API Contracts: Multi-Agent Conversational AI System

1. POST /chat

Description: Accepts a user message and returns a response generated using OpenAI GPT, optionally with RAG.

Input:
```
{
  "user_id": "string",
  "message": "string"
}
```

Response:
```
{
  "response": "Generated reply from the assistant",
  "response_time": 0.423,
  "context_used": ["optional document chunk 1", "optional chunk 2"],
  "model": "gpt-3.5-turbo",
  "rag_triggered": true
}
```

2. POST /upload_docs

Description: Uploads and indexes documents for retrieval.

Form Data:
- user_id: string
- files: file list (CSV, TXT, PDF, JSON)

Response:
```
{
  "uploaded_files": ["file1.csv", "file2.txt"],
  "chunks_indexed": 12
}
```

3. POST /crm/create_user

Input:
```
{
  "name": "string",
  "email": "string",
  "company": "string",
  "preferences": {
    "key": "value"
```

```
  }
}
```

Response:
```
{
  "user_id": "uuid-string",
  "message": "User created successfully"
}
```

4. PUT /crm/update_user

Input:
```
{
  "user_id": "string",
  "name": "string",
  "email": "string",
  "company": "string",
  "preferences": {
    "key": "value"
  }
}
```

Response:
```
{
  "message": "User updated"
}
```

5. GET /crm/conversations/{user_id}

Response:
```
{
  "history": [
    {
      "user": "What are my options?",
      "bot": "You can lease or sublease."
    }
  ]
}
```

6. POST /reset

Input:
```
{
  "user_id": "string"
}
```

Response:

```
{
  "message": "Conversation history cleared"
}
```