

Healthcare Portal - Test Scenarios

Sprint 14 | Regression Suite | Last Updated: Jan 2025

■ PATIENT REGISTRATION MODULE

- **REG-001** - New Patient Signup [HIGH] [Functional]
 - Prereq: Email not already in system
 - Steps:
 1. Click "Create Account"
 2. Fill: name, DOB, email, phone, SSN (last 4)
 3. Set password (min 10 chars, 1 upper, 1 number, 1 special)
 4. Accept HIPAA consent
 5. Submit
 - Expected: Account created, verification email sent, welcome SMS
- **REG-002** - Duplicate Email Prevention [MEDIUM] [Validation]
 - Try registering with existing email
 - Should see: "Email already registered. Forgot password?"
 - No duplicate account created
- **REG-003** - SSN Validation [HIGH] [Security]
 - Enter invalid SSN formats: "0000", "abc", "12345"
 - All should be rejected with specific error
 - SSN must be encrypted in database (verify via DB query)

■ APPOINTMENT SCHEDULING

- **APT-001** - Book New Appointment [HIGH]
 - Type: Functional + Integration
 - Login as patient
 - Navigate: Dashboard → Appointments → Schedule New
 - Select: Department, Doctor, Date/Time
 - Confirm booking
 - Verify:
 - Appointment shows in calendar
 - Confirmation email received
 - Doctor's schedule updated
 - Reminder scheduled for 24h before
- **APT-002** - Double Booking Prevention [CRITICAL]
 - Two patients try to book same doctor, same slot simultaneously
 - Only ONE should succeed
 - Other gets "Slot no longer available" + alternatives
- **APT-003** - Cancellation within 24h [MEDIUM] [Business Rule]
 - Try to cancel appointment scheduled in 12 hours
 - Should show warning about late cancellation fee (\$25)
 - If confirmed: appointment cancelled, fee charged, slot released

■ MEDICAL RECORDS ACCESS

- **MED-001** - View Own Records [HIGH] [HIPAA Compliance]

- Patient logs in, goes to "My Records"
- Should see: lab results, prescriptions, visit notes
- Access logged in audit trail with timestamp + IP
- **MED-002** - Unauthorized Access Attempt [CRITICAL] [Security]
 - Modify URL to access another patient's record ID
 - Should get 403 Forbidden
 - Attempt logged + alert sent to security team
- **MED-003** - Download Records as PDF [MEDIUM]
 - Click "Export" on records page
 - Select date range and record types
 - PDF generated with watermark "CONFIDENTIAL"
 - Download logged in audit

■ PRESCRIPTION MANAGEMENT

- **RX-001: Request Refill (Priority=Medium, Type=Functional)**
 - Go to active prescriptions
 - Click "Request Refill" on eligible med
 - Select pharmacy
 - Submit request
 - EXPECTED: Request sent to doctor, status "Pending Approval", ETA shown
- **RX-002: Controlled Substance Refill Limit (Priority=Critical, Type=Compliance)**
 - Attempt refill on Schedule II drug before allowed date
 - EXPECTED: Blocked with message "Early refill not permitted per DEA regulations"
 - No request sent, logged for compliance audit
- **RX-003: Drug Interaction Warning (Priority=Critical, Type=Safety)**
 - Doctor prescribes drug that interacts with existing med
 - EXPECTED: Warning popup, doctor must acknowledge to proceed
 - Interaction documented in patient record