HSIE System UML Class Diagram

HSIEController
+analyze_audio()

creates

AnalysisInput
+audio_path
+transcript
+speaker_meta
+context_meta

provides input
provides input
provides input

LinguisticAggressionService
+analyze(input): AnalysisScore

StructuralDominanceService
+analyze(input): AnalysisScore

AcousticAggressionService
+analyze(input): AnalysisScore

returns
returns
returns

AnalysisScore
+score
+confidence
+features_ui
+features_internal

inputs

HSICalculator
+integrate(a, s, l): HSIResult

outputs

HSIResult
+hsi_value
+interpretation
+explanation

evaluates

LegalCaseSearchEngine
+search(hsi_result): LegalEvaluationResult

returns

LegalEvaluationResult
+applicable_laws
+similar_cases
+legal_risk_level
+explanation