**Endpoints**

**/api/reward/txn** : Fetches all the transactions of all the customers and in backend calculates the reward point for all the transactions.

**/api/reward/customer/customerId?months=monthNumber :** Fetches total reward points earned for the mentioned month of specific Customer

**/api/reward/customer/customerId :** Fetches overall total reward points earned for the specific Customer

**/actuator/health :** checking service health

**Sample Request URIs and Response**

[**http://localhost:9091/api/reward/txn**](http://localhost:9091/api/reward/txn) **[  
    {  
        "id": 5001,  
        "description": "amazon",  
        "amount": 110.00,  
        "creation\_date": "2024-09-12",  
        "rewardFlag": "rewarded"  
    },  
    {  
        "id": 5002,  
        "description": "flipkart",  
        "amount": 60.00,  
        "creation\_date": "2024-08-12",  
        "rewardFlag": "rewarded"  
    },  
    {  
        "id": 5003,  
        "description": "zepto",  
        "amount": 30.00,  
        "creation\_date": "2024-09-12",  
        "rewardFlag": "rewarded"  
    },  
    {  
        "id": 5005,  
        "description": "blinkit",  
        "amount": 340.00,  
        "creation\_date": "2024-08-12",  
        "rewardFlag": "rewarded"  
    },  
    {  
        "id": 5006,  
        "description": "zepto",  
        "amount": 100.00,  
        "creation\_date": "2024-07-12",  
        "rewardFlag": "rewarded"  
    },  
    {  
        "id": 5007,  
        "description": "swiggy",  
        "amount": 20.00,  
        "creation\_date": "2024-08-12",  
        "rewardFlag": "rewarded"  
    },  
    {  
        "id": 5008,  
        "description": "myntra",  
        "amount": 1340.00,  
        "creation\_date": "2024-09-12",  
        "rewardFlag": "rewarded"  
    },  
    {  
        "id": 5009,  
        "description": "amazon",  
        "amount": 140.00,  
        "creation\_date": "2024-09-13",  
        "rewardFlag": "rewarded"  
    }  
]**[**http://localhost:9091/api/reward/customer/1**](http://localhost:9091/api/reward/customer/1) **{  
    "id": 1,  
    "name": "Raman",  
    "rewardsEarned": 80,  
    "transactions": [  
        {  
            "id": 5001,  
            "description": "amazon",  
            "amount": 110.00,  
            "creation\_date": "2024-09-12",  
            "rewardFlag": "rewarded"  
        },  
        {  
            "id": 5002,  
            "description": "flipkart",  
            "amount": 60.00,  
            "creation\_date": "2024-08-12",  
            "rewardFlag": "rewarded"  
        },  
        {  
            "id": 5003,  
            "description": "zepto",  
            "amount": 30.00,  
            "creation\_date": "2024-09-12",  
            "rewardFlag": "rewarded"  
        }  
    ]  
}**[**http://localhost:9091/api/reward/customer/2?months=2**](http://localhost:9091/api/reward/customer/2?months=2) **{  
    "id": 2,  
    "name": "Shivam",  
    "rewardsEarned": 530,  
    "transactions": [  
        {  
            "id": 5005,  
            "description": "blinkit",  
            "amount": 340.00,  
            "creation\_date": "2024-08-12",  
            "rewardFlag": "rewarded"  
        },  
        {  
            "id": 5007,  
            "description": "swiggy",  
            "amount": 20.00,  
            "creation\_date": "2024-08-12",  
            "rewardFlag": "rewarded"  
        }  
    ]  
}**[**http://localhost:9091/api/reward/customer/3?months=2**](http://localhost:9091/api/reward/customer/3?months=2) **{  
    "errorMsg": "Data Not Found",  
    "errorDescription": "Please check either invalid customer id or invlaid month is passed in url"  
}**