after successful user sign in.

d. Response Parameter

```
{
  "userId": "39ff0a6a-2928-4e1b-bbe8-5963243b6e9c",
  "firstName": "Rahul",
  "lastName": "Pundir",
  "phoneNumber": "1234567890",
  "userId": 2,
  "userStatus": "Normal",
  "isActive": true,
  "courseId": 3,
  "courseName": "Merger Country Club",
  "courseAddress": "A-154",
  "courseCity": "Noida",
  "courseState": "UP",
  "courseCountry": "India",
  "courseZip": "110003",
  "totalPoints": 0,
  "availablePoints": 0,
  "roleId": "408e599d-56c2-4532-9901-38a088372002",
  "userRole": "User",
  "isEmailPreference": true,
  "emailPreference": "Yes",
  "isNotification": true,
  "notification": "Yes",
  "isApproved": 1,
  "approvedStatus": "Approved",
  "createdOn": "2018-06-19T09:35:57.5561606"
}
```

FORGOT PASSWORD API

1. Validate User: [\[SCROLL TOP\]](#)

a. Introduction:

This is the first service which will validate the Username requested by the user to initiate the “forgot password” process. Once the username validation is successful, the user will receive a 4 digits OTP send to the registered email address.

b. URL: <http://data-prod/Aquatrols-FBAG/api/Account/SendOTP>

c. Request:

This method is of type POST. The following parameters must be posted along with your request body.

Parameters	Datatype	Description
username	String	The username as provided by the user during user sign up. The username must be a valid email

```
{
  "username": "Aquatrols@gmail.com"
}
```

d. Response Parameter

This method will return the UserId which is required to pass in the next API service for validating the OTP. The developer is requested to store the user id value.

Parameters	Data type	Descriptions
UserId	String	The user id of the requested username.

Below is the JSON format for sending the request:

```
{
  "userId": "717ce0d5-f7bb-4820-b9f9-6422cacbb9f3",
  "userName": null,
  "token": null,
  "operationStatus": "Success",
  "operationMessage": "success"
}
```

2. [Validate OTP](#)

[\[SCROLL TOP\]](#)

a. Introduction

This is the second service in sequence that need to be called. It will validate the OTP that user has received in his/her registered email.

b. **Url:** <http://data-prod/Aquatrols-FBAG/api/Account/ValidateOTP>

c. Request parameter

This method is of type POST. The following parameters must be posted along with your request body.

Parameters	Data Type	Descriptions
UserId	string	The user id that was received as response from the "SendOTP" API service
OTP	int	The OTP as received in the registered email

Below is the JSON format for sending the request:

```
{
  "UserId": "717ce0d5-f7bb-4820-b9f9-6422cacbb9f3",
  "OTP": 9776
}
```

d. Response Parameter

This method will return the User Id and a Token which is required to pass in the next API service for resetting a new password. The developer is requested to store these response for next subsequent call.

Parameters	Data Type	Descriptions
UserId	String	The user id of the requested username.
token	String	A token will be send as a response once the OTP is validated.

Below is the JSON format for sending the request:

```
{
  "userId": "717ce0d5-f7bb-4820-b9f9-6422cacbb9f3",
  "userName": null,
  "token":
  "CfDJ8ADYiKhgGtFAvgH3CtpqPGwbPE+eLEWfIdveEPtV2NYD3dLVBR45fc2eY/pJ3RhN3IB/
  ee4g2SefgF5WNoUNP2mCDNBVbL10LddIWk3A+EqzkIBL+6wSTAqp3OGipuMHU9aucCEd
  hfqn1yNLfsBc60arBgpMfELZicd8IYDKU99n7242EbL6sdz1W6GpuY/zOi1ExsF3Z/K1o/IYvkk
  EVUSNGo9/HTxafqST1S/ybZLu0W4RwP7pMO1XoJhvHcLHMw==",
  "operationStatus": "Success",
  "operationMessage": "OTP is valid"
}
```

3. [Reset Password](#)

[\[SCROLL TOP\]](#)

a. Introduction

This is the last service in sequence that needs to be called. It will reset the user password with new password.

b. **Url:** <http://data-prod/Aquatrols-FBAG/api/Account/ResetPassword>

c. Request parameter

This method is of type POST. The following parameters must be posted along with your request body. The developer need to pass the user id and the token along with the new password as requested by the user.

Parameters	Data Type	Descriptions
Password	String	The new password as requested by the user.
ConfirmPassword	String	Password validation
UserId	String	The user id received as response from the previous API call.
token	String	The token received as response from the previous API call.

Below is the JSON format for sending the request:

```
{
  "Password": "Chetu@123",
  "ConfirmPassword": "Chetu@123",
  "UserId": "717ce0d5-f7bb-4820-b9f9-6422cacbb9f3",
  "token":
    "CfDJ8ADYiKhgGtFAvgH3CtpqPGw/LmLOhYUMetwqekcycGuOc2mM+kXeRD+l0p+q9S5itA
    95vCsCUxloARU7G+356Ez3L2ZB48s+7swzP3Z+l5t7w/5rqcdfmIK1ChhSxMGxGmhPVN8ac
    mOxPkSn/qRfytoMGHla75nEVngEverBplH0wCv1k2NqxusJMO7yQsZ+VMsGf8at8TO/sWZ
    8pKjgcDuFUcLrjp+PZ9X5swiflzBSkhS/l8aGr5pAqOePRpZzIA=="
}
```

d. Response Parameter

This method will return the User Id and a Token which is required to pass in the next API service for resetting a new password. The developer is requested to store these response for next subsequent call.

Parameters	Data Type	Descriptions
operationStatus	String	This parameter will always return either Success or Error in string format.
operationMessage	String	This parameter will store the description of the response.

Below is the JSON format for sending the request:

```
{
  "operationStatus": "Error",
  "operationMessage": "Invalid token."
}
```

DISTRIBUTORS API

1. Get All Distributors Based on User Zip

[\[SCROLL TOP\]](#)

a. Introduction:

This service will return the list of all distributors based on the zip of the course that a user has opted. To get the list, provider must send a GET request to the URL given below.

Bearer Token: Needed to call this API

b. URL: <http://data-prod/Aquatrols-FBAG/api/distributor/list/user/userId>

c. Response Parameter:

On success

Parameters	Data Type
distributorId	int
distributorName	string
address	string
city	string
state	string
country	string
zip	string

```
[
  {
    "distributorId": 2,
    "distributorName": "Agriculture Distributor",
    "address": "A-154",
    "city": "Noida",
    "state": "UP",
    "country": "India",
    "zip": "11224"
  }
]
```

On Error

Parameters	Data Type	Description
operationStatus	string	Success or Error
operationMessage	string	Required

```
{
  "operationStatus": "Error",
  "operationMessage": "Bad Request"
}
```

2. [Get All Distributors](#)

[\[SCROLL TOP\]](#)

a. Introduction:

This service will return the list of all distributors. To get the list, provider must send a GET request to the URL given below.

Bearer Token: Needed to call this API

b. URL: <http://data-prod/Aquatrols-FBAG/api/distributor/list>

c. Response Parameter:

On success

Parameters	Data Type
distributorId	int
distributorName	string
address	string
city	string
state	string
country	string
zip	string

```
[
  {
    "distributorId": 2,
    "distributorName": "Agriculture Distributor",
    "address": "A-154",
    "city": "Noida",
    "state": "UP",
    "country": "India",
    "zip": "11224"
  }
]
```

On Error

Parameters	Data Type	Description
operationStatus	string	Success or Error
operationMessage	string	Required

```
{
  "operationStatus": "Error",
  "operationMessage": "Bad Request"
}
```

3. [Get Individual Distributors](#)

[\[SCROLL TOP\]](#)

a. Introduction:

This service will return detail of individual distributor based on its id. To get the detail, provider must send GET request to the URL given below.

Bearer Token: Needed to call this API

b. URL: <http://data-prod/Aquatrols-FBAG/api/distributor/detail/departmentId>

c. Response Parameter:

On success

Parameters	Data Type
distributorId	int
distributorName	string
address	string
city	string
state	string
country	string
zip	string

```
{
  "distributorId": 2,
  "distributorName": "Agriculture Distributor",
  "address": "A-154",
  "city": "Noida",
  "state": "UP",
  "country": "India",
  "zip": "11224"
}
```

On Error

Parameters	Data Type	Description
operationStatus	string	Success or Error
operationMessage	string	Operation Message

```
{
  "operationStatus": "Error",
  "operationMessage": "Record not found"
}
```

4. [Add Distributors](#) [\[SCROLL TOP\]](#)

a. Introduction:

This service is for admin use only. It will be used to add new distributor.

Bearer Token: Needed to call this API

b. **URL:** <http://data-prod/Aquatrols-FBAG/api/distributor/save>

c. Request Parameter:

Parameters	Data Type	Validation
distributorName	String	Required
address	String	Required
city	String	Required
state	String	Required
country	String	Required
zip	String	Required
UserId	String	Required

```
{
  "distributorName": "Test2 Distributors",
  "address": null,
  "city": null,
  "state": null,
  "country": null,
  "zip": null,
  "UserId": "c4afb5ed-0279-429b-b37a-ed15ffe2ecca"
}
```

d. Response Parameter:

On success

Parameters	Data Type	Description
operationStatus	string	Success or Error
operationMessage	string	Operation Message

```
{
  "operationStatus": "Success",
  "operationMessage": "Record saved successfully"
}
```

On Error

Parameters	Data Type	Description
operationStatus	string	Success or Error
operationMessage	string	Operation Message

```
{
  "operationStatus": "Error",
  "operationMessage": "already exist"
}
```


5. [Edit Distributors](#) [\[SCROLL TOP\]](#)

a. Introduction:

This service is for admin use only. It will be used to edit any existing distributor.

Bearer Token: Needed to call this API

b. **URL:** <http://data-prod/Aquatrols-FBAG/api/distributor/save>

c. Request Parameter:

Parameters	Data Type
distributorId	int
distributorName	String
distributorName	String
address	String
city	String
state	String
country	String
zip	String
UserId	String

```
{
  "distributorId": 10,
  "distributorName": "Test2 Distributors",
  "address": null,
  "city": null,
  "state": null,
  "country": null,
  "zip": null,
  "UserId": "c4afb5ed-0279-429b-b37a-ed15ffe2ecca"
}
```

d. Response Parameter:

On success

Parameters	Data Type	Description
operationStatus	string	Success or Error
operationMessage	string	Operation Message

```
{
  "operationStatus": "Success",
  "operationMessage": "Record updated successfully."
}
```

On Error

Parameters	Data Type	Description
operationStatus	string	Success or Error
operationMessage	string	Operation Message

```
{
  "operationStatus": "Error",
  "operationMessage": "already exist"
}
```

NOTIFICATION SETTING API

1. Update Notification Settings

[\[SCROLL TOP\]](#)

a. Introduction:

This service can be used to update Email Preference and Push Notification settings

Bearer Token: Needed to call this API

b. URL: `http://data-prod/Aquatrols-FBAG/api/user/Notifications`

c. Request Parameter:

Parameters	Data Type
UserId	string
isEmailPreference	boolean
isNotification	boolean

```
{
  "UserId": "233c3769-64e4-43d7-8523-c0ad5bb5123d",
  "isEmailPreference": true ,
  "isNotification":false
}
```

d. Response Parameter:

On success

```
{
  "operationStatus": "Success",
  "operationMessage": "Notification settings updated"
}
```

On Error

```
{
  "operationStatus": "Error",
  "operationMessage": "No Record Found"
}
```

CHANGE PASSWORD API

1. Change Password

[\[SCROLL TOP\]](#)

a. Introduction:

This service can be used to allow user to change the existing password.

Bearer Token: Needed to call this API

b. URL: <http://data-prod/Aquatrols-FBAG/api/account/ChangePassword>

c. Request Parameter:

Parameters	Data Type
userId	string
currentPassword	string
newPassword	string
confirmPassword	string

```
{
  "userId": "2adc24cb-9aa3-4fc8-aabe-dd60cb7590e5",
  "currentPassword": "Chetu@123",
  "newPassword": "Sahi@123",
  "confirmPassword": "Sahi@123"
}
```

e. Response Parameter:

On success

```
{
  "operationStatus": "Success",
  "operationMessage": "Password changed successfully"
}
```

On Error

```
{
  "operationStatus": "Error",
  "operationMessage": "Incorrect password."
}
```