**List of REST APIs**

1. **addMessage** - POST - <host>/message
2. **getMessage** - GET - <host>/message/search

**Response JSON Structure**

{ messages: [

{ messageId: 1, description: "M1", messageType: "ERROR", deviceId: 100, messageTime: "01-01-2019", dataAdded: "01-01-2019" }

]

}

1. **getStats** - GET - <host>/message/stats

**Response JSON Structure**

{ totalCount: 1500,

messageTypeCount: {"ERROR": 200, "INFO": 1300},

deviceIdCount: {"100": 850, "101": 650},

messageTimeCount: {"01-01-2019": 1000, "02-01-2019": 500}

}

**Header Response Codes**

code = 200, message = "Successfully retrieved messages"

code = 404, message = "Message not found with given filters"

code = 500, message = "Some error occurred while performing operation"