Healthcare Test Case Generator

Jira Upload Report

Project Information

Field	Value
Project Key	MED
Project Name	MediCare EHR System
Project Type	Software Development
Lead	john.doe@healthcare.com
Description	Electronic Health Record system development project

Epics Uploaded

Epic 1: MED-100 - Patient Data Management

Field	Value
Key	MED-100
Summary	Patient Data Management
Description	Epic for all patient data management functionality including storage, retrieval, and security
Status	In Progress
Priority	High
Labels	patient-data, core-functionality
Compliance Standards	HIPAA, FDA

Epic 2: MED-101 - Security and Compliance

Field	Value
Key	MED-101
Summary	Security and Compliance
Description	Epic for security features and regulatory compliance implementation
Status	To Do

Priority	Critical
Labels	security, compliance, regulatory
Compliance Standards	HIPAA, FDA, IEC 62304, ISO 27001

Epic 3: MED-102 - Clinical Decision Support

Field	Value
Key	MED-102
Summary	Clinical Decision Support
Description	Epic for clinical decision support features and workflow integration
Status	To Do
Priority	High
Labels	clinical, decision-support, workflow
Compliance Standards	FDA, IEC 62304

User Stories Uploaded

Story 1: MED-200 - Implement Patient Data Encryption

Field	Value
Key	MED-200
Summary	Implement Patient Data Encryption
Description	As a healthcare provider, I need patient data to be encrypted so that sensitive information i
Epic	MED-101
Issue Type	Story
Status	In Progress
Priority	Critical
Assignee	security.team@healthcare.com
Labels	encryption, security, patient-data
Story Points	8
Compliance Standards	HIPAA, ISO 27001

Acceptance Criteria:
1. All patient data stored in database is encrypted using AES-256
2. Data transmission uses TLS 1.3 encryption
3. Encryption keys are managed using secure key management system
4. Data remains encrypted during backup operations

Story 2: MED-201 - Multi-Factor Authentication Implementation

Field	Value
Key	MED-201
Summary	Multi-Factor Authentication Implementation
Description	As a system administrator, I need multi-factor authentication to be implemented so that use
Epic	MED-101
Issue Type	Story
Status	To Do
Priority	Critical
Assignee	security.team@healthcare.com
Labels	authentication, security, mfa
Story Points	5
Compliance Standards	HIPAA, ISO 27001, IEC 62304

Acceptance Criteria:

1. Users must authenticate with username and password
2. Second factor authentication (SMS, email, or authenticator app) is required
3. Session timeout occurs after 30 minutes of inactivity
4. Failed login attempts are logged and account locked after 5 attempts

Story 3: MED-202 - Audit Trail and Logging System

Field	Value
Key	MED-202
Summary	Audit Trail and Logging System
Description	As a compliance officer, I need comprehensive audit logging so that all user actions and da
Epic	MED-101
Issue Type	Story
Status	In Progress
Priority	High
Assignee	compliance.team@healthcare.com
Labels	audit, logging, compliance
Story Points	13
Compliance Standards	FDA, HIPAA, ISO 13485

Acceptance Criteria:
1. All user actions are logged with timestamp, user ID, and action details
2. Data access events are logged including what data was accessed
3. Audit logs are tamper-proof and cannot be modified
4. Audit logs are retained for minimum 7 years
5. Audit logs can be exported for regulatory review

Story 4: MED-203 - Automated Backup and Recovery System

Field	Value
Key	MED-203
Summary	Automated Backup and Recovery System
Description	As a system administrator, I need automated backup and recovery capabilities so that patie
Epic	MED-100
Issue Type	Story
Status	To Do
Priority	Critical
Assignee	infrastructure.team@healthcare.com
Labels	backup, recovery, disaster-recovery
Story Points	8
Compliance Standards	HIPAA, ISO 13485

1. Automated daily backups are performed at 2:00 AM
2. Backups are stored in geographically separate location
3. Backup integrity verification is performed after each backup
4. System can be restored from backup within 4 hours
5. Point-in-time recovery is available for last 30 days

Story 5: MED-204 - Clinical Decision Support for Drug Interactions

Field	Value
Key	MED-204
Summary	Clinical Decision Support for Drug Interactions
Description	As a healthcare provider, I need drug interaction checking so that I can avoid prescribing m
Epic	MED-102
Issue Type	Story
Status	To Do
Priority	High
Assignee	clinical.team@healthcare.com
Labels	clinical, drug-interactions, decision-support
Story Points	13
Compliance Standards	FDA, IEC 62304

Acceptance Criteria:
1. Drug interaction checking is performed before medication orders
2. Allergy alerts are displayed when prescribing medications
3. Clinical guidelines are accessible and contextually relevant
4. Decision support alerts are configurable by healthcare providers
5. All alerts are logged for quality improvement purposes

Story 6: MED-205 - System Performance Optimization

Field	Value
Key	MED-205
Summary	System Performance Optimization
Description	As a healthcare provider, I need the system to respond quickly so that I can efficiently care
Epic	MED-100
Issue Type	Story
Status	In Progress
Priority	Medium
Assignee	performance.team@healthcare.com
Labels	performance, optimization, scalability

Field	Value
Story Points	8
Compliance Standards	ISO 13485

1. 95% of user queries respond within 2 seconds
2. System supports 1000 concurrent users without degradation
3. Database queries are optimized for sub-second response times
4. System availability is 99.9% during business hours

Story 7: MED-206 - GDPR Data Privacy Controls

Field	Value
Key	MED-206
Summary	GDPR Data Privacy Controls
Description	As a patient, I need control over my personal data so that my privacy rights are respected a
Epic	MED-101
Issue Type	Story
Status	To Do
Priority	High
Assignee	privacy.team@healthcare.com
Labels	privacy, gdpr, data-controls
Story Points	13
Compliance Standards	GDPR, HIPAA

Acceptance Criteria:
1. Patient consent is obtained before data collection
2. Consent can be withdrawn at any time
3. Data processing purposes are clearly documented
4. Right to data portability is supported
5. Right to data erasure is implemented with audit trail

Story 8: MED-207 - HL7 FHIR Integration

Field	Value
Key	MED-207
Summary	HL7 FHIR Integration
Description	As a healthcare system administrator, I need HL7 FHIR integration so that the EHR can ex
Epic	MED-102
Issue Type	Story
Status	To Do
Priority	Medium
Assignee	integration.team@healthcare.com

Labels	integration, hl7, fhir, interoperability
Story Points	21
Compliance Standards	IEC 62304, ISO 13485

Acceptance Criteria:
1. HL7 FHIR R4 standard is supported for data exchange
2. DICOM integration is available for medical imaging
3. SMART on FHIR apps can be integrated
4. Data mapping and transformation tools are provided
5. API documentation is available for third-party integrations

Tasks Uploaded

Task 1: MED-300 - Implement AES-256 Encryption for Database

Field	Value
Key	MED-300
Summary	Implement AES-256 Encryption for Database
Parent	MED-200
Issue Type	Task
Status	In Progress
Assignee	security.team@healthcare.com
Labels	encryption, database, implementation
Story Points	3

Task 2: MED-301 - Configure TLS 1.3 for Data Transmission

Field	Value
Key	MED-301
Summary	Configure TLS 1.3 for Data Transmission
Parent	MED-200
Issue Type	Task
Status	To Do
Assignee	security.team@healthcare.com
Labels	encryption, tls, network
Story Points	2

Task 3: MED-302 - Set up Key Management System

Field	Value
Key	MED-302
Summary	Set up Key Management System
Parent	MED-200
Issue Type	Task
Status	To Do
Assignee	security.team@healthcare.com
Labels	encryption, key-management, security
Story Points	3

Task 4: MED-303 - Implement User Authentication Backend

Field	Value
Key	MED-303
Summary	Implement User Authentication Backend
Parent	MED-201
Issue Type	Task
Status	To Do
Assignee	auth.team@healthcare.com
Labels	authentication, backend, security
Story Points	5

Task 5: MED-304 - Integrate MFA Provider

Field	Value
Key	MED-304
Summary	Integrate MFA Provider
Parent	MED-201
Issue Type	Task
Status	To Do
Assignee	auth.team@healthcare.com
Labels	mfa, integration, security
Story Points	3

Upload Summary

Item Type	Count
Epics	3
User Stories	8
Tasks	5
Total Issues	16

Report Generated: 2025-09-21 01:06:51