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
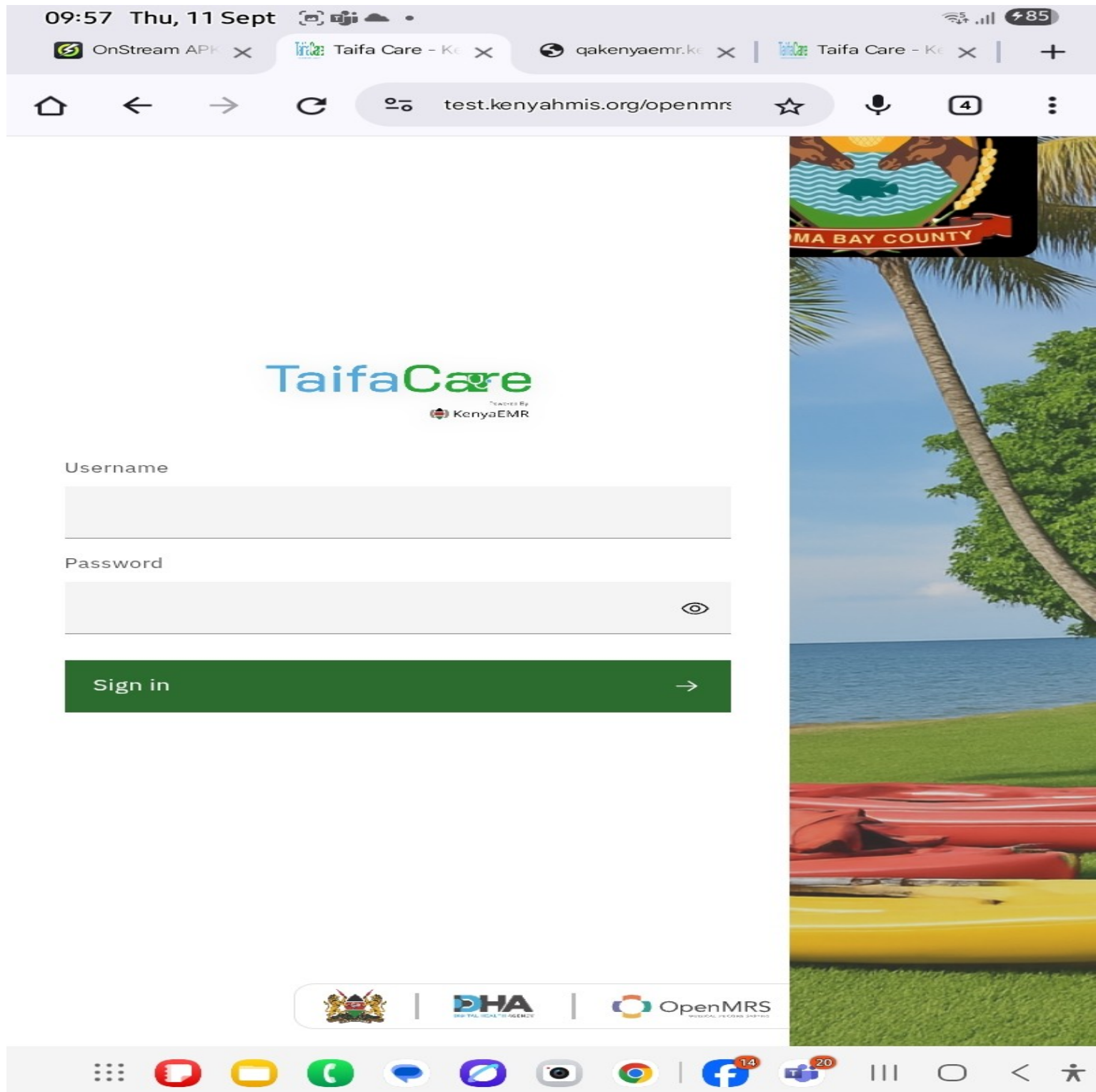- **Data Entry Problems:** Slow down patient registration processes

Professional Presentation:

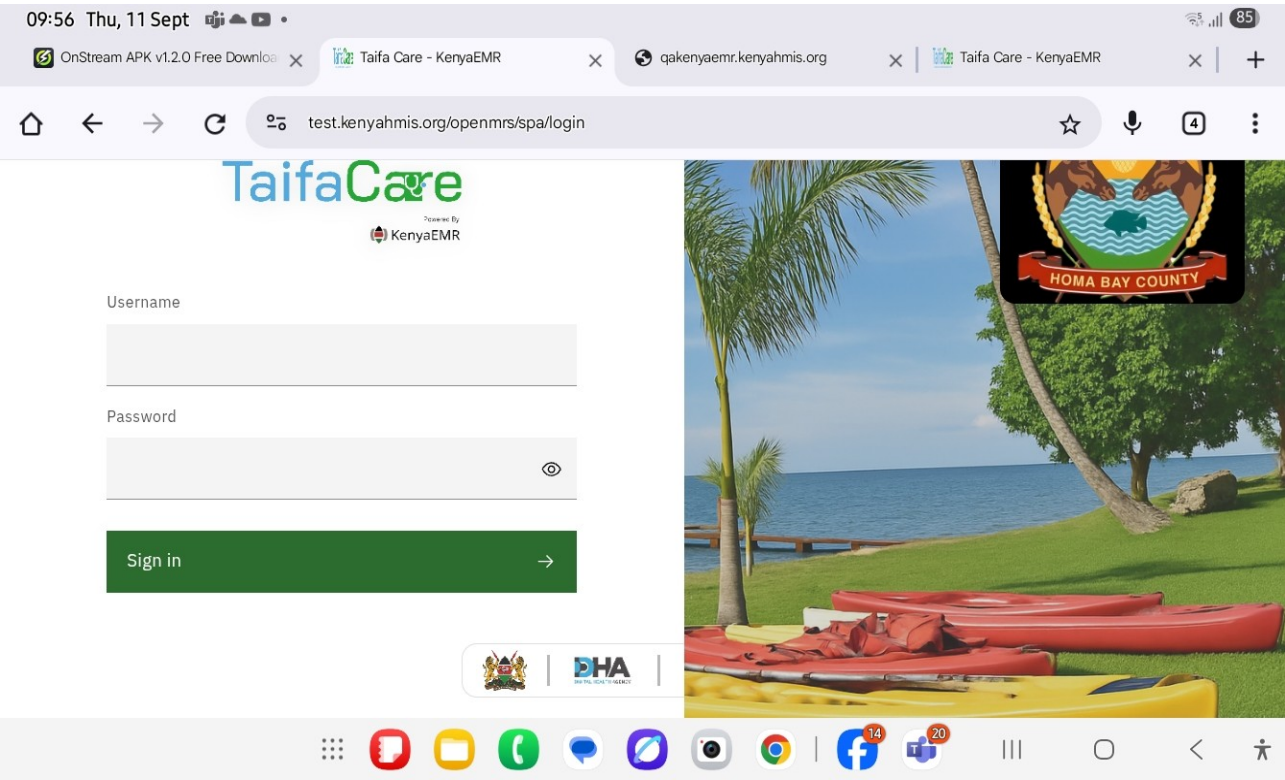- **Image Quality Issues:** Affect institutional branding and professional appearance

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
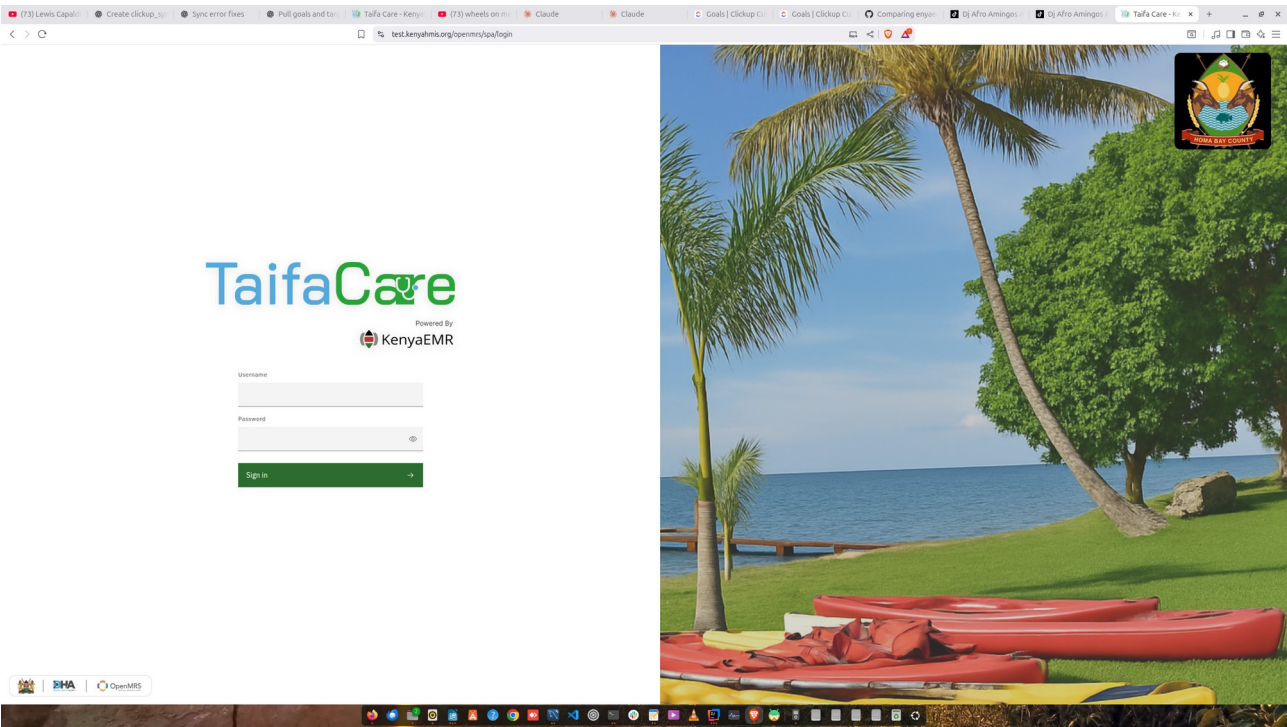- County logo positioning conflicts with URL area bar in both modes

Portrait mode (8.7 inch) Tablet
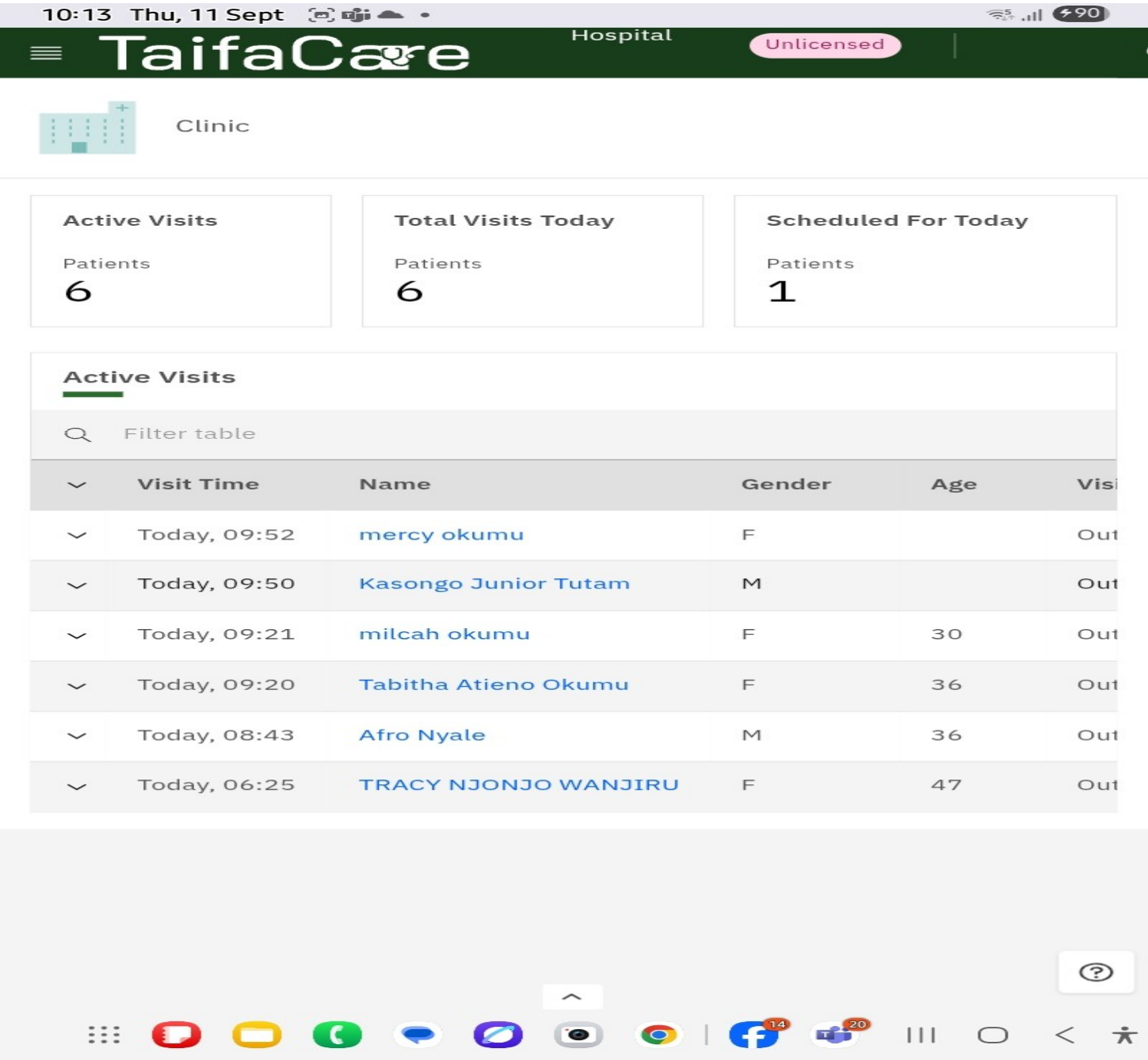
Landscape mode (8.7 inch) Tablet
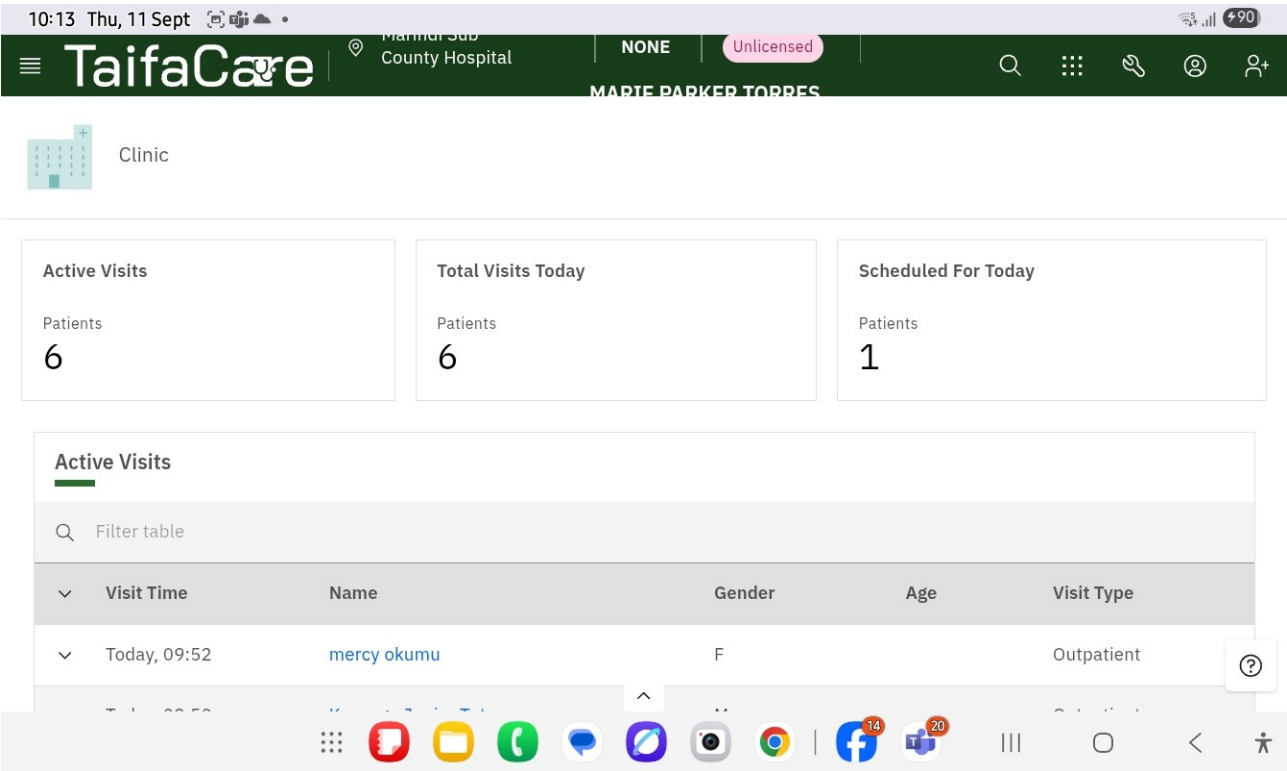

On Pc (Desktop, laptop)

- Navigation bar only 70% visible in temrs 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

Landscape mode (8.7 inch) Tablet

On Pc (Desktop, laptop)
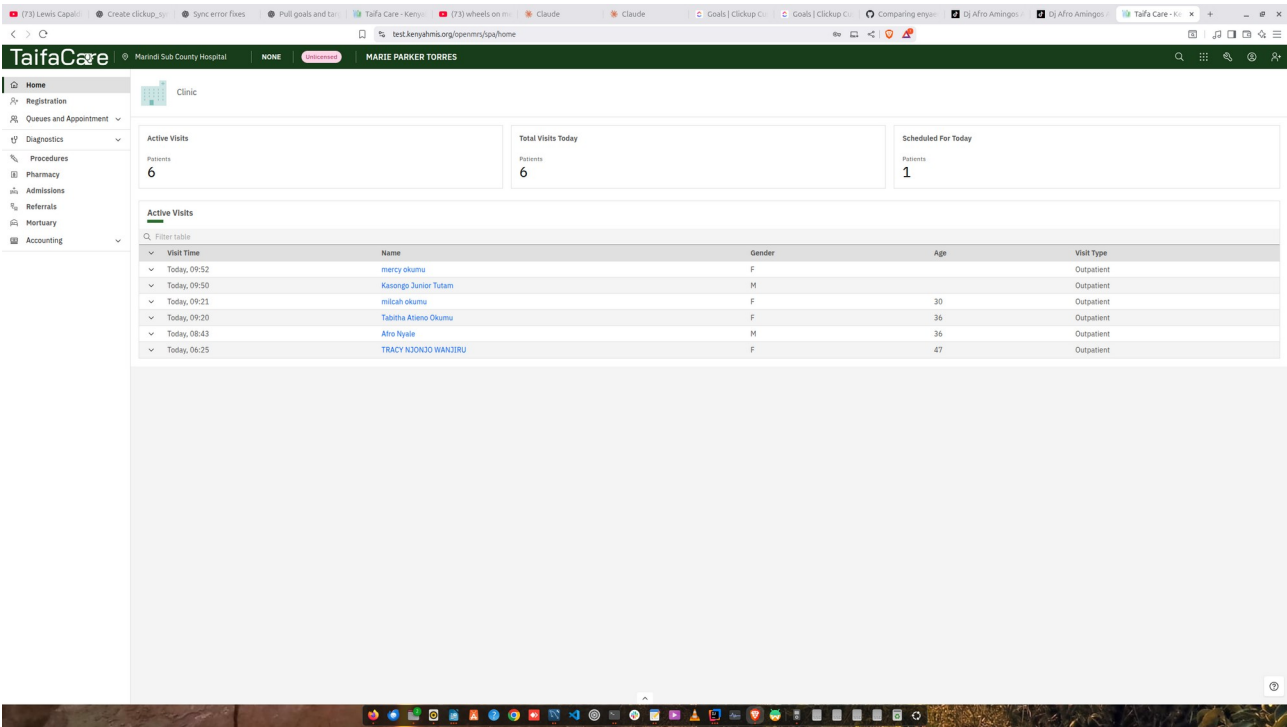
- **CRITICAL BUG:** Invisible identifier field in portrait mode
- **DATA REVERSAL BUG:** IDs entered as "12345" become "54321"
- Landscape mode works properly for registration

Portrait mode (8.7 inch) Table

Landscape mode (8.7 inch) Tablet
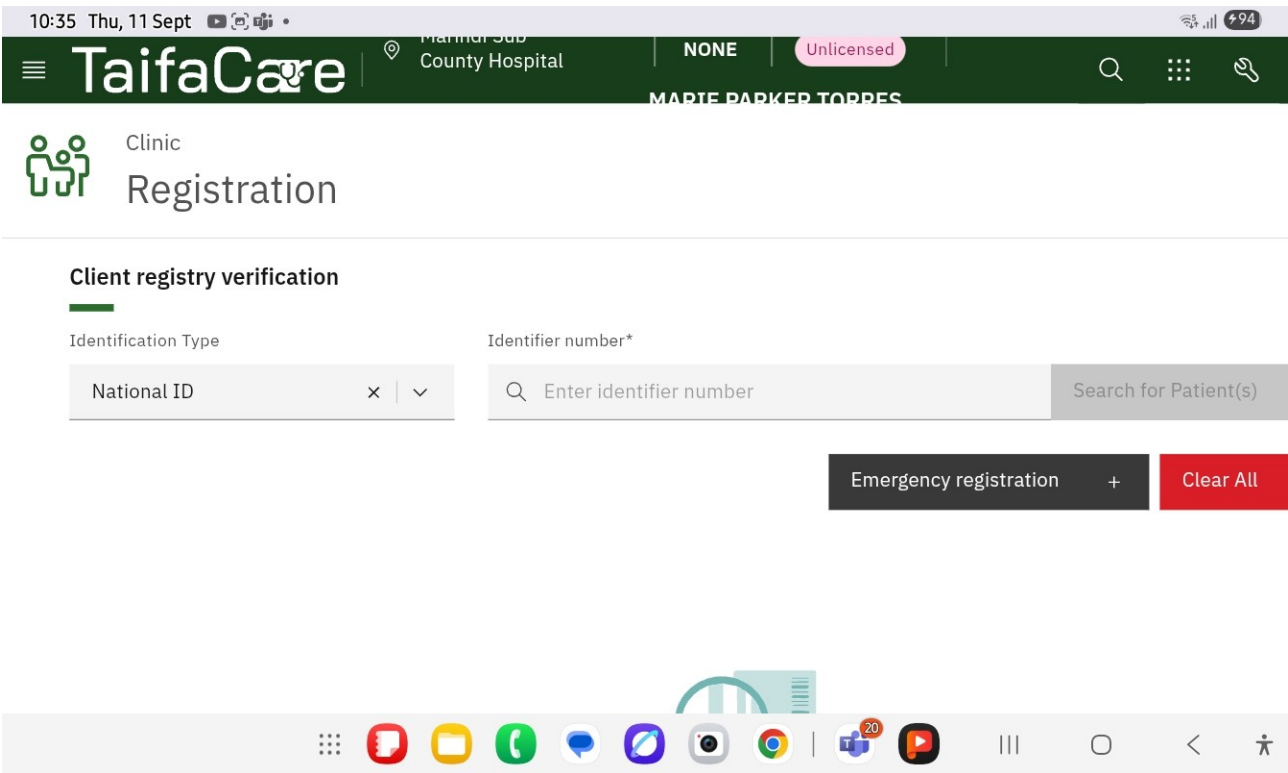
On Pc (Desktop, laptop)
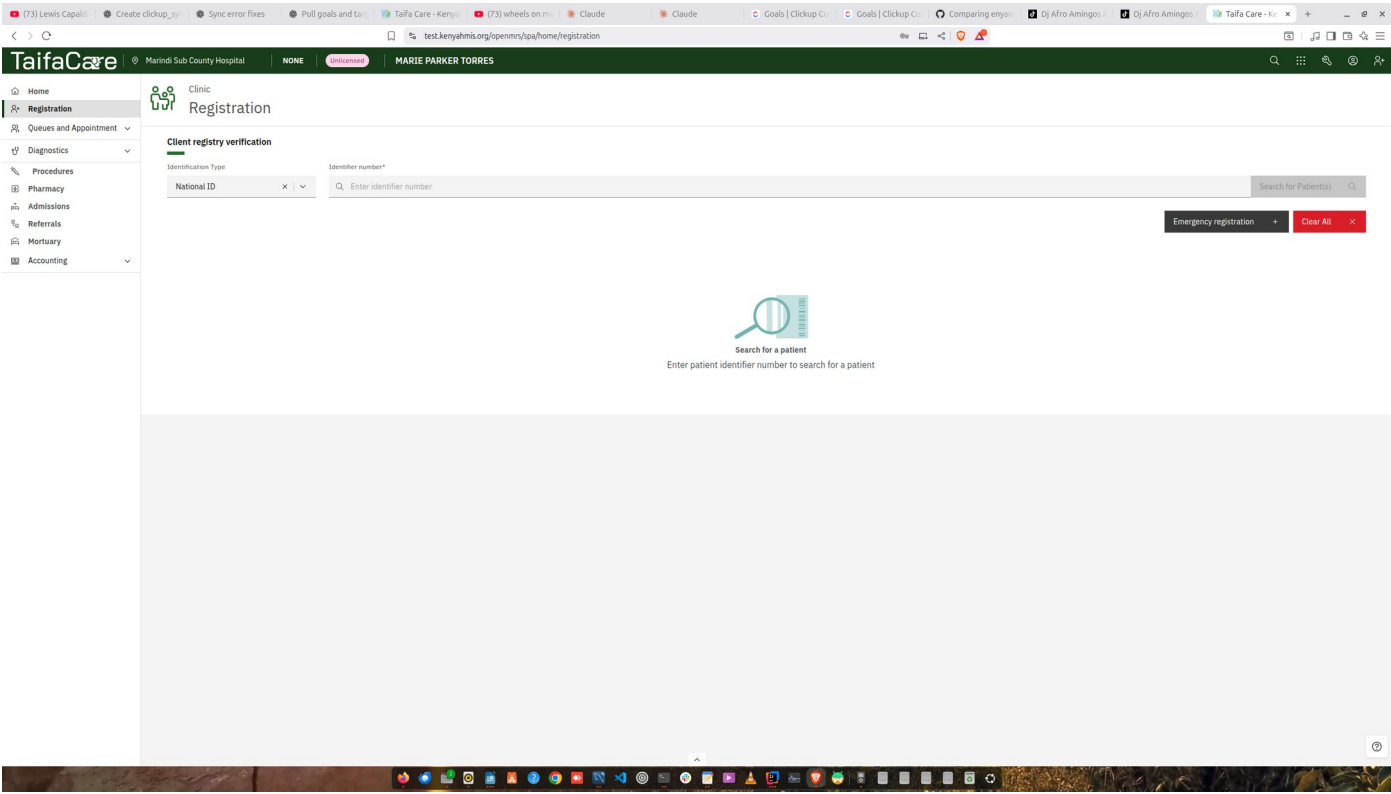
- **PATIENT SAFETY ISSUE:** Action buttons completely overlay prescription details in both modes
- Healthcare providers cannot see medication information before dispensing

Portrait mode (8.7 inch) Table

Landscape mode (8.7 inch) Tablet
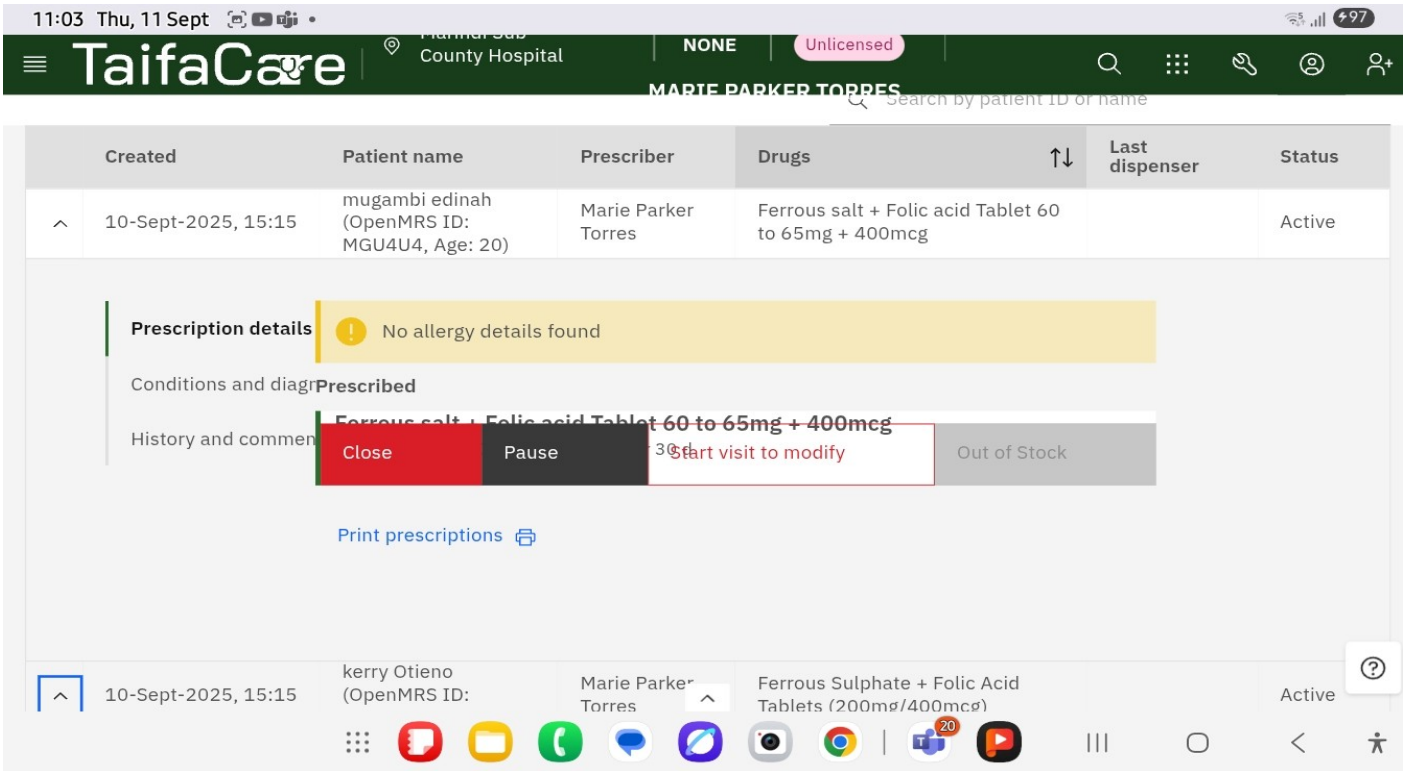

On Pc (Desktop, laptop)

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.