

Test Raporu

2026-01-08

AI Service



org.example.ai_service

Sürüm: 1.0.0

Spring Boot 3.5.6 + OpenAI

Başarı Oranı

94%

58 test • 55 başarılı • 3 başarısız • 0 % kapsama oranı

58

Toplam Test

55

Başarılı

3

Başarısız

Proje Bilgileri

PROJE	SÜRÜM	ÇERÇEVE (FRAMEWORK)	TEST ALTYAPISI
AI Service	1.0.0	Spring Boot 3.5.6	JUnit 5 + Mockito

Kod Kapsaması

Hedef: %30 0%

Test Grupları

TEST GRUBU	TEST SAYISI	DURUM
AudioAnalysisControllerTest\$AnalyzeAudioFromPathTests	3	● Başarısız
AudioAnalysisControllerTest\$AnalyzeAudioTests	3	● Başarısız
AudioAnalysisControllerTest\$HealthCheckTests	1	● Başarılı
AudioCompressorTest\$CompressIfNeededTests	2	● Başarılı
AudioCompressorTest\$UtilityMethodsTests	3	● Başarılı
AudioProcessingOrchestratorTest\$DatabaseIntegrationTests	2	● Başarılı
AudioProcessingOrchestratorTest\$KafkaProducerIntegrationTests	2	● Başarılı

TEST GRUBU	TEST SAYISI	DURUM
AudioProcessingOrchestratorTest\$ProcessAudioEventTests	5	● Başarılı
MeetingSummaryServiceTest\$FallbackSummaryTests	2	● Başarılı
MeetingSummaryServiceTest\$GenerateSummaryTests	5	● Başarılı
MeetingSummaryServiceTest\$JsonParsingTests	2	● Başarılı
OpenAIClientTest\$ExtractTasksTests	2	● Başarılı
OpenAIClientTest\$GenerateSummaryTests	3	● Başarılı
OpenAIClientTest\$TranscribeAudioTests	3	● Başarılı
TaskExtractionServiceTest\$ExtractedTaskTests	5	● Başarılı
TaskExtractionServiceTest\$ParticipantExtractionTests	1	● Başarılı
TaskExtractionServiceTest\$PriorityParsingTests	3	● Başarılı
TaskExtractionServiceTest\$TaskItemStructureTests	3	● Başarılı
TranscriptionServiceTest\$SpeakerIdTests	1	● Başarılı
TranscriptionServiceTest\$TimeEstimationTests	1	● Başarılı
TranscriptionServiceTest\$TranscribeTests	6	● Başarılı

Test Detayları

TEST ADI	SÜRE	DURUM
Empty transcription should throw IllegalArgumentException	4.908s	● Başarılı
Valid transcription should return task list	0.741s	● Başarılı
Valid transcription should return summary	0.053s	● Başarılı
Empty transcription should throw IllegalArgumentException	0.012s	● Başarılı
Null transcription should throw IllegalArgumentException	0.012s	● Başarılı
Non-existent file should throw IllegalArgumentException	0.013s	● Başarılı

TEST ADI	SÜRE	DURUM
API error should throw IOException	0.056s	● Başarılı
Valid audio file should return transcription	0.015s	● Başarılı
Empty meeting title should use default	0.062s	● Başarısız
Missing file path should return error	0.004s	● Başarısız
Valid file path should return analysis result	0.023s	● Başarısız
Valid audio file should return analysis result	0.023s	● Başarısız
Empty file should handle gracefully	0.004s	● Başarısız
Transcription failure should return error	0.018s	● Başarısız
Health endpoint should return healthy status	0.858s	● Başarılı
Should update existing audio message transcription	0.009s	● Başarılı
Should save new audio message entity	0.008s	● Başarılı
Should send correct data to each producer	0.241s	● Başarılı
Should send all three types of events to Kafka	0.008s	● Başarılı
Transcription failure should not crash the pipeline	0.013s	● Başarılı
Kafka producer failure should not crash the pipeline	0.018s	● Başarılı
Valid audio event should trigger full processing pipeline	0.008s	● Başarılı
Existing audio message should be updated	0.008s	● Başarılı
Task extraction failure should not stop summary generation	0.012s	● Başarılı
Fallback summary should have valid structure	0.031s	● Başarılı
Fallback summary should contain participants from transcription	0.009s	● Başarılı
Invalid JSON should return fallback summary	0.022s	● Başarılı
Valid transcription should return summary	0.017s	● Başarılı

TEST ADI	SÜRE	DURUM
OpenAI API failure should return fallback summary	0.005s	● Başarılı
GPT response with extra text should extract JSON correctly	0.005s	● Başarılı
Empty transcription should return fallback summary	0.005s	● Başarılı
Should handle missing optional fields	0.059s	● Başarılı
Should handle null array values	0.005s	● Başarılı
Invalid JSON should return null	0.007s	● Başarılı
GPT response with extra text should extract JSON correctly	0.004s	● Başarılı
Valid transcription should return extracted tasks	0.005s	● Başarılı
OpenAI API failure should return null	0.004s	● Başarılı
Empty task list should return empty tasks	0.003s	● Başarılı
Should extract unique participants from segments	0.009s	● Başarılı
Should handle invalid priority with default MEDIUM	0.006s	● Başarılı
Should handle missing priority with default MEDIUM	0.004s	● Başarılı
Should parse all priority levels correctly	0.004s	● Başarılı
Each task should have unique ID	0.004s	● Başarılı
All tasks should have confidence score	0.01s	● Başarılı
All tasks should have PENDING status by default	0.009s	● Başarılı
Speaker names should generate correct IDs	0.002s	● Başarılı
Segments should have estimated timestamps	0.01s	● Başarılı
Valid audio event should return transcription result	0.002s	● Başarılı
Empty transcription should return result with empty segments	0.002s	● Başarılı
OpenAI API failure should return null	0.005s	● Başarılı

TEST ADI	SÜRE	DURUM
Transcription with bracketed speaker names should parse correctly	0.003s	● Başarılı
Transcription with single speaker should parse correctly	0.003s	● Başarılı
Transcription without speaker pattern should return empty segments	0.003s	● Başarılı
compressIfNeeded should accept File object	0.01s	● Başarılı
File under 25MB should not be compressed	0.007s	● Başarılı
getFileSizeInMB should calculate correctly	0.038s	● Başarılı
needsCompression should identify large files	0.035s	● Başarılı
Should handle zero-size file	0.023s	● Başarılı