Main

-InvestigationManager investigation_manager

+main() : str

InvestigationManager

-CaseManager case_manager

-AIModelManager ai_model_manager

+create_case(case_data: dict)

+assign_ai_models(case_id: str)

+collect_evidence(case_id: str, evidence_data: dict)

+generate_report(case_id: str) : str

CaseManager

-Case case

+create_case(case_data: dict)

+get_case(case_id: str) : Case

AIModelManager

-AIModels ai_models

+load_models()

+run_investigation(case_id: str, evidence_data: dict)

Case

+case_id: str

+details: dict

+evidence: list

+report: Report

+add_evidence(evidence_data: dict)

+generate_report() : Report

AIModels

+model_type: str

+specialization: str

+analyze(evidence: Evidence) : dict

Evidence

+evidence_id: str

+type: str

Report

+report_id: str

+data: dict

+findings: dict