

Travel Agent Management System API Test Results

=== Travel Agent Management System API Test Script ===

This script will test all existing endpoints of your
microservices application

Mon Apr 21 10:37:01 PM IST 2025

=== Testing Agent Service ===

Testing: Create a new agent

URL: POST http://localhost:8000/agents

Payload: {

```
  "name": "John Smith",
  "email": "john@example.com",
  "phone": "123-456-7890",
  "availability": {
    "days": ["Monday", "Wednesday", "Friday"],
    "shift": "morning"
  }
}
```

}

Success! Response:

```
{
  "id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
  "name": "John Smith",
  "email": "john@example.com",
  "phone": "123-456-7890",
  "rating": 0.0,
  "availability": {
    "days": [
      "Monday",
      "Wednesday",
      "Friday"
    ],
    "shift": "morning"
  }
}
```

Created agent with ID: 1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c

Testing: List all agents

URL: GET http://localhost:8000/agents

Success! Response:

```
[
  {
    "id": "51757943-6eeb-4dad-8ca5-5a264ea3a7a3",
    "name": "John Smith",
    "email": "john@example.com",
    "phone": "123-456-7890",
    "rating": 0.0,
    "availability": {
      "days": [
        "Tuesday",
        "Thursday"
      ],
      "shift": "evening"
    }
  },
  {
    "id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
    "name": "John Smith",
    "email": "john@example.com",
    "phone": "123-456-7890",
    "rating": 0.0,
    "availability": {
      "days": [
        "Monday",
        "Wednesday",
        "Friday"
      ],
      "shift": "morning"
    }
  }
]
```

Testing: Get specific agent

URL: GET <http://localhost:8000/agents/1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c>

Success! Response:

```
{
  "id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
  "name": "John Smith",
  "email": "john@example.com",
  "phone": "123-456-7890",
  "rating": 0.0,
  "availability": {
    "days": [
```

```
        "Monday",
        "Wednesday",
        "Friday"
    ],
    "shift": "morning"
}
```

Testing: Update agent availability

URL: PUT <http://localhost:8000/agents/1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c/availability>

```
Payload: {
    "days": ["Tuesday", "Thursday"],
    "shift": "evening"
}
```

Success! Response:

```
{
    "days": [
        "Tuesday",
        "Thursday"
    ],
    "shift": "evening"
}
```

Testing: Get agent availability

URL: GET <http://localhost:8000/agents/1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c/availability>

Success! Response:

```
{
    "days": [
        "Tuesday",
        "Thursday"
    ],
    "shift": "evening"
}
```

=== Testing Booking Service ===

Testing: Create a new booking

URL: POST <http://localhost:8001/bookings>

```
Payload: {
    "agent_id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
    "customer_name": "Alice Johnson",
    "service_type": "Flight",
    "price": 350.00
}
```

```
}
Success! Response:
{
  "booking_id": "9ba4f7ec-2082-4991-9c05-ba3c6abc0555",
  "commission_amount": 35.0
}
Created booking with ID: 9ba4f7ec-2082-4991-9c05-ba3c6abc0555
```

```
Testing: Get agent bookings
URL: GET http://localhost:8001/agents/1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c/bookings
Success! Response:
[
  {
    "agent_id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
    "customer_name": "Alice Johnson",
    "service_type": "Flight",
    "price": 350.0
  }
]
```

```
Testing: Get agent commission
URL: GET http://localhost:8001/agents/1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c/commission
Success! Response:
[
  {
    "agent_id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
    "booking_id": "9ba4f7ec-2082-4991-9c05-ba3c6abc0555",
    "commission_percentage": 10.0,
    "commission_amount": 35.0
  }
]
```

=== Testing Sales Service ===

```
Testing: Record a sale
URL: POST http://localhost:8002/sales/record
Payload: {
  "agent_id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
  "price": 450.00
}
Success! Response:
{
  "message": "Sale recorded"
```

```
}
```

Testing: Get sales by agent

URL: GET http://localhost:8002/sales/by-agent/1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c

Success! Response:

```
[
  {
    "agent_id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
    "sales": 450.0
  }
]
```

Testing: Get sales trends

URL: GET http://localhost:8002/sales/trends

Success! Response:

```
{
  "trend": "positive",
  "growth_percentage": 10
}
```

=== Testing Invoicing Service ===

Testing: Generate an invoice

URL: POST http://localhost:8003/invoice

Payload: {

```
  "agent_id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
  "customer_name": "Bob Wilson",
  "amount": 550.00
}
```

Success! Response:

```
{
  "invoice_id": "8b0dffbd-62a3-4f7d-a16f-73e694bbc34b",
  "amount": 550.0
}
```

Testing: Process agent payout

URL: POST http://localhost:8003/payout

Payload: {

```
  "agent_id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
  "payout_amount": 220.00
}
```

Success! Response:

```
{
  "payout_id": "cd96dfdc-5520-4249-959f-1369369bdd75",
}
```

```
    "amount": 220.0
}
```

Testing: Get agent payouts

URL: GET http://localhost:8003/agents/1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c/payouts

Success! Response:

```
[
  {
    "agent_id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
    "payout_amount": 220.0
  }
]
```

=== Testing Train Booking Service ===

Testing: List all trains

URL: GET http://localhost:8084/trains

Success! Response:

```
[
  {
    "train_number": "TRN001",
    "name": "Express 505",
    "source": "New York",
    "destination": "Washington DC",
    "departure_time": "08:30",
    "arrival_time": "12:00",
    "available_classes": [
      "First Class",
      "Business",
      "Economy"
    ],
    "base_price": {
      "First Class": 150.0,
      "Business": 100.0,
      "Economy": 50.0
    }
  },
  {
    "train_number": "TRN002",
    "name": "Coastal Link",
    "source": "Boston",
    "destination": "New York",
    "departure_time": "10:15",
    "arrival_time": "13:45",
  }
]
```

```

    "available_classes": [
      "First Class",
      "Economy"
    ],
    "base_price": {
      "First Class": 120.0,
      "Economy": 45.0
    }
  },
  {
    "train_number": "TRN003",
    "name": "Western Eagle",
    "source": "Chicago",
    "destination": "Denver",
    "departure_time": "14:20",
    "arrival_time": "22:35",
    "available_classes": [
      "First Class",
      "Business",
      "Economy"
    ],
    "base_price": {
      "First Class": 280.0,
      "Business": 180.0,
      "Economy": 120.0
    }
  }
]

```

Testing: Get specific train details

URL: GET <http://localhost:8084/trains/TRN001>

Success! Response:

```

{
  "train_number": "TRN001",
  "name": "Express 505",
  "source": "New York",
  "destination": "Washington DC",
  "departure_time": "08:30",
  "arrival_time": "12:00",
  "available_classes": [
    "First Class",
    "Business",
    "Economy"
  ],

```

```
"base_price": {
  "First Class": 150.0,
  "Business": 100.0,
  "Economy": 50.0
}
}
```

Testing: Create a new train booking

URL: POST <http://localhost:8084/train-bookings>

```
Payload: {
  "agent_id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
  "train_number": "TRN001",
  "travel_date": "2025-05-15",
  "passenger_count": 2,
  "train_class": "First Class",
  "passengers": [
    {
      "name": "Jane Smith",
      "age": 35,
      "id_type": "Passport",
      "id_number": "AB123456"
    },
    {
      "name": "David Smith",
      "age": 40,
      "id_type": "Passport",
      "id_number": "CD789012"
    }
  ],
  "special_requests": "Window seats preferred"
}
```

Success! Response:

```
{
  "booking_id": "bb093949-fe40-47be-8e2e-0ba7a1fcd68b",
  "agent_id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
  "train_number": "TRN001",
  "train_name": "Express 505",
  "source": "New York",
  "destination": "Washington DC",
  "travel_date": "2025-05-15",
  "departure_time": "08:30",
  "arrival_time": "12:00",
  "train_class": "First Class",
  "price_per_passenger": 150.0,
```



```
"total_price": 300.0,
"passenger_count": 2,
"passengers": [
  {
    "name": "Jane Smith",
    "age": 35,
    "id_type": "Passport",
    "id_number": "AB123456"
  },
  {
    "name": "David Smith",
    "age": 40,
    "id_type": "Passport",
    "id_number": "CD789012"
  }
],
"special_requests": "Window seats preferred",
"booking_date": "2025-04-21",
"status": "Confirmed"
}
```

Created train booking with ID: bb093949-fe40-47be-8e2e-0ba7a1fcd68b

Testing: List all train bookings

URL: GET http://localhost:8084/train-bookings

Success! Response:

```
[
  {
    "booking_id": "c7bebcea-3983-4baa-8fb2-e424b87086db",
    "agent_id": "51757943-6eeb-4dad-8ca5-5a264ea3a7a3",
    "train_number": "TRN001",
    "train_name": "Express 505",
    "source": "New York",
    "destination": "Washington DC",
    "travel_date": "2025-05-15",
    "departure_time": "08:30",
    "arrival_time": "12:00",
    "train_class": "First Class",
    "price_per_passenger": 150.0,
    "total_price": 300.0,
    "passenger_count": 2,
    "passengers": [
      {
        "name": "Jane Smith",
```

```
        "age": 35,
        "id_type": "Passport",
        "id_number": "AB123456"
    },
    {
        "name": "David Smith",
        "age": 40,
        "id_type": "Passport",
        "id_number": "CD789012"
    }
],
"special_requests": "Window seats preferred",
"booking_date": "2025-04-21",
"status": "Cancelled"
},
{
    "booking_id": "bb093949-fe40-47be-8e2e-0ba7a1fcd68b",
    "agent_id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
    "train_number": "TRN001",
    "train_name": "Express 505",
    "source": "New York",
    "destination": "Washington DC",
    "travel_date": "2025-05-15",
    "departure_time": "08:30",
    "arrival_time": "12:00",
    "train_class": "First Class",
    "price_per_passenger": 150.0,
    "total_price": 300.0,
    "passenger_count": 2,
    "passengers": [
        {
            "name": "Jane Smith",
            "age": 35,
            "id_type": "Passport",
            "id_number": "AB123456"
        },
        {
            "name": "David Smith",
            "age": 40,
            "id_type": "Passport",
            "id_number": "CD789012"
        }
    ]
},
"special_requests": "Window seats preferred",
```

```
    "booking_date": "2025-04-21",
    "status": "Confirmed"
  }
]
```

Testing: Get specific train booking details

URL: GET <http://localhost:8084/train-bookings/bb093949-fe40-47be-8e2e-0ba7a1fcd68b>

Success! Response:

```
{
  "booking_id": "bb093949-fe40-47be-8e2e-0ba7a1fcd68b",
  "agent_id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
  "train_number": "TRN001",
  "train_name": "Express 505",
  "source": "New York",
  "destination": "Washington DC",
  "travel_date": "2025-05-15",
  "departure_time": "08:30",
  "arrival_time": "12:00",
  "train_class": "First Class",
  "price_per_passenger": 150.0,
  "total_price": 300.0,
  "passenger_count": 2,
  "passengers": [
    {
      "name": "Jane Smith",
      "age": 35,
      "id_type": "Passport",
      "id_number": "AB123456"
    },
    {
      "name": "David Smith",
      "age": 40,
      "id_type": "Passport",
      "id_number": "CD789012"
    }
  ],
  "special_requests": "Window seats preferred",
  "booking_date": "2025-04-21",
  "status": "Confirmed"
}
```

Testing: Get agent's train bookings

URL: GET <http://localhost:8084/agents/1ad8f6e7-c4c1-45d2->

a72d-37a619e3cb5c/train-bookings

Success! Response:

```
[
  {
    "booking_id": "bb093949-fe40-47be-8e2e-0ba7a1fcd68b",
    "agent_id": "1ad8f6e7-c4c1-45d2-a72d-37a619e3cb5c",
    "train_number": "TRN001",
    "train_name": "Express 505",
    "source": "New York",
    "destination": "Washington DC",
    "travel_date": "2025-05-15",
    "departure_time": "08:30",
    "arrival_time": "12:00",
    "train_class": "First Class",
    "price_per_passenger": 150.0,
    "total_price": 300.0,
    "passenger_count": 2,
    "passengers": [
      {
        "name": "Jane Smith",
        "age": 35,
        "id_type": "Passport",
        "id_number": "AB123456"
      },
      {
        "name": "David Smith",
        "age": 40,
        "id_type": "Passport",
        "id_number": "CD789012"
      }
    ],
    "special_requests": "Window seats preferred",
    "booking_date": "2025-04-21",
    "status": "Confirmed"
  }
]
```

=== Testing Train Seat Status Service ===

Testing: Reserve seats for a train booking

URL: POST http://localhost:8090/seat-reservations

Payload: {

```
  "booking_id": "bb093949-fe40-47be-8e2e-0ba7a1fcd68b",
  "train_number": "TRN001",
  "seats": ["FC1-1A", "FC1-1B"],
```

```
    "travel_date": "2025-05-15",
    "status": "confirmed"
}
Success! Response:
{
  "booking_id": "bb093949-fe40-47be-8e2e-0ba7a1fcd68b",
  "train_number": "TRN001",
  "seats": [
    "FC1-1A",
    "FC1-1B"
  ],
  "travel_date": "2025-05-15",
  "status": "confirmed"
}
```

Testing: Get seat status for booking

URL: GET <http://localhost:8090/bookings/bb093949-fe40-47be-8e2e-0ba7a1fcd68b/seats/status>

Success! Response:

```
{
  "booking_id": "bb093949-fe40-47be-8e2e-0ba7a1fcd68b",
  "train_number": "TRN001",
  "travel_date": "2025-05-15",
  "seats": [
    "FC1-1A",
    "FC1-1B"
  ],
  "status": "confirmed"
}
```

Testing: Cancel seat reservations

URL: PUT <http://localhost:8090/bookings/bb093949-fe40-47be-8e2e-0ba7a1fcd68b/seats/cancel>

Success! Response:

```
{
  "message": "Seat reservations cancelled successfully",
  "booking_id": "bb093949-fe40-47be-8e2e-0ba7a1fcd68b",
  "status": "cancelled"
}
```

=== Test Complete ===

All endpoints have been tested.

Generating HTML report...

