**API Request Response Sample**

**Users**

**1. GET -** API to list all users

Request URL:

http://localhost:9082/subscriptionservice/users

**2. POST -** API to create a new user

Request URL:

http://localhost:9082/subscriptionservice/users

Body:

{

"email": "user1@gmail.com",

"firstName": "Santosh",

"lastName": "Pandey"

}

Response:

{

"id": 2,

"firstName": "Santosh",

"lastName": "Pandey",

"email": "user1@gmail.com"

}

**Products**

**1. GET -** API to find all existing products (This will also show the list of vouchers applicable for particular product)

Request URL:

http://localhost:9082/subscriptionservice/products

Output:

[

{

"id": 1,

"name": "PRODUCT 1",

"description": "DESCRIPTION FOR PRODUCT 1",

"active": true,

"vouchers": [

{

"id": 2,

"name": "Voucher 2",

"voucherType": "PERCENTAGE",

"active": true,

"fixedAmount": 0,

"percentage": 3

},

{

"id": 1,

"name": "Voucher 1",

"voucherType": "FIXED\_AMOUNT",

"active": true,

"fixedAmount": 20,

"percentage": 0

}

]

},

{

"id": 2,

"name": "PRODUCT 2",

"description": "DESCRIPTION FOR PRODUCT 2",

"active": true,

"vouchers": [

{

"id": 1,

"name": "Voucher 1",

"voucherType": "FIXED\_AMOUNT",

"active": true,

"fixedAmount": 20,

"percentage": 0

},

{

"id": 4,

"name": "Voucher 4",

"voucherType": "FIXED\_AMOUNT",

"active": true,

"fixedAmount": 10,

"percentage": 0

}

]

}

]

**2. GET -** API to get single product by product id

Request URL:

[http://localhost:9082/subscriptionservice/products/{productId](http://localhost:9082/subscriptionservice/products/{productId})}

**3. GET** - API to get all products for a perticular voucher by voucher id

Request URL:

[http://localhost:9082/subscriptionservice/products/vouchers/{voucherId](http://localhost:9082/subscriptionservice/products/vouchers/{voucherId})}

**Subscription Plan**

**1. GET** - API to get subscription plan for a product by product id

Request URL:

<http://localhost:9082/subscriptionservice/subscriptionplans?productId>[={productId}](http://localhost:9082/subscriptionservice/subscriptionplans?productId={productId})

Example:

http://localhost:9083/subscriptionservice/subscriptionplans?productId=1

Response:

{

"id": 1,

"pricePerMonth": 6,

"subscriptionType": "MONTHLY",

"basePrice": 6,

"taxAmount": 0.12,

"totalPrice": 6.12

}

**Vouchers**

**1. GET** - API to get all vouchers

Request URL:

http://localhost:9082/subscriptionservice/vouchers

Response:

[

{

"id": 1,

"name": "Voucher 1",

"voucherType": "FIXED\_AMOUNT",

"active": true,

"fixedAmount": 20,

"percentage": 0

},

{

"id": 2,

"name": "Voucher 2",

"voucherType": "PERCENTAGE",

"active": true,

"fixedAmount": 0,

"percentage": 3

},

{

"id": 3,

"name": "Voucher 3",

"voucherType": "PERCENTAGE",

"active": true,

"fixedAmount": 0,

"percentage": 2

},

{

"id": 4,

"name": "Voucher 4",

"voucherType": "FIXED\_AMOUNT",

"active": true,

"fixedAmount": 10,

"percentage": 0

}

]

**Subscriptions**

**1. GET** - API to get all subscriptions for a user by user email

Request URL:

[http://localhost:9082/subscriptionservice/subscriptions?userEmail={email}](http://localhost:9082/subscriptionservice/subscriptions?userEmail=sp2@gmail.com)

Example:

[http://localhost:9082/subscriptionservice/subscriptions?userEmail=user1@gmail.com](http://localhost:9082/subscriptionservice/subscriptions?userEmail=sp2@gmail.com)

[

{

"id": 6,

"startDate": "2021-01-24 19:56:44",

"endDate": "2021-07-23 19:56:44",

"duration": "0 years, 5 months, 29 days, 0 hours, 0 minutes, 0 seconds",

"subscriptionType": "HALF\_YEARLY",

"subscriptionStatus": "ACTIVE",

"basePrice": 48,

"discountAmount": 20,

"taxAmount": 0.96,

"totalPrice": 28.96,

"productId": 2,

"userEmail": "user1@gmail.com",

"trialActive": false

},

{

"id": 7,

"startDate": "2021-02-23 20:04:12",

"endDate": "2021-08-22 20:04:12",

"duration": "0 years, 5 months, 30 days, 0 hours, 0 minutes, 0 seconds",

"subscriptionType": "HALF\_YEARLY",

"subscriptionStatus": "ACTIVE",

"basePrice": 36,

"discountAmount": 20,

"taxAmount": 0.72,

"totalPrice": 16.72,

"productId": 1,

"userEmail": "user1@gmail.com",

"trialActive": true

}

]

**2. POST -** API to create new subscription i.e. to subscribe a new product

Request URL:

[http://localhost:9082/subscriptionservice/subscriptions](http://localhost:9082/subscriptionservice/subscriptions?userEmail=sp2@gmail.com)

Body:

{

"subscriptionType": "HALF\_YEARLY",

"productId": 1,

"userEmail": "user1@gmail.com",

"voucherId":1,

"trialActive":true

}

Response:

{

"id": 7,

"startDate": "2021-02-23 20:04:12",

"endDate": "2021-08-22 20:04:12",

"duration": "0 years, 5 months, 30 days, 0 hours, 0 minutes, 0 seconds",

"subscriptionType": "HALF\_YEARLY",

"subscriptionStatus": "ACTIVE",

"basePrice": 36,

"discountAmount": 20,

"taxAmount": 0.72,

"totalPrice": 16.72,

"productId": 1,

"userEmail": "user1@gmail.com",

"trialActive": true

}

**3. PATCH -** API to cancel/pause/unpause a subscription

Request URL:

<http://localhost:9082/subscriptionservice/subscriptions/{subscriptionId}/status?status={status}>

Where {status} = ***ACTIVE/CANCEL/PAUSE***

Example 1:

http://localhost:9083/subscriptionservice/subscriptions/6/status?status=PAUSE

Response:

{

"id": 6,

"startDate": "2021-01-24 19:56:44",

"endDate": "2021-07-23 19:56:44",

"duration": "0 years, 5 months, 29 days, 0 hours, 0 minutes, 0 seconds",

"subscriptionType": "HALF\_YEARLY",

"subscriptionStatus": "PAUSE",

"basePrice": 48,

"discountAmount": 20,

"taxAmount": 0.96,

"totalPrice": 28.96,

"productId": 2,

"userEmail": "user1@gmail.com",

"trialActive": false

}

Example 2:

http://localhost:9083/subscriptionservice/subscriptions/7/status?status=PAUSE

Response:

{

"timeStamp": "2021-01-24 20:10:38",

"code": 409,

"status": "CONFLICT",

"errorMessages": [

"Subscription could not pause during trial."

]

}

Example 3:

http://localhost:9083/subscriptionservice/subscriptions/7/status?status=CANCEL

Response:

{

"id": 7,

"startDate": "2021-02-23 20:04:12",

"endDate": "2021-08-22 20:04:12",

"duration": "0 years, 5 months, 30 days, 0 hours, 0 minutes, 0 seconds",

"subscriptionType": "HALF\_YEARLY",

"subscriptionStatus": "CANCEL",

"basePrice": 36,

"discountAmount": 20,

"taxAmount": 0.72,

"totalPrice": 16.72,

"productId": 1,

"userEmail": "user1@gmail.com",

"trialActive": true

}