Swarm by OpenAI - Multi-Agent Coordination
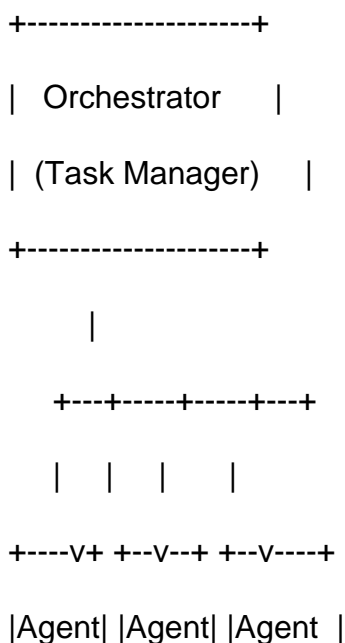
Swarm Concept by OpenAI

Swarm is an experimental framework developed by OpenAI to organize multi-agent systems. It allows different AI agents to work together by passing tasks (handoffs) between each other, making the system more flexible, scalable, and efficient.

In a Swarm-based system, each agent is specialized for a specific type of task. Tasks can be passed between agents based on their expertise, similar to a well-structured team.

- Real-World Example:

Imagine a customer service system designed for airline ticket booking. When a customer makes an inquiry, the task is first handled by a general inquiry agent. If more specialized help is needed, the task is handed off to the next appropriate agent - for instance, an agent that handles billing or technical issues.

- Components Overview:

```
+--------------------+
|   Orchestrator     |
|  (Task Manager)    |
+--------------------+
          |
     +---+-----+-----+---+
     |   |     |     |
+----v+ +--v--+ +--v----+
|Agent| |Agent| |Agent  |
```

Swarm by OpenAI - Multi-Agent Coordination

```
|Bill | |Tech | |Info   |

|Bot  | |Bot  | |Bot    |

+-----+ +-----+ +-------+

   \   |    /

    \  |   /

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   +----v------+

   | Handoffs  |

   +-----------+
```

📖 Swarm ka Concept

Swarm OpenAI ka experimental framework hai jo multi-agent systems ko organize karne ke liye banayo gaya hai. Ismein agents aur handoffs ke use se system flexible, scalable aur efficient banta hai.

Real-World Example:
(Customer service system jo airline ticket booking ke liye banaya gaya hai.)

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