User Acceptance Testing (UAT) Report

Date: 15/04/2025

Team ID: SWTID1720278137

Project Name: Book a Doctor (DocEase)

Maximum Marks: —

# Project Overview

Project Name: Book a Doctor Platform (DocEase)

Project Description: DocEase is a full-stack Doctor Appointment Booking platform built using the MERN stack (MongoDB, Express.js, React, Node.js). It allows patients to seamlessly search for doctors, book appointments, and manage bookings through a responsive and intuitive interface. Doctors can manage their availability, appointment slots, and profiles. The platform ensures real-time functionality, data security, and a streamlined healthcare experience.

Project Version: v1.0.0

Testing Period: 13/03/2025 to 15/04/2025

# Testing Scope

Features and Functionalities to be Tested:

* ● User Registration and Login
* ● Doctor Profile Browsing
* ● Appointment Booking System
* ● Dashboard (Doctor/Patient)
* ● Responsive Design
* ● Error Handling and Validation
* ● Admin Panel Features
* ● Security Measures
* ● Database Connectivity and CRUD Operations

User Stories or Requirements:

* ● As a patient, I want to sign up and log in so that I can book appointments securely.
* ● As a patient, I want to view a list of available doctors based on specialty or location.
* ● As a patient, I want to book and manage appointments through a calendar interface.
* ● As a doctor, I want to manage my profile, schedule availability, and view upcoming appointments.
* ● As an admin, I want to monitor users, doctors, and appointment data in a structured dashboard.
* ● As a user, I want to be notified upon successful booking or changes to appointments.

# Testing Environment

URL/Location: http://localhost:3000 (Frontend), http://localhost:5000 (Backend API)

# Test Cases

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Scenario | Test Steps | Expected Result | Actual Result | Pass/Fail |
| TC-001 | Patient Registration | 1. Go to Signup 2. Fill form 3. Submit | New patient account is created | Account successfully created | Pass |
| TC-002 | Patient Login | 1. Navigate to Login 2. Enter credentials 3. Submit | Redirect to patient dashboard | Redirected to dashboard | Pass |
| TC-003 | Doctor Search | 1. Go to homepage 2. Enter specialty/location 3. Search | List of doctors matching criteria displayed | Matching doctors displayed | Pass |
| TC-004 | Appointment Booking | 1. Login as patient 2. Choose doctor 3. Book slot | Appointment is booked and confirmation shown | Confirmation received | Pass |
| TC-005 | Doctor Dashboard | 1. Login as doctor 2. View dashboard | List of upcoming appointments visible | Appointments listed properly | Pass |
| TC-006 | Admin Panel | 1. Login as admin 2. Access panel | User and appointment stats visible | Admin data loaded correctly | Pass |
| TC-007 | Form Validation | 1. Leave fields empty 2. Submit form | Error messages shown | Validation errors shown | Pass |

# Bug Tracking

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Bug ID | Bug Description | Steps to Reproduce | Severity | Status | Feedback |
| BG-001 | Appointment not shown immediately in doctor dashboard | 1. Book as patient 2. Login as doctor 3. View dashboard | Medium | Closed | Fixed with real-time DB sync |
| BG-002 | Invalid time input causes crash | 1. Select time manually 2. Click book | High | Closed | Added input validation for time slots |

# Sign-off

Tester Name: Priyanshu Sharma

Date: 15/04/2025

Signature: Priyanshu Sharma

# Notes

● All critical and high-severity bugs were addressed during the testing period.  
● Functionality and user flow have been verified with positive and negative scenarios.  
● Future improvements may include OTP login, multilingual support, and payment gateway integration.