

Samsung 8.7" Tablet vs PC Interface Comparison Report On test.kenyahmis.org

Executive Summary

This report analyzes the user interface differences between the Samsung 8.7" tablet implementation and the PC (desktop/laptop) version across four main sections: Login Page, Landing Page, Registration, and Pharmacy (Dispensing). The comparison examines both portrait and landscape orientations for the tablet interface.

Priority Issue Classification

Critical Issues (Immediate Action Required):

1. **Registration ID Reversal Bug** - Data integrity and patient safety risk
2. **Pharmacy Action Button Overlay** - Blocks critical prescription information
3. **Registration Portrait Mode Field Invisibility** - Prevents data entry

High Priority Issues (Urgent Resolution Needed):

4. **Landing Page Navigation Bar Truncation** - Limits system functionality
5. **Login Image Rendering Quality** - Professional presentation concerns

Medium Priority Issues (Should be addressed):

6. **Footer Logo Alignment** - Brand consistency
7. **Landing Page User Detail Clarity** - Information accessibility
8. **County Logo positioning in bar area** - Interface clarity

Impact Assessment

Patient Safety Risks:

- **Registration ID Reversal:** Could lead to incorrect patient identification
- **Pharmacy Overlay Issue:** Prevents verification of medication details before dispensing

Workflow Disruption:

- **Navigation Issues:** Limit healthcare provider efficiency
- **Data Entry Problems:** Slow down patient registration processes

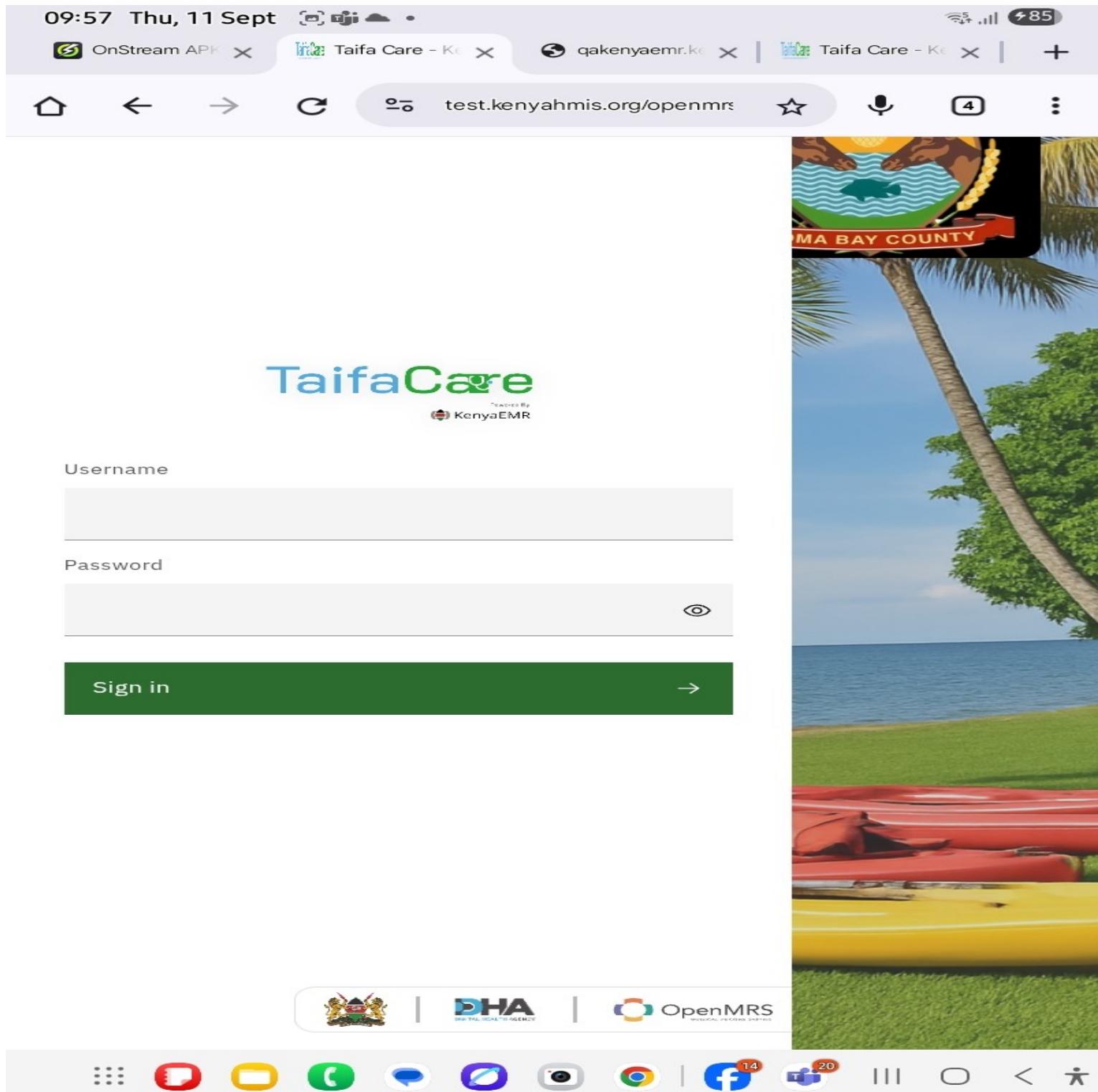
Professional Presentation:

- **Image Quality Issues:** Affect institutional branding and professional appearance

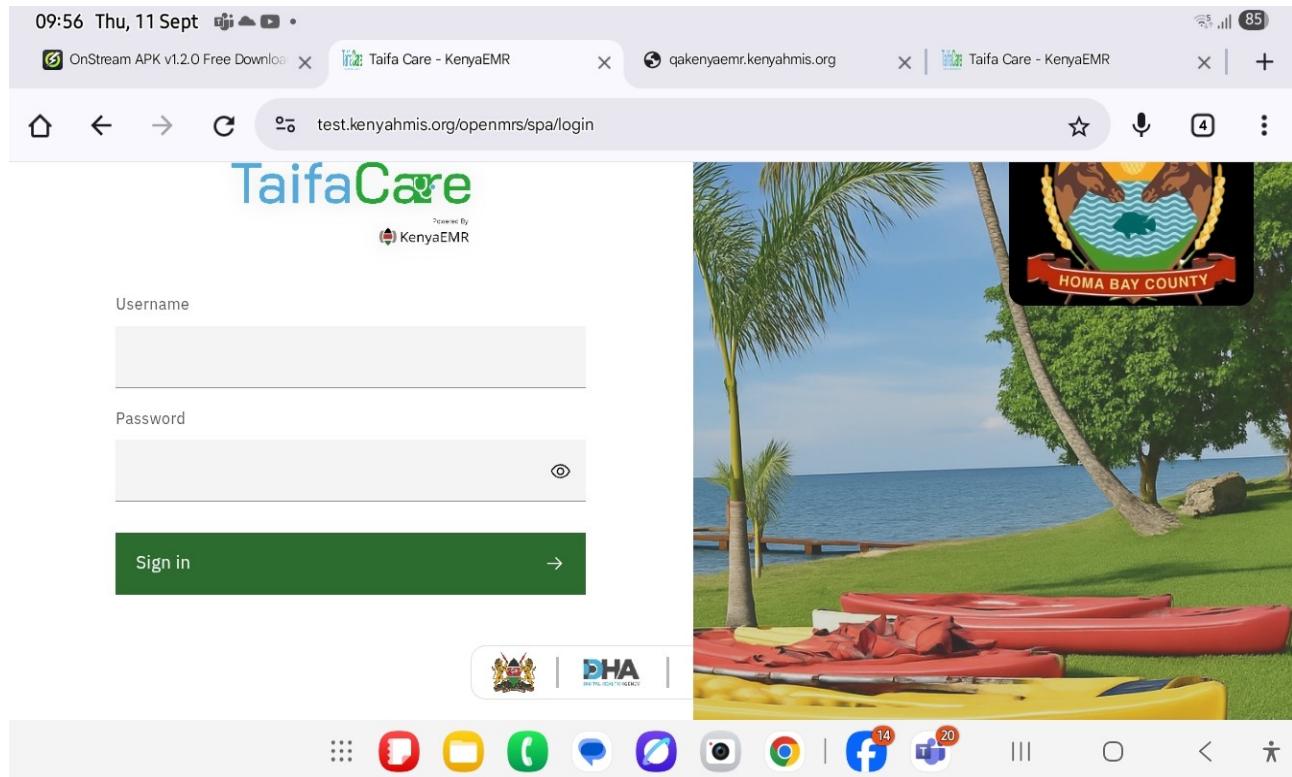
Login page

- Poor image rendering size and distorted logos in portrait mode
- Footer logo misalignment (center vs. PC alignment) and in Landscape mode the openmrs logo is push inside the image hence not visible
- County logo positioning conflicts with URL area bar in both modes

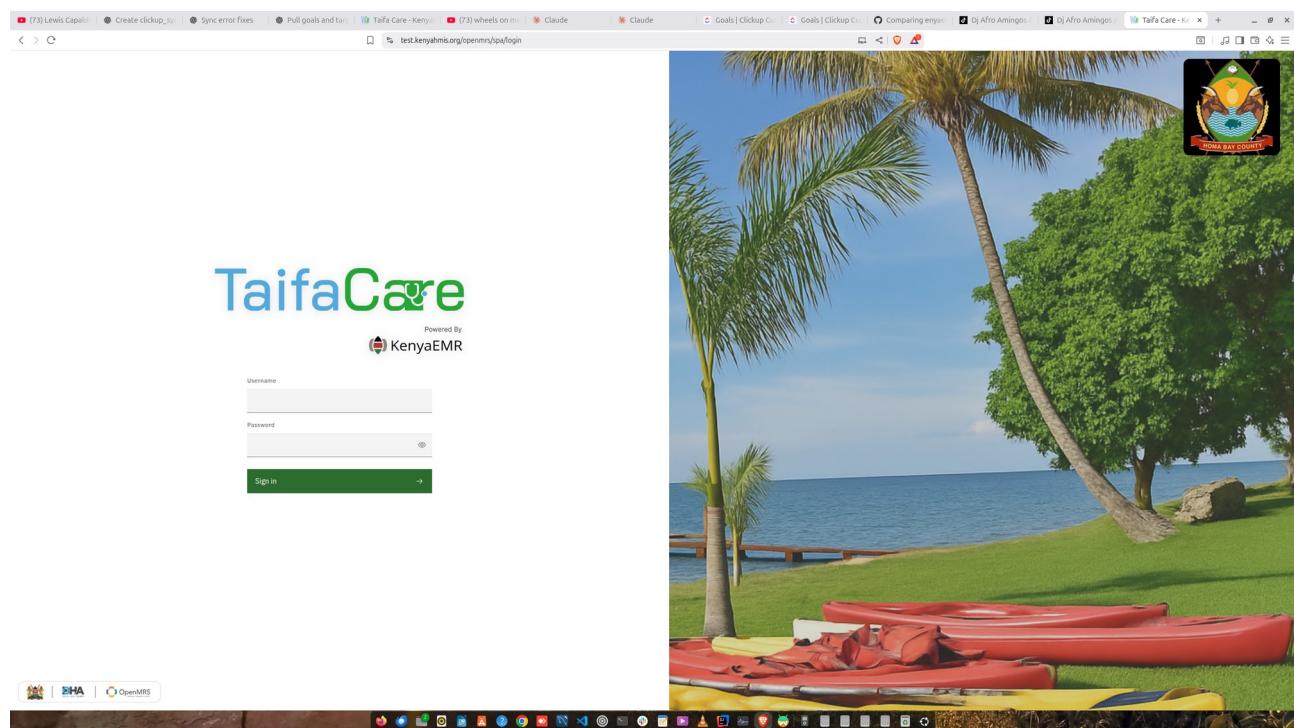
Portrait mode (8.7 inch) Tablet



Landscape mode (8.7 inch) Tablet



On PC (Desktop, laptop)



LANDING PAGE

- Navigation bar only 70% visible in terms of length in portrait mode but OK in landscape
- User details completely hidden compared to PC in portrait but partially visible in landscape
- Poor facility and user detail clarity in both modes

Portrait mode (8.7 inch) Tablet

The screenshot shows the TaifaCare mobile application interface. At the top, there is a dark header bar with the time "10:13 Thu, 11 Sept", a signal icon, and a battery level of "90". The header also features the "TaifaCare" logo, a "Hospital" status indicator, and an "Unlicensed" badge. Below the header is a navigation bar with a "Clinic" icon and the word "Clinic". The main content area displays three summary boxes: "Active Visits" (6 patients), "Total Visits Today" (6 patients), and "Scheduled For Today" (1 patient). Below these is a detailed table titled "Active Visits" showing patient information such as name, gender, age, and visit status. The bottom of the screen shows a standard Android-style navigation bar with icons for back, forward, and other system functions.

Visit Time	Name	Gender	Age	Status
Today, 09:52	mercy okumu	F		Out
Today, 09:50	Kasongo Junior Tutam	M		Out
Today, 09:21	milcah okumu	F	30	Out
Today, 09:20	Tabitha Atieno Okumu	F	36	Out
Today, 08:43	Afro Nyale	M	36	Out
Today, 06:25	TRACY NJONJO WANJIRU	F	47	Out

Landscape mode (8.7 inch) Tablet

10:13 Thu, 11 Sept Marindi Sub County Hospital | NONE | Unlicensed | MARIE PARKER TORRES

Clinic

Active Visits

Patients 6

Total Visits Today

Patients 6

Scheduled For Today

Patients 1

Visit Time	Name	Gender	Age	Visit Type
Today, 09:52	mercy okumu	F		Outpatient

On PC (Desktop, laptop)

Home Registration Queues and Appointment Diagnostics Procedures Pharmacy Admissions Referrals Mortuary Accounting

Active Visits

Patients 6

Total Visits Today

Patients 6

Scheduled For Today

Patients 1

Visit Time	Name	Gender	Age	Visit Type
Today, 09:52	mercy okumu	F		Outpatient
Today, 09:50	Kasongo Junior Tutan	M		Outpatient
Today, 09:21	mitah okumu	F	30	Outpatient
Today, 09:20	Tabitha Atieno Okumu	F	36	Outpatient
Today, 08:43	Atro Nyale	M	36	Outpatient
Today, 06:25	TRACY NJONJO WANJIRU	F	47	Outpatient

REGISTRATION

- **CRITICAL BUG:** Invisible identifier field in portrait mode
- **DATA REVERSAL BUG:** IDs entered as "12345" become "54321"
- Landscape mode works properly for registration

Portrait mode (8.7 inch) Table

The screenshot shows a mobile browser interface on an 8.7 inch portrait mode device. The top status bar displays the time (08:14), date (Thu, 11 Sept), signal strength, and battery level (96%). Below the status bar is a tab bar with three tabs: "OnStream APK v1.2.0 Fr", "Taifa Care - KenyaEMR", and "qakenyaemr.kenyahmis". The main content area has a header with a home icon, back/forward buttons, a refresh button, a search bar containing "test.kenyahmis.org/openmrs", a star icon, a microphone icon, a notification badge (3), and a more options menu. The header also includes the "TaifaCare" logo, "Hospital" status, and "Unlicensed" badge. The main page content is titled "Registration" and features a "Client registry verification" section. It includes fields for "Identification Type" (set to "National ID") and "Identifier number*" with a search bar and "Search for Patient(s)" button. Below this are buttons for "Emergency registration" and "Clear All". A large search icon with a magnifying glass and vertical bars is centered. Below the search icon is the text "Search for a patient" and a placeholder "Enter patient identifier number to search for a patient". At the bottom of the screen is a navigation bar with various icons.

Landscape mode (8.7 inch) Tablet

The screenshot shows the TaifaCare registration interface on a tablet. At the top, there is a header bar with the date and time (10:35 Thu, 11 Sept), a search icon, and a user profile for MARIE PARKER TORRES. Below the header, the main title "TaifaCare" is displayed, followed by "Clinic Registration". A sub-section titled "Client registry verification" is shown. It includes fields for "Identification Type" (set to "National ID") and "Identifier number*" (with a placeholder "Enter identifier number"). A search bar with the placeholder "Search for Patient(s)" is also present. At the bottom right of the interface are buttons for "Emergency registration" and "Clear All". The tablet's navigation bar is visible at the very bottom.

On PC (Desktop, laptop)

The screenshot shows the same TaifaCare registration interface on a desktop or laptop screen. The layout is identical to the tablet version, featuring the "Client registry verification" section with its respective fields and search bar. The "Emergency registration" and "Clear All" buttons are also present. The desktop taskbar is visible at the bottom of the screen, showing various open applications.

Pharmacy(Dispensing)

- **PATIENT SAFETY ISSUE:** Action buttons completely overlay prescription details in both modes
 - Healthcare providers cannot see medication information before dispensing

Portrait mode (8.7 inch) Table

TaifaCare						Hospital	Unlicensed	Search by patient ID or name
Created	Patient name	Prescriber	Drugs	Last dispenser	Status			
10-Sept-2025, 15:15	mugambi edinah (OpenMRS ID: MGU4U4, Age: 20)	Marie Parker Torres	Ferrous salt + Folic acid Tablet 60 to 65mg + 400mcg		Active			
Prescription details No allergy details found								
Conditions and symptoms	Close	Pause	Start visit to modify					
History and context	Ferrous Salt + Folic acid Tablets (200mg/400mcg) DOSE 1 Tablet — Oral — Once daily for 30 days QUANTITY 30 Tablet			Out of Stock				
	Print prescriptions							
10-Sept-2025, 15:15	kerry Otieno (OpenMRS ID: MGU4MH, Age: 33)	Marie Parker Torres	Ferrous Sulphate + Folic Acid Tablets (200mg/400mcg)		Active			
Prescription details No allergy details found								
Conditions and symptoms	Prescribed							
History and context	Close	Pause	Tablets (200mg/400mcg) Start visit to modify the evening for 30 d					
	Quantity 30 Tablet REFILLS 1 before meals			Dispense				
	Print prescriptions							
10-Sept-2025, 15:14	MARY ATIENO (OpenMRS ID: MGU4VY, Age: 35)	Marie Parker Torres	Ferrous Sulphate + Folic Acid Tablets (200mg/400mcg)		Active			
10-Sept-2025, 15:13	Jane Akinyi Omondi (OpenMRS ID: MGU4RA, Age: 30) MONICA^ ODONKE^	jared mira birundo	Ferrous Sulphate + Folic Acid Tablets (200mg/400mcg)		Active			

Landscape mode (8.7 inch) Tablet

11:03 Thu, 11 Sept • 97%

Marindi Sub County Hospital | NONE | Unlicensed | MARIE PARKER TORRES | Search by patient ID or name

Created	Patient name	Prescriber	Drugs	Last dispenser	Status
10-Sept-2025, 15:15	mugambi edinah (OpenMRS ID: MGU4U4, Age: 20)	Marie Parker Torres	Ferrous salt + Folic acid Tablet 60 to 65mg + 400mcg		Active

Prescription details ! No allergy details found

Conditions and diagnoses **Prescribed**

History and comments **Ferrous salt + Folic acid Tablet 60 to 65mg + 400mcg**

Close Pause Start visit to modify Out of Stock

[Print prescriptions](#)

10-Sept-2025, 15:15 kerry Otieno (OpenMRS ID: MGU4MH, Age: 33) Marie Parker Torres Ferrous Sulphate + Folic Acid Tablets (200mg/400mcg) Active

On Pc (Desktop, laptop)

11:03 Lewis Cap... Sync error fix... Pull goals and... Taifa Care - K... (73) wheels c... Claude | Claude | Goals | Clickup | Goals | Clickup | Comparing e... Dj Afro Amino... Dj Afro Amino... Taifa Care - K... Taifa Care - X... (202) WhatsApp... 11-Sept-2025, 11:08

TaifaCare Marindi Sub County Hospital NONE Unlicensed MARIE PARKER TORRES

Home Registration Queues and Appointment Diagnostics Procedures Pharmacy Admissions Referrals Mortuary Accounting

Pharmacy Home

Active prescriptions All prescriptions

Search by patient ID or name

Created	Patient name	Prescriber	Drugs	Last dispenser	Status
10-Sept-2025, 15:15	mugambi edinah (OpenMRS ID: MGU4U4, Age: 20)	Marie Parker Torres	Ferrous salt + Folic acid Tablet 60 to 65mg + 400mcg		Active

Prescription details ! No allergy details found

Conditions and diagnoses **Prescribed**

History and comments **Ferrous salt + Folic acid Tablet 60 to 65mg + 400mcg**

Close Pause Start visit to modify Out of Stock

[Print prescriptions](#)

Created	Patient name	Prescriber	Drugs	Last dispenser	Status
10-Sept-2025, 15:15	kerry Otieno (OpenMRS ID: MGU4MH, Age: 33)	Marie Parker Torres	Ferrous Sulphate + Folic Acid Tablets (200mg/400mcg)		Active

Prescription details ! No allergy details found

Conditions and diagnoses **Prescribed**

History and comments **Ferrous Sulphate + Folic Acid Tablets (200mg/400mcg)**

Close Pause Start visit to modify Dispense

[Print prescriptions](#)

Created	Patient name	Prescriber	Drugs	Last dispenser	Status
10-Sept-2025, 15:14	MARY ATIENO (OpenMRS ID: MGU4VY, Age: 35)	Marie Parker Torres	Ferrous Sulphate + Folic Acid Tablets (200mg/400mcg)		Active
10-Sept-2025, 15:13	Jane Akiiny Omundi (OpenMRS ID: MGU4RA, Age: 30)	jared mira birudu	Ferrous Sulphate + Folic Acid Tablets (200mg/400mcg)		Active
10-Sept-2025, 11:14	MONICA ODONGO AWUOR (OpenMRS ID: MGU33R, Age: 36)	Marie Parker Torres	Artemether + Lumefantrine (AL) Tablet 40mg + 480mg		Active
10-Sept-2025, 11:09	GEORGE ONYANGO ONDIKE (OpenMRS ID: MGU3AE, Age: 36)	Marie Parker Torres	Artemether + lumefantrine (AL) Tablet 20mg + 120mg; Paracetamol 500 mg Oral Tablet - Paracetamol		Active
09-Sept-2025, 15:15	NICHOLAS OCHOM ORIMBA (OpenMRS ID: MGT77M, Age: 53)	Marie Parker Torres	Artemether + lumefantrine (AL) Tablet 20mg + 120mg; Paracetamol 500 mg Oral Tablet - Paracetamol		Active

Critical Fixes Required:

1. **Fix Registration ID Reversal Bug:** Implement proper data capture sequence in portrait mode
2. **Resolve Pharmacy Button Overlay:** Restructure UI to separate action controls from information display
3. **Make Registration Fields Visible:** Ensure all input fields are visible in portrait mode

Technical Solutions Needed:

1. **CSS Z-Index Management:** Proper layering of UI elements
2. **Responsive Design Fixes:** Ensure consistent functionality across orientations
3. **Image Optimization:** Improve rendering size for custom images and logos

Testing Protocol:

1. **Cross-Orientation Testing:** Verify functionality in both portrait and landscape modes
2. **Data Integrity Verification:** Test all data entry scenarios
3. **Clinical Workflow Testing:** Validate all pharmacy dispensing workflows

Conclusion

The Samsung 8.7" tablet implementation contains several critical issues that significantly impact functionality, patient safety, and user experience compared to the PC reference system. The most severe issues involve data reversal bugs in registration and complete information obstruction in the pharmacy module. These issues require immediate attention to ensure system reliability and patient safety in clinical environments.