1) Use Case: Buyer initiates a conversation with a seller about a listing
   - Resource(s): threads
   - HTTP Method: POST
   - Request URL:
     http://localhost:8080/api/listings/692157e5c803ec7283549476/threads
   - Request Body:
     ```
     {
       "buyer_id": "692157c469eeb4e203aaee3f"
     }
     ```
   - Response:
     ```
     {
         "id": "69215858c4570cd6742bd49b",
         "listing_id": "692157e5c803ec7283549476",
         "buyer_id": "692157c469eeb4e203aaee3f",
         "seller_id": "692157c469eeb4e203aaee3e",
         "created_at": "2025-11-22T06:29:44.758258",
         "last_activity_time": "2025-11-22T06:29:44.758265"
     }
     ```

2) Use Case: Seller views all chat threads for their listing
   - Resource(s): threads
   - HTTP Method: GET
   - Request URL:
     http://localhost:8080/api/listings/692157e5c803ec7283549476/threads
   - Request Body: None
   - Response:

```
{
    "threads": [
      {
          "id": "69215858c4570cd6742bd49b",
          "listing_id": "692157e5c803ec7283549476",
          "buyer_id": "692157c469eeb4e203aaee3f",
          "seller_id": "692157c469eeb4e203aaee3e",
          "created_at": "2025-11-22T06:29:44.758000",
          "last_activity_time": "2025-11-22T06:29:44.758000"
      }
    ]
}
```

3) Use Case: Retrieve details of a specific conversation
    - Resource(s): threads
    - HTTP Method: GET
    - Request URL:
      http://localhost:8080/api/listings/692157e5c803ec7283549476/threads/69215858c4570cd6742bd49b
    - Request Body: None
    - Response:

```
{
    "id": "69215858c4570cd6742bd49b",
    "listing_id": "692157e5c803ec7283549476",
    "buyer_id": "692157c469eeb4e203aaee3f",
    "seller_id": "692157c469eeb4e203aaee3e",
    "created_at": "2025-11-22T06:29:44.758000",
    "last_activity_time": "2025-11-22T06:29:44.758000"
}
```

4) Use Case: Update thread activity time when messages are sent
   - Resource(s): threads
   - HTTP Method: PATCH
   - Request URL:
     http://localhost:8080/api/listings/692157e5c803ec7283549476/threads/69215858c4570cd6742bd49b
   - Request Body:
     {}
   - Response:
     ```
     {
        "id": "69215858c4570cd6742bd49b",
        "listing_id": "692157e5c803ec7283549476",
        "buyer_id": "692157c469eeb4e203aaee3f",
        "seller_id": "692157c469eeb4e203aaee3e",
        "created_at": "2025-11-22T06:29:44.758000",
        "last_activity_time": "2025-11-22T06:29:44.874604"
     }
     ```

5) Use Case: User views all their conversations (as buyer or seller)
   - Resource(s): threads
   - HTTP Method: GET
   - Request URL:
     http://localhost:8080/api/threads?user_id=692157c469eeb4e203aaee3f
   - Request Body: None
   - Response:

```
{
    "threads": [
        {
            "id": "69215858c4570cd6742bd49b",
            "listing_id": "692157e5c803ec7283549476",
            "buyer_id": "692157c469eeb4e203aaee3f",
            "seller_id": "692157c469eeb4e203aaee3e",
            "created_at": "2025-11-22T06:29:44.758000",
            "last_activity_time": "2025-11-22T06:29:44.874000"
        }
    ],
    "page": 1,
    "per_page": 10,
    "total": 1
}
```

6) Use Case: Direct access to a thread without listing context
   - Resource(s): threads
   - HTTP Method: GET
   - Request URL: http://localhost:8080/api/threads/69215858c4570cd6742bd49b
   - Request Body: None
   - Response:

```
{
    "id": "69215858c4570cd6742bd49b",
    "listing_id": "692157e5c803ec7283549476",
    "buyer_id": "692157c469eeb4e203aaee3f",
    "seller_id": "692157c469eeb4e203aaee3e",
    "created_at": "2025-11-22T06:29:44.758000",
    "last_activity_time": "2025-11-22T06:29:44.874000"
}
```

7) Use Case: Buyer leaves feedback for a seller after a transaction
   - Resource(s): reviews
   - HTTP Method: POST
   - Request URL: http://localhost:8080/api/reviews
   - Request Body:

```json
{
    "listing_id": "692157e5c803ec7283549476",
    "reviewer_id": "692157c469eeb4e203aaee3f",
    "reviewee_id": "692157c469eeb4e203aaee3e",
    "rating": 5,
    "comment": "Great seller! Item was exactly as described."
}
```

   - Response:

```json
{
    "id": "69215858c4570cd6742bd49c",
    "listing_id": "692157e5c803ec7283549476",
    "reviewer_id": "692157c469eeb4e203aaee3f",
    "reviewee_id": "692157c469eeb4e203aaee3e",
    "rating": 5,
    "comment": "Great seller! Item was exactly as described.",
    "helpful_count": 0,
    "created_at": "2025-11-22T06:29:44.940825",
    "updated_at": "2025-11-22T06:29:44.940828",
    "is_flagged": false,
    "moderation_status": "Pending"
}
```

8) Use Case: Admin views all reviews in the system for moderation
- Resource(s): reviews
- HTTP Method: GET
- Request URL: http://localhost:8080/api/reviews
- Request Body: None
- Response:

```json
{
    "reviews": [
        {
            "id": "69215858c4570cd6742bd49c",
            "listing_id": "692157e5c803ec7283549476",
            "reviewer_id": "692157c469eeb4e203aaee3f",
            "reviewee_id": "692157c469eeb4e203aaee3e",
            "rating": 5,
            "comment": "Great seller! Item was exactly as described.",
            "helpful_count": 0,
            "created_at": "2025-11-22T06:29:44.940000",
            "updated_at": "2025-11-22T06:29:44.940000",
            "is_flagged": false,
            "moderation_status": "Pending"
        }
    ],
    "page": 1,
    "per_page": 10,
    "total": 1,
    "total_pages": 1
}
```

9) Use Case: View details of a particular review
  - Resource(s): reviews
  - HTTP Method: GET
  - Request URL: http://localhost:8080/api/reviews/69215858c4570cd6742bd49c
  - Request Body: None
  - Response:

```
{
    "id": "69215858c4570cd6742bd49c",
    "listing_id": "692157e5c803ec7283549476",
    "reviewer_id": "692157c469eeb4e203aaee3f",
    "reviewee_id": "692157c469eeb4e203aaee3e",
    "rating": 5,
    "comment": "Great seller! Item was exactly as described.",
    "helpful_count": 0,
    "created_at": "2025-11-22T06:29:44.940000",
    "updated_at": "2025-11-22T06:29:44.940000",
    "is_flagged": false,
    "moderation_status": "Pending"
}
```

10) Use Case: Admin approves review and users mark it as helpful

- Resource(s): reviews
- HTTP Method: PATCH
- Request URL: http://localhost:8080/api/reviews/69215858c4570cd6742bd49c
- Request Body:
  ```
  {
      "moderation_status": "Approved",
      "helpful_count": 1
  }
  ```
- Response:
  ```
  {
      "id": "69215858c4570cd6742bd49c",
      "listing_id": "692157e5c803ec7283549476",
      "reviewer_id": "692157c469eeb4e203aaee3f",
      "reviewee_id": "692157c469eeb4e203aaee3e",
      "rating": 5,
      "comment": "Great seller! Item was exactly as described.",
      "helpful_count": 1,
      "created_at": "2025-11-22T06:29:44.940000",
      "updated_at": "2025-11-22T06:29:45.046874",
      "is_flagged": false,
      "moderation_status": "Approved"
  }
  ```

11) Use Case: View all approved reviews for a specific listing

- Resource(s): reviews, listings
- HTTP Method: GET
- Request URL:
  http://localhost:8080/api/listings/692157e5c803ec7283549476/reviews
- Request Body: None
- Response:

```
{
    "reviews": [
        {
            "id": "69215858c4570cd6742bd49c",
            "listing_id": "692157e5c803ec7283549476",
            "reviewer_id": "692157c469eeb4e203aaee3f",
            "reviewee_id": "692157c469eeb4e203aaee3e",
            "rating": 5,
            "comment": "Great seller! Item was exactly as described.",
            "helpful_count": 1,
            "created_at": "2025-11-22T06:29:44.940000",
            "updated_at": "2025-11-22T06:29:45.046000",
            "is_flagged": false,
            "moderation_status": "Approved"
        }
    ]
}
```

12) Use Case: View a user's reputation (all reviews received)
- Resource(s): reviews, users
- HTTP Method: GET
- Request URL:
  http://localhost:8080/api/users/692157c469eeb4e203aaee3e/reviews
- Request Body: None
- Response:

```
{
    "reviews": [
        {
            "id": "69215858c4570cd6742bd49c",
            "listing_id": "692157e5c803ec7283549476",
            "reviewer_id": "692157c469eeb4e203aaee3f",
            "reviewee_id": "692157c469eeb4e203aaee3e",
            "rating": 5,
            "comment": "Great seller! Item was exactly as described.",
            "helpful_count": 1,
            "created_at": "2025-11-22T06:29:44.940000",
            "updated_at": "2025-11-22T06:29:45.046000",
            "is_flagged": false,
            "moderation_status": "Approved"
        }
    ],
    "total_reviews": 1,
    "average_rating": 5.0
}
```

13) Use Case: Admin removes inappropriate review (soft delete)
   - Resource(s): reviews
   - HTTP Method: DELETE
   - Request URL: http://localhost:8080/api/reviews/69215858c4570cd6742bd49c
   - Request Body: None
   - Response:

```
{
    "message": "Review deleted successfully"
}
```