

Cost Management System

1. Cost Management

GET /api/CostManagement/GetAll

Description: Retrieve all cost entries.

Response:

```
1. [  
2.   {  
3.     "id": 1,  
4.     "description": "Cloud hosting fees",  
5.     "amount": 350.75,  
6.     "date": "2024-11-12T09:00:00",  
7.     "category": "IT Services"  
8.   }  
9. ]
```

POST /api/CostManagement/AddEntry

Description: Create a new cost entry.

Request:

```
1. {  
2.   "description": "Team building event",  
3.   "amount": 580.00,  
4.   "category": "HR"  
5. }
```

Response:

```
1. {  
2.   "id": 1,  
3.   "description": "Team building event",  
4.   "amount": 580.00,
```

```
5.     "date": "2024-11-13T14:45:00",
6.     "category": "HR"
7. }
```

```
}
```

2. Invoice Management

GET /api/Invoice

Description: Retrieve all invoices.

Response:

```
1. [
2.   {
3.     "invoiceId": 1,
4.     "clientName": "Acme Corp",
5.     "subtotal": 900.00,
6.     "tax": 45.00,
7.     "discount": 30.00,
8.     "grandTotal": 915.00,
9.     "items": [
10.      {
11.        "id": 1,
12.        "name": "Software Licensing",
13.        "unitPrice": 450.00,
14.        "quantity": 2,
15.        "invoiceId": 1
16.      }
17.    ]
18.   }
19. ]
```

GET /api/Invoice/{invoiceId}

Description: Retrieve specific invoice by ID.

Response:

```
1. {
2.   "invoiceId": 1,
3.   "clientName": "Acme Corp",
4.   "subtotal": 900.00,
```

```
5.     "tax": 45.00,  
6.     "discount": 30.00,  
7.     "grandTotal": 915.00,  
8.     "items": [  
9.         {  
10.             "id": 1,  
11.             "name": "Software Licensing",  
12.             "unitPrice": 450.00,  
13.             "quantity": 2,  
14.             "invoiceId": 1  
15.         }  
16.     ]  
17. }
```

POST /api/Invoice/Generate

Description: Create new invoice.

Request:

```
1. {  
2.     "clientId": 2045,  
3.     "tax": 15,  
4.     "discount": 10,  
5.     "items": [  
6.         {  
7.             "name": "Software Licensing",  
8.             "unitPrice": 450.00,  
9.             "quantity": 2  
10.        }  
11.    ]  
12. }
```

Response:

```
1. {  
2.     "id": 5,  
3.     "clientId": 2045,  
4.     "tax": 15,  
5.     "discount": 10,  
6.     "items": [  
7.         {  
8.             "id": 9,
```

```
9.         "name": "Software Licensing",
10.        "quantity": 2,
11.        "unitPrice": 450,
12.        "invoiceId": 5
13.    }
14. ]
15. }
```

PUT /api/Invoice/{invoiceId}/Edit

Description: Update existing invoice.

Request:

```
1. [
2.   {
3.     "name": "Premium Support Plan",
4.     "unitPrice": 600.00,
5.     "quantity": 1
6.   }
7. ]
```

Response:

```
1. {
2.   "id": 1,
3.   "clientId": 2,
4.   "tax": 14,
5.   "discount": 10,
6.   "items": [
7.     {
8.       "id": 10,
9.       "name": "Premium Support Plan",
10.      "quantity": 1,
11.      "unitPrice": 600,
12.      "invoiceId": 1
13.    }
14.  ]
15. }
```

POST /api/Invoice/SendReminder

Description: Send payment reminder.

Request:

```
1. {  
2.     "invoiceId": 1,  
3.     "dueDate": "2025-07-01",  
4.     "clientEmail": "test@example.com"  
5. }
```

Response:

```
1. {  
2.  
3.     "clientEmail": "test@example.com",  
4.     "subject": "Reminder: Invoice 1 is due soon",  
5.     "body": "Dear client, your invoice with Id : 1 with a total price of 16800 is  
        due in 2 days on July 01, 2025. Please make payment on time."  
6.  
7. }
```

3. Tax

POST /api/Tax/Calculate

Description: Calculate taxes.

Request:

```
1. {  
2.     "subtotal": 2500,  
3.     "taxRate": 20,  
4.     "region": "UK"  
5. }
```

Response:

```
1. {  
2.     "taxAmount": 500.0,  
3.     "totalWithTax": 3000.0  
4. }
```