EMMA API Guide (Easy Version)

This guide explains what each EMMA API does, in plain English, with simple examples. It is written in a way that a grade 10 student can understand.

# 👥 Contacts API

Purpose: Manages people in the system (like leads, clients, or service providers).

Examples:

* POST /api/contacts → Add a new contact. Example: 'Add John Smith as a new lead with phone number 555-1234.'
* GET /api/contacts/{id} → Look up a specific contact by ID.
* PUT /api/contacts/{id} → Update details (like phone, email, or relationship state).
* DELETE /api/contacts/{id} → Archive a contact (soft delete).

Note: Think of this as your digital phonebook. It keeps track of everyone you’re working with.

# 💬 Interactions API

Purpose: Tracks conversations with contacts (calls, texts, emails, meetings, notes).

Examples:

* POST /api/interactions → Record a new call, text, or email. Example: 'Log that John Smith called today at 2pm.'
* GET /api/interactions/{id} → Fetch details of a specific conversation.
* GET /api/interactions?contactId={id} → See all conversations with one person.

Note: It’s like a diary of all your communication with clients and leads.

# 📅 Tasks API

Purpose: Creates and manages tasks related to contacts.

Examples:

* POST /api/tasks → Add a task. Example: 'Remind me to follow up with John Smith tomorrow.'
* PUT /api/tasks/{id} → Update status (pending → completed).
* GET /api/tasks?contactId={id} → List all tasks for one client.

Note: Helps you remember what to do next.

# 🤖 Agent Orchestration API

Purpose: Connects EMMA to AI agents that suggest or perform actions.

Examples:

* POST /api/agentorchestration/process → Send a natural language request. Example: 'Ask EMMA: What’s the next best step for John Smith?'
* POST /api/agentorchestration/workflow/execute → Run a multi-agent workflow.
* GET /api/agentorchestration/agents/capabilities → See what agents can do.

Note: Lets EMMA’s AI brain analyze interactions and give you suggestions.

# 🔐 Authentication API

Purpose: Handles login, user verification, and issuing JWT tokens.

Examples:

* POST /api/auth/login → Log in with email + password.
* POST /api/auth/register → Create a new account.
* POST /api/auth/dev-token → (Dev only) Generate a fake token for testing.

Note: Keeps the system secure and ensures only verified users can act.

# 🏢 Organization API

Purpose: Manages teams/companies using EMMA.

Examples:

* POST /api/organizations → Create a new organization.
* GET /api/organizations/{id} → Get details about a company/team.
* POST /api/organizations/{id}/invite → Invite teammates by email.

Note: Defines the 'workspace' where agents, contacts, and data live.

# 🛠️ Resources API

Purpose: Tracks service providers like mortgage brokers, inspectors, and lawyers.

Examples:

* POST /api/resources → Add a new service provider.
* POST /api/resources/recommendations → Suggest providers to a client.
* POST /api/resources/assignments → Assign a specific provider to a client.

Note: Helps you recommend trusted partners during the buying/selling process.

# ✅ Example Flow (Happy Path)

1. Create Org → POST /api/organizations
2. Add User → POST /api/auth/register
3. Invite Teammate → POST /api/organizations/{id}/invite
4. Add Contact → POST /api/contacts
5. Record Call → POST /api/interactions
6. Get Next Action → POST /api/agentorchestration/process
7. Create Task → POST /api/tasks