

# MedFlow AI - QA Verification Report

Date: 2025-11-30

URL: <https://medflow-ai-4-15303273-59d4d.web.app/>

## 1. Authentication

### Invalid Login Error

The screenshot shows the MedFlow AI dashboard with a navigation bar at the top. The main area displays various patient status cards. A prominent red error message 'Error message displayed for invalid credentials.' is overlaid on the dashboard.

**Dashboard Overview:**

- Total Patients:** 145 (+12% from yesterday)
- Critical Attention:** 56 Requires immediate action
- Waiting Room:** 37 Avg wait: 14m
- Active Treatment:** 90
- Discharged / Completed:** 18

**Waiting Room Patients:**

Name	Age / Gender	PAT ID	Status	Last Update
Test Patient 1764474214731	30y / Male	PAT-1764	NONE	09:28 AM
Test Patient 1764474186705	30y / Male	PAT-1764	NONE	09:28 AM
Test Patient 1764474106451	30y / Male	PAT-1764	NONE	09:28 AM
Sarah Chen	28y / Female	PAT-002	GREEN	09:28 AM
Test Patient B	45y / Female	PAT-1764	NONE	09:28 AM

**Active Treatment Patients:**

Name	Age / Gender	PAT ID	Status	Last Update
Robert Johnson	72y / Male	PAT-003	RED	09:28 AM
James Wilson	45y / Male	PAT-001	YELLOW	09:28 AM
Ishaan Iyer	44y / Male	PAT-GEN-	YELLOW	09:28 AM
Krishna Nair	41y / Female	PAT-GEN-	RED	09:28 AM
Muhammad Das	38y / Male	PAT-GEN-	RED	09:28 AM

**Discharged / Completed Patients:**

Name	Age / Gender	PAT ID	Status	Last Update
Shaurya Khan	47y / Female	PAT-GEN-	YELLOW	09:28 AM
Krishna Mishra	59y / Female	PAT-1764	YELLOW	09:28 AM
Aarav Choudhury	42y / Male	PAT-1764	GREEN	09:28 AM
Rohan Rao	42y / Female	PAT-1764	RED	09:28 AM
Vikram Bhat	21y / Female	PAT-1764	RED	09:28 AM

**System Status:** Firebase Connected

Error message displayed for invalid credentials.

# Dashboard (Successful Login)

The dashboard displays the following key metrics:

- Total Patients: 145 (+12% from yesterday)
- Critical Attention: 56 Requires immediate action
- Waiting Room: 37 Avg wait: 14m
- Active Treatment: 98
- Discharged / Completed: 18

Search patients... [+ Check In](#)

Waiting Room	Active Treatment	Discharged / Completed
Test Patient 1764474214731 30y / Male • PAT-1764 09:31 AM	Robert Johnson 72y / Male • PAT-003 09:31 AM	Shayra Khan 47y / Female • PAT-GEN- 09:31 AM
Test Patient 1764474186705 30y / Male • PAT-1764 09:31 AM	James Wilson 45y / Male • PAT-001 09:31 AM	Krishna Mishra 59y / Female • PAT-1764 09:31 AM
Test Patient 1764474106451 30y / Male • PAT-1764 09:31 AM	Ishaan Iyer 44y / Male • PAT-GEN- 09:31 AM	Aarav Choudhury 42y / Male • PAT-1764 09:31 AM
Sarah Chen 28y / Female • PAT-002 09:31 AM	Krishna Nair 41y / Female • PAT-GEN- 09:31 AM	Rohan Rao 42y / Female • PAT-1764 09:31 AM
Test Patient B 45y / Female • PAT-1764 09:31 AM	Muhammad Das 38y / Male • PAT-GEN- 09:31 AM	Vikram Bhat 21y / Female • PAT-1764 09:31 AM

Firebase Connected

User redirected to Dashboard after valid login.

## Deep Link (Logged In)

Patient not found

Firebase Connected

Navigating to patient URL while logged in.

## 2. Routing & Navigation

# Triage Board

The screenshot shows the 'Triage Queue' section of the MedFlowAI platform. It lists seven patients with their names, ages, genders, symptoms, and AI suggestions. The patients are:

- Test Patient 1764474214731**: 30, Male, Severe headache. AI Suggestion: Unknown.
- Test Patient 1764474186705**: 30, Male, Severe headache. AI Suggestion: Unknown.
- Test Patient 1764474106451**: 30, Male, Severe headache. AI Suggestion: Unknown.
- Test Patient B**: 45, Female, Chest Pain. AI Suggestion: Emergency.
- bleh**: 12, Male, chest pain. AI Suggestion: Emergency.
- Aditya Reddy**: 26, Male, Giddiness and increased thirst. AI Suggestion: General Medicine.
- Vishaan Patel**: 23, Female. AI Suggestion: General Medicine.

A 'Firebase Connected' badge is visible in the bottom right corner.

/triage route loads correctly.

## Consultant View

The screenshot shows the 'Consultant Dashboard' section of the MedFlowAI platform. It displays nine patient monitoring cards, each showing a patient's name, age, gender, location, risk level, and recent vital sign changes. The patients are:

- Robert Johnson**: 72y / Male | @ Ward A • Bed 03 | High Risk | 4 changes in 24h. HR: 69, BP: 126, SPO<sub>2</sub>: 99%.
- Krishna Nair**: 41y / Female | @ Ward A • Bed 07 | High Risk | 3 changes in 24h. HR: 60, BP: 93, SPO<sub>2</sub>: 94%.
- Muhammad Das**: 38y / Male | @ Ward A • Bed 06 | High Risk | 3 changes in 24h. HR: 102, BP: 112, SPO<sub>2</sub>: 92%.
- Sai Singh**: 29y / Female | @ Ward A • Bed 03 | High Risk | 4 changes in 24h. HR: 87, BP: 181, SPO<sub>2</sub>: 99%.
- Rohan Rao**: 42y / Female | @ Ward A • Bed 35 | High Risk | 4 changes in 24h. HR: 88, BP: 182, SPO<sub>2</sub>: 97%.
- Vikram Bhat**: 21y / Female | @ Ward A • Bed 23 | High Risk | 3 changes in 24h. HR: 56, BP: 91, SPO<sub>2</sub>: 98%.
- Vikram Iyer**: 34y / Female | @ Ward A • Bed 35 | High Risk | 2 changes in 24h. HR: 87, BP: 181, SPO<sub>2</sub>: 99%.
- Aarav Patel**: 35y / Female | @ Ward A • Bed 15 | High Risk | 3 changes in 24h. HR: 88, BP: 182, SPO<sub>2</sub>: 97%.
- Sai Rao**: 52y / Female | @ Ward A • Bed 35 | High Risk | 2 changes in 24h. HR: 56, BP: 91, SPO<sub>2</sub>: 98%.

A 'Firebase Connected' badge is visible in the bottom right corner.

/consultant route loads correctly.

## 3. Patient Detail Tabs

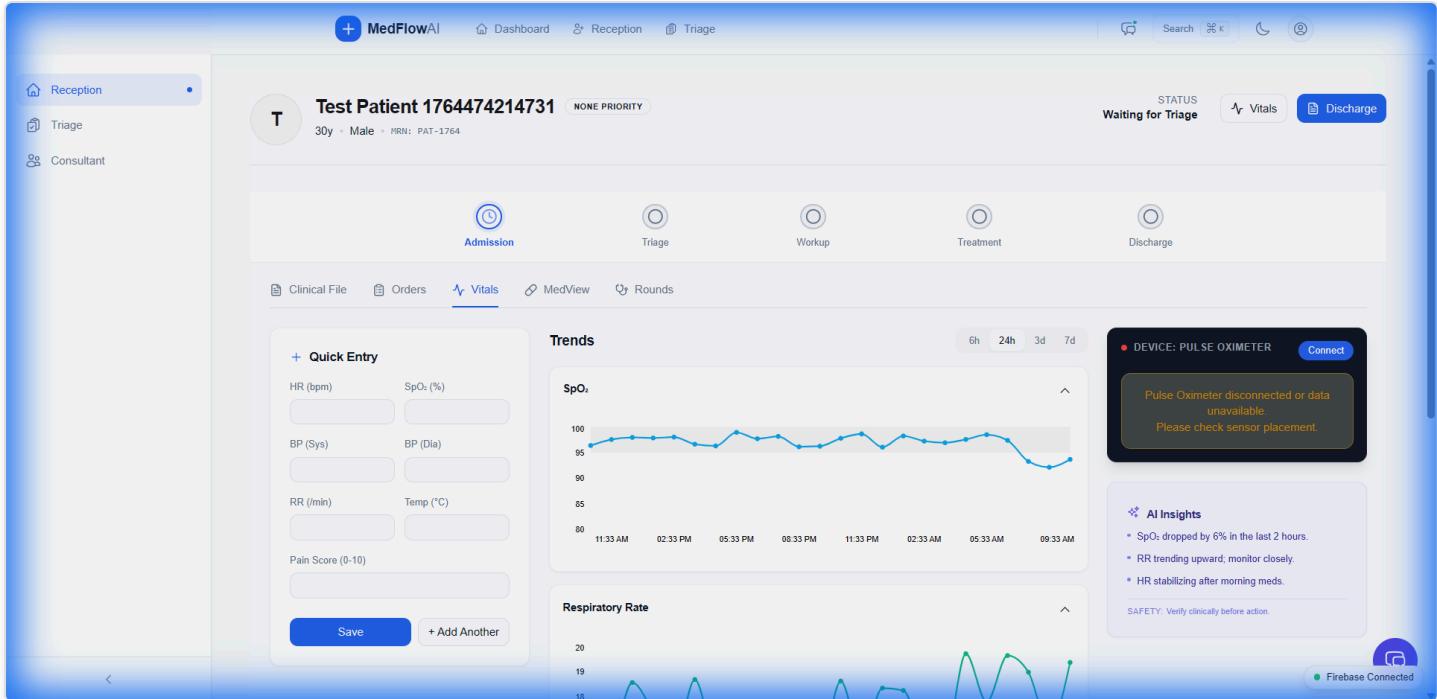
# Clinical File

The screenshot shows the MedFlowAI Clinical File interface. At the top, there's a navigation bar with 'MedFlowAI' logo, 'Dashboard', 'Reception', 'Triage', and search/filter icons. On the left, a sidebar has 'Reception' (selected), 'Triage', and 'Consultant'. The main area shows a patient summary for 'Test Patient 1764474214731' (30y Male, MRN: PAT-1764) with 'NONE PRIORITY'. Below the summary are five circular status icons: Admission, Triage, Workup, Treatment, and Discharge. A purple banner at the top says 'AI Clinical Scribe' with a sub-instruction 'Dictate the entire case and let AI populate the file.' and a 'Start Scribe' button. The 'Clinical File' tab is selected. Under 'Presenting Complaint', it lists 'Severe headache' with 'Scan Missing' and 'Save & Collapse' buttons. Under 'History of Present Illness', there's a dropdown arrow. A 'Firebase Connected' badge is in the bottom right.

## Orders

This screenshot shows the 'Orders' section of the MedFlowAI Clinical File. The layout is similar to the Clinical File screen, with the same top navigation and sidebar. The patient summary for 'Test Patient 1764474214731' is present. The 'Orders' tab is selected. On the left, there's a search bar and category filters for 'Labs', 'Imaging', 'Meds', and 'Procedures'. A list of available investigations includes: Complete Blood Count (CBC), Basic Metabolic Panel (BMP), Comprehensive Metabolic Panel (CMP), Liver Function Tests (LFT), Lipid Panel, Thyroid Stimulating Hormone (TSH), Hemoglobin A1c, Urinalysis, and Urine Culture. The main right panel shows 'Active Orders (0)' with a 'Sign & Send' button. A note below says 'No active orders'. A 'Firebase Connected' badge is in the bottom right.

# Vitals



The screenshot shows the MedFlowAI Vitals dashboard for a patient named "Test Patient 1764474214731" (Priority: NONE). The top navigation bar includes links for Reception, Triage, and Consultant, along with a search bar and user profile icons.

The main header displays the patient's name, age (30y), gender (Male), and MRN (PAT-1764). The status is shown as "Waiting for Triage". Below the header are five circular icons representing Admission, Triage, Workup, Treatment, and Discharge.

The navigation bar below the header includes Clinical File, Orders, Vitals (which is selected and highlighted in blue), MedView, and Rounds.

The "Trends" section displays two line graphs: "SpO<sub>2</sub>" and "Respiratory Rate". The "SpO<sub>2</sub>" graph shows a fluctuating line with markers at 11:33 AM, 02:33 PM, 05:33 PM, 08:33 PM, 11:33 PM, 02:33 AM, 05:33 AM, and 09:33 AM. The "Respiratory Rate" graph shows a line with markers at the same times, showing a slight upward trend.

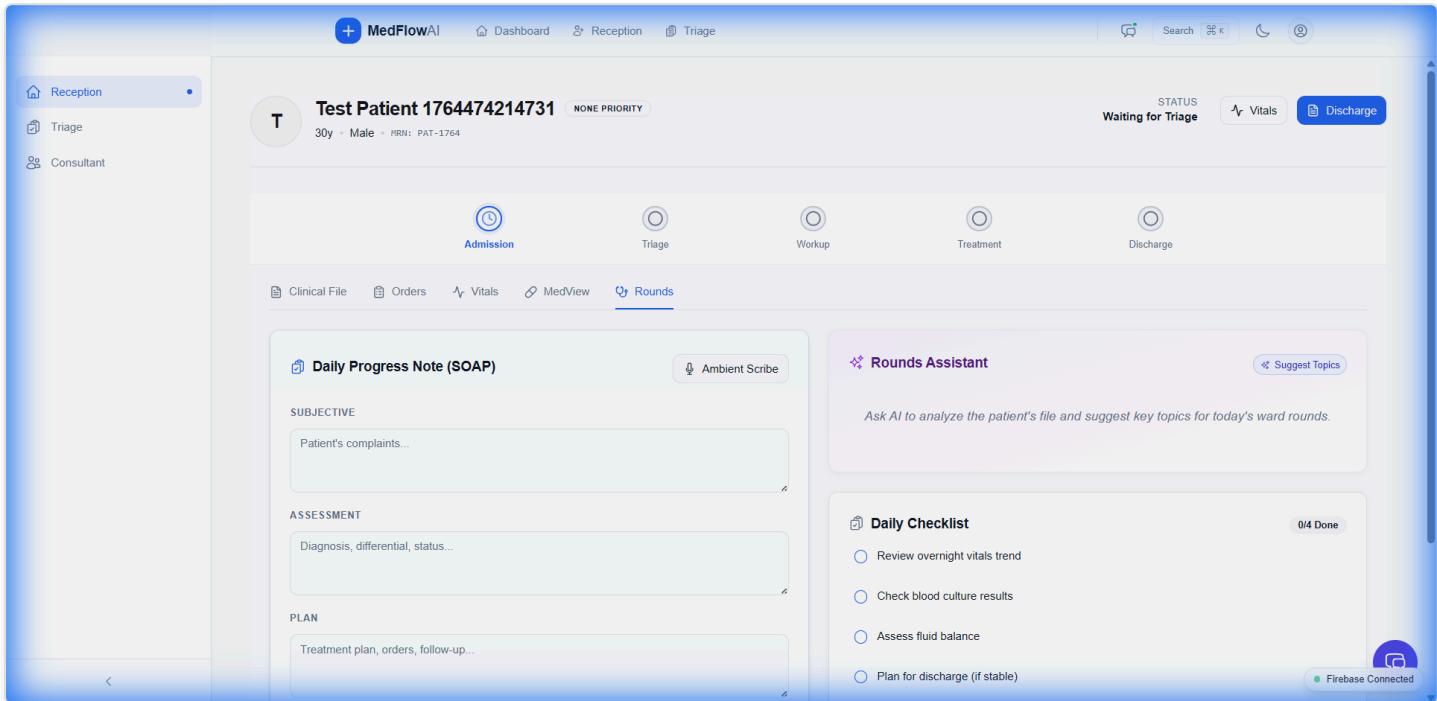
A "Quick Entry" section allows for rapid input of vital signs: HR (bpm), SpO<sub>2</sub> (%), BP (Sys/Dia), RR (l/min), Temp (°C), and Pain Score (0-10). Buttons for "Save" and "+ Add Another" are present.

An "AI Insights" box provides real-time monitoring: "Pulse Oximeter disconnected or data unavailable. Please check sensor placement." It also lists AI trends: "SpO<sub>2</sub> dropped by 6% in the last 2 hours.", "RR trending upward, monitor closely.", and "HR stabilizing after morning meds." A "SAFETY: Verify clinically before action" note is included.

A "Device Alert" box indicates a "PULSE OXIMETER" issue with a "Connect" button.

The bottom right corner shows a "Firebase Connected" badge.

## Rounds



The screenshot shows the MedFlowAI Rounds dashboard for the same patient. The top navigation bar and header are identical to the Vitals screen.

The navigation bar below the header includes Clinical File, Orders, Vitals, MedView, and Rounds (selected).

The "Daily Progress Note (SOAP)" section contains three expandable fields: SUBJECTIVE (Patient's complaints...), ASSESSMENT (Diagnosis, differential, status...), and PLAN (Treatment plan, orders, follow-up...).

The "Rounds Assistant" section prompts the user to "Ask AI to analyze the patient's file and suggest key topics for today's ward rounds." It includes a "Suggest Topics" button.

The "Daily Checklist" section lists four tasks: "Review overnight vitals trend", "Check blood culture results", "Assess fluid balance", and "Plan for discharge (if stable)". A progress indicator shows "0/4 Done".

A "Firebase Connected" badge is located in the bottom right corner.

## 4. Inputs & UI Components

# Clinical File Input

The screenshot shows the MedFlowAI clinical file input interface. At the top, there's a purple banner with the text "AI Clinical Scribe" and a sub-instruction "Dictate the entire case and let AI populate the file." A "Start Scribe" button is located in the top right corner of the banner. Below the banner, there are several expandable sections: "Presenting Complaint" (with a dropdown arrow), "History of Present Illness" (with a dropdown arrow), "Associated Symptoms" (with a dropdown arrow), "Medical History" (with a dropdown arrow), and "Allergies" (with a dropdown arrow). The "History of Present Illness" section contains a large text area with placeholder text "Test note entry." Below this text area are several small buttons labeled "+ Onset", "+ Duration", "+ Character", "+ Radiation", "+ Aggravating", and "+ Relieving". To the right of these buttons are "Auto-Format" and "Save" buttons. In the bottom right corner of the main input area, there's a "Firebase Connected" indicator.

Typing into HPI textarea.

## Orders Modal Input

The screenshot shows the MedFlowAI orders modal input interface for a patient identified as "Test Patient 1764474214731" with a "NONE PRIORITY" status. The patient's age is listed as "30y" and gender as "Male" with MRN "PAT-1764". The top right shows the "STATUS" as "Waiting for Triage" with buttons for "Vitals" and "Discharge". Below the patient info, there are five circular icons representing "Admission", "Triage", "Workup", "Treatment", and "Discharge". The "Orders" tab is selected in the navigation bar. On the left, there's a search bar with filters for "Labs", "Imaging", "Meds" (which is currently selected), and "Procedures". A list of medications is displayed on the left side:

- Paracetamol 500mg PO
- Paracetamol 1g IV
- Ibuprofen 400mg PO
- Morphine 2mg IV
- Fentanyl 50mcg IV
- Ondansetron 4mg IV
- Metoclopramide 10mg IV
- Pantoprazole 40mg IV
- Ceftriaxone 1g IV

In the center, there's a section titled "Active Orders (0)" with a "Sign & Send" button. At the bottom right, it says "No active orders". A "Firebase Connected" indicator is visible in the bottom right corner.

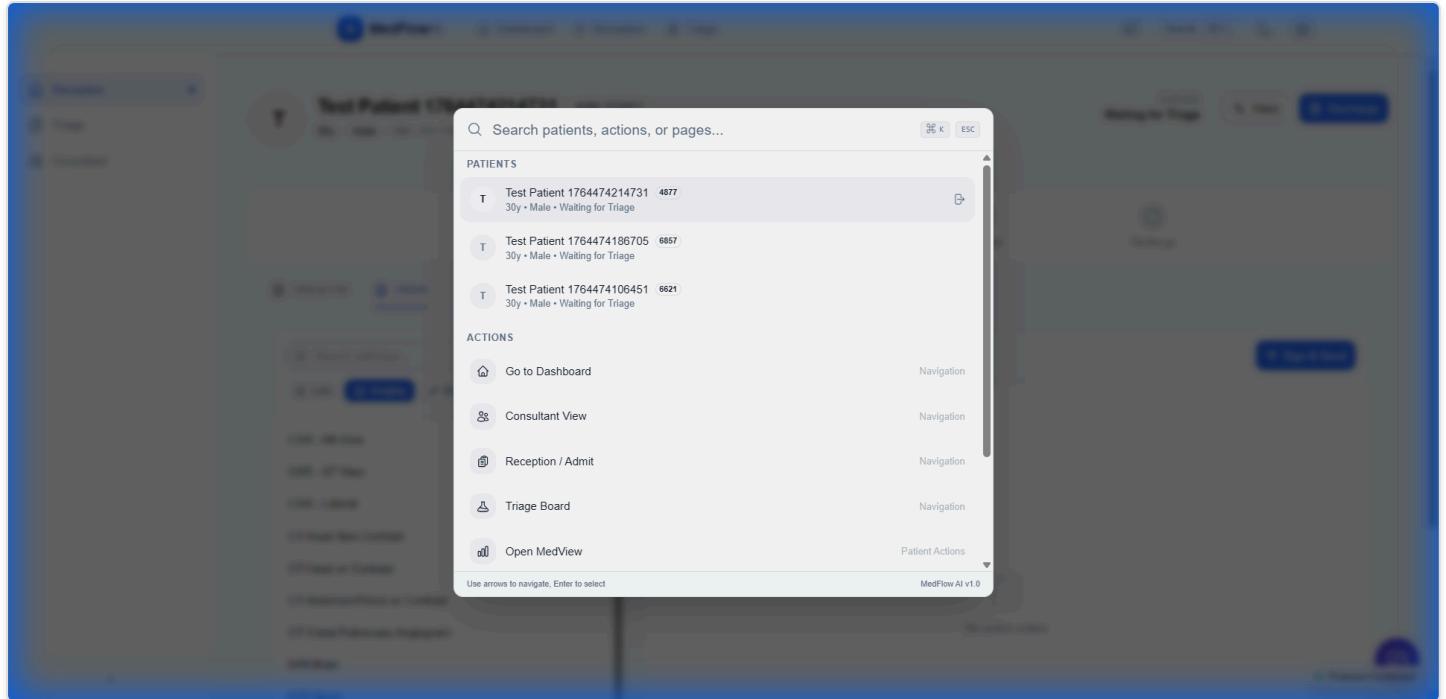
# Vitals Modal Input

The screenshot shows the MedFlowAI Triage interface for a patient named "Test Patient 1764474214731" (30y, Male, MRN: PAT-1764). The patient status is "Waiting for Triage". The interface includes tabs for Clinical File, Orders (selected), Vitals, MedView, and Rounds. The Vitals section contains a search bar and categories for Labs, Imaging, Meds, and Procedures. Under Imaging, the "Imaging" tab is selected, showing options like CXR - PA View, CXR - AP View, CXR - Lateral, CT Head Non-Contrast, CT Head w/ Contrast, CT Abdomen/Pelvis w/ Contrast, CT Chest Pulmonary Angiogram, MRI Brain, and MRI Spine. A note indicates "No active orders". A "Sign & Send" button is located in the top right corner.

## Command Palette

This screenshot is identical to the previous one, but the "Imaging" tab is explicitly highlighted in blue within the "Orders" tab group. The rest of the interface, including the patient details, status, and imaging list, remains the same.

# AI Chat Input

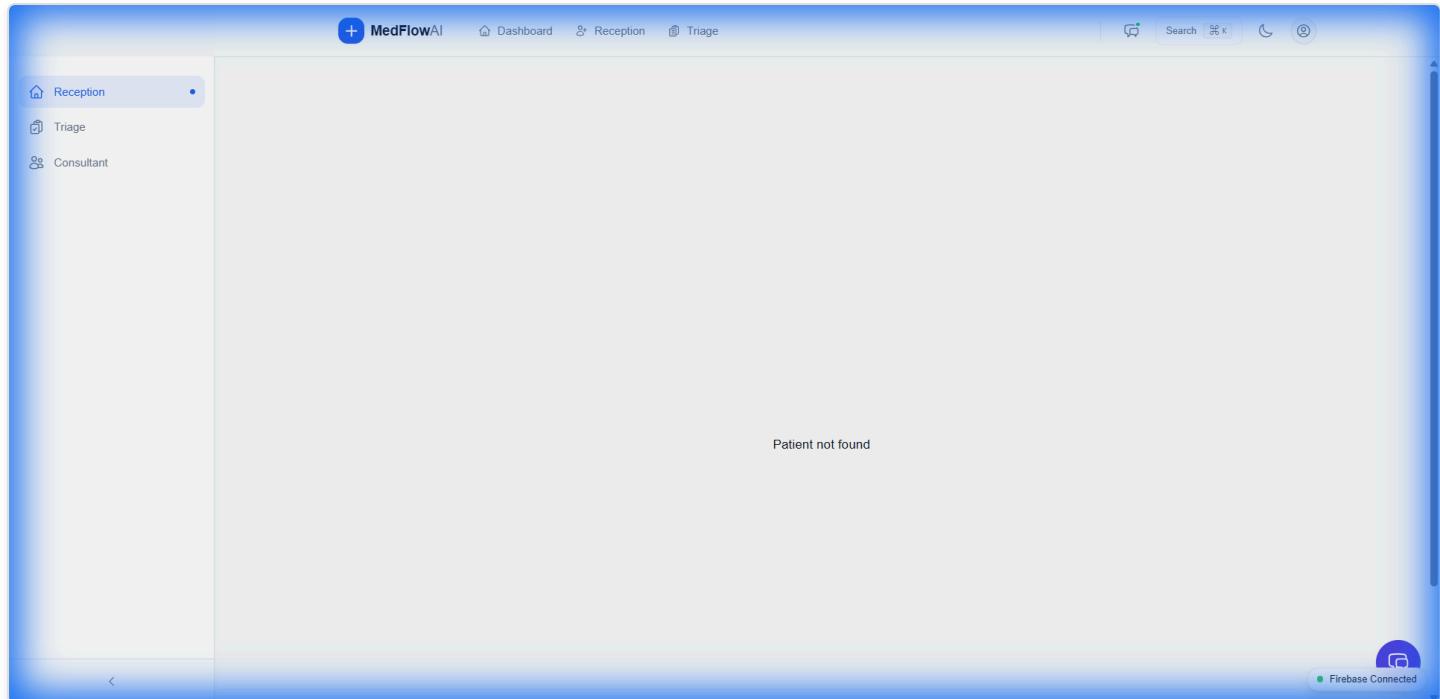


## 5. UI Polish & Error Handling

### Dark Mode

A screenshot of the "MedFlow" dashboard in dark mode. The top navigation bar includes "MedFlowAI", "Dashboard", "Reception", "Triage", "Search", and "Check In". On the left, a sidebar shows "Reception" (selected), "Triage", and "Consultant". The main area features a "Dashboard" card with "Total Patients: 145 +12% from yesterday" and a "Waiting Room" card with "37" patients. Below these are four columns of patient status cards: "Waiting Room", "Active Treatment", "Discharged / Completed", and "Critical Attention". Each card lists patient names, ages, genders, and treatment levels (e.g., RED, YELLOW, GREEN). A "Search patients..." bar and a "Firebase Connected" badge are also visible.

## Error Check (Invalid Patient)



*Handling of invalid patient ID.*