1. Cost Management

GET /api/costs

Description: Get all cost entries

Response:

```json
[
  {
    "id": 1,
    "description": "Office supplies",
    "amount": 125.50,
    "date": "2023-10-25T14:30:00",
    "category": "Office"
  }
]
```

GET /api/costs/[id]

Description: Get a specific cost entry

Response:

```json
{
  "id": 1,
  "description": "Office supplies",
  "amount": 125.50,
  "date": "2023-10-25T14:30:00",
  "category": "Office"
}
```

POST /api/costs

Description: Create a new cost entry

Request:

```json
{
  "description": "Travel expenses",
  "amount": 200.00,
  "category": "Travel"
}
```

Response (201 Created):

```
{
  "id": 2,
  "description": "Travel expenses",
  "amount": 200.00,
  "date": "2023-10-26T10:15:00",
  "category": "Travel"
}
```

2. Invoice Management

GET /api/invoices

Description: Get all invoices

Response:

```
{
  "id": 2,
  "description": "Travel expenses",
  "amount": 200.00,
  "date": "2023-10-26T10:15:00",
  "category": "Travel"
}
```

```json
[
  {
    "id": 1,
    "clientId": 1001,
    "clientName": "Sample Client",
    "clientEmail": "client@example.com",
    "clientPhone": "+1234567890",
    "region": "AE",
    "status": "Sent",
    "createdAt": "2023-10-25T00:00:00",
    "dueDate": "2023-11-25T00:00:00",
    "subtotal": 620.00,
    "tax": 31.00,
    "discount": 10.00,
    "grandTotal": 585.90,
    "totalPaid": 300.00,
    "totalDue": 285.90,
    "items": [
      {
        "name": "Website Design",
        "unitPrice": 500.00,
        "quantity": 1
      }
    ],
    "payments": [
      {
        "id": 1,
        "invoiceId": 1,
        "amount": 300.00,
        "paidAt": "2023-10-20T00:00:00",
        "method": "Bank Transfer"
      }
    ]
  }
]
```

GET /api/invoices/[id]

Description: Get a specific invoice

Response: Same as above (single object).

POST /api/invoices

Description: Create a new invoice

Request:

```json
{
  "clientId": 1002,
  "clientName": "New Client",
  "clientEmail": "new@example.com",
  "clientPhone": "+9876543210",
  "region": "SA",
  "discountKind": "Percentage",
  "discount": 15.00,
  "dueInDays": 30,
  "items": [
    {
      "name": "Consulting",
      "unitPrice": 300.00,
      "quantity": 2
    }
  ]
}
```

Response (201 Created): Similar to GET response with new invoice data.

PUT /api/invoices/[id]

Description: Update an existing invoice

Request:

```json
{
  "region": "EG",
  "discount": 20.00,
  "items": [
    {
      "name": "Updated Service",
      "unitPrice": 400.00,
      "quantity": 1
    }
  ]
}
```

Response: Updated invoice (same structure as GET).

GET /api/invoices/due-reminders?daysUntilDue=7

Response:

```json
[
  {
    "invoiceId": 1,
    "dueDate": "2023-11-25T00:00:00",
    "totalDue": 285.90,
    "status": "Partial",
    "clientName": "Sample Client",
    "clientEmail": "client@example.com",
    "clientPhone": "+1234567890"
  }
]
```

GET /api/invoices/report/status?status=Overdue

Description: Generate status report

Response:

```json
{
  "title": "Invoice Status Report (Overdue)",
  "type": "Tabular",
  "columns": ["ID", "Client", "Due Date", "Amount Due", "Status"],
  "rows": [
    {
      "ID": 1,
      "Client": "Sample Client",
      "Due Date": "2023-10-01",
      "Amount Due": "$515.00",
      "Status": "Overdue"
    }
  ]
}
```

3. Payment Management

GET /api/payments/invoice/[invoiceId]

Description: Get payment history for an invoice

Response:

```json
[
  {
    "id": 1,
    "invoiceId": 1,
    "amount": 300.00,
    "paidAt": "2023-10-20T00:00:00",
    "method": "Bank Transfer"
  }
]
```

POST /api/payments/invoice/[invoiceId]

Description: Log a new payment

Request:

```json
{
  "amount": 200.00,
  "method": "Credit Card"
}
```

Response (201 Created):

```json
{
  "id": 2,
  "invoiceId": 1,
  "amount": 200.00,
  "paidAt": "2023-10-26T12:00:00",
  "method": "Credit Card"
}
```

GET /api/payments/[paymentId]/receipt

Description: Generate PDF receipt

Response: Binary PDF file.