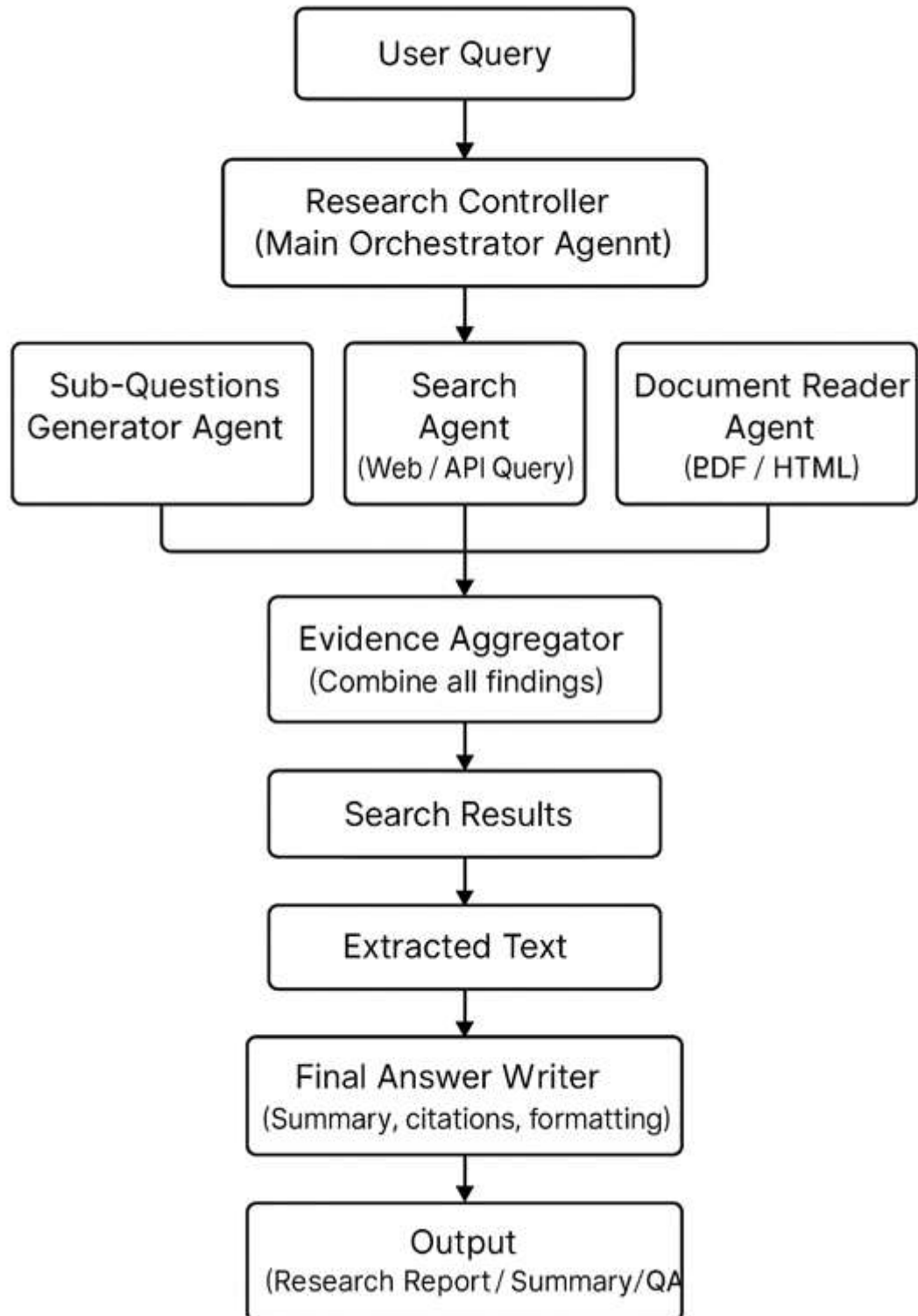


## Task – 3

### Research Agent Workflow



# Description of Architecture:

## Use 5 horizontal layers:

### Layer 1 — Input Layer

User

Provides main research question

### Layer 2 — Orchestration Layer

Research Controller (Main Agent)

Breaks problem into steps

Delegates tasks to specialized agents

Monitors progress and merges outputs

### Layer 3 — Worker Agent Layer

A. Sub-question Generator

Breaks the main problem into smaller researchable questions

B. Search Agent

Calls external search APIs

Retrieves webpages, documents, datasets

C. Document Reader Agent

Extracts text from PDFs, HTML, articles

### Layer 4 — Processing Layer

Evidence Aggregator

Combines all findings

Removes duplicates

Maintains citations

Reasoning Engine

Analyzes evidence

Synthesizes insights

Performs logical reasoning

### Layer 5 — Output Layer

Answer Writer

Writes the final summary

Ensures clarity, structure, and citations

#### Final Output

Research Report

Executive Summary

Answer to Question