

SMARTQ

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Problem Description

Healthcare facilities face challenges such as:

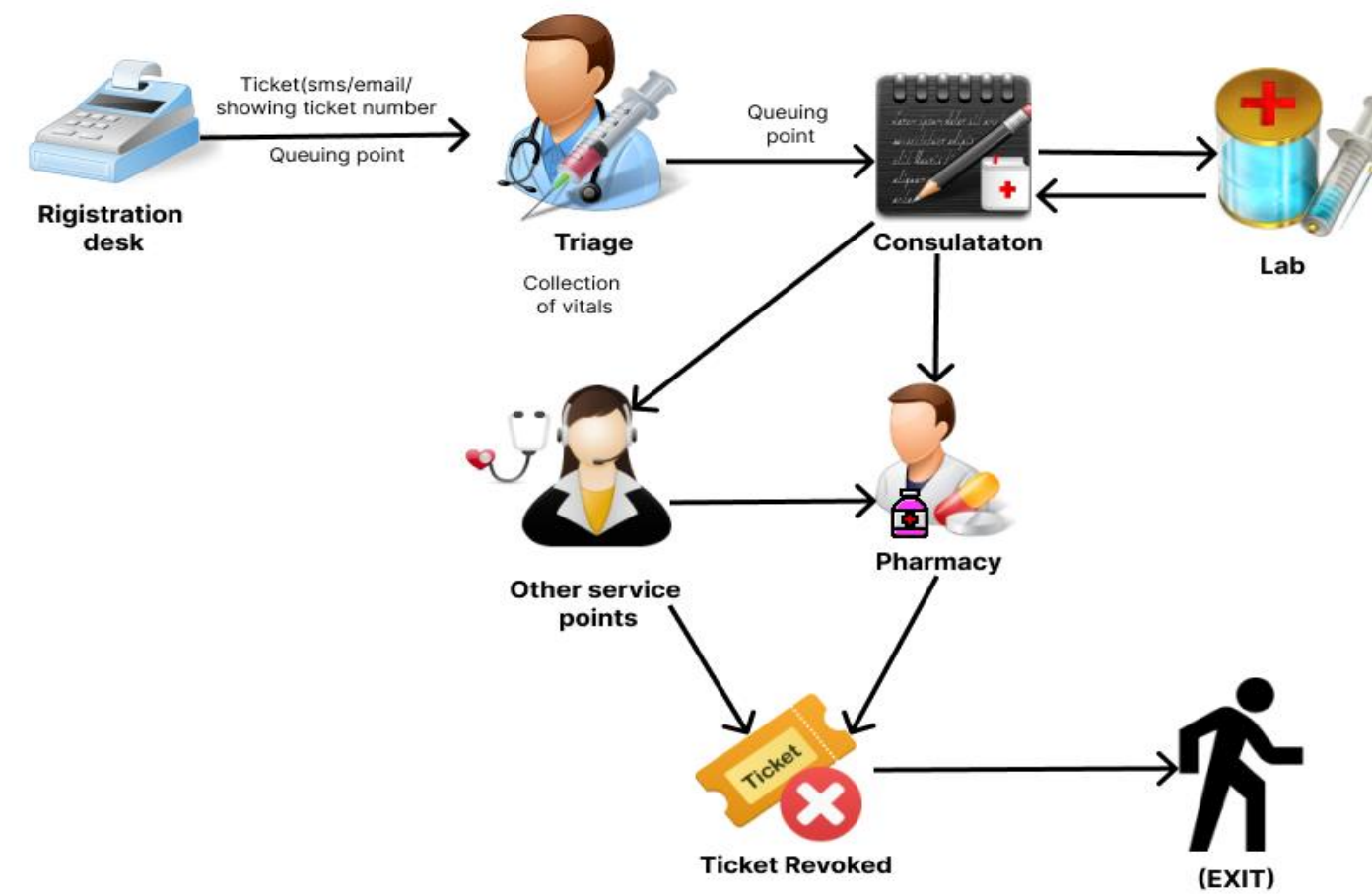
- Long waiting time
- Inefficient patient record management
- Difficult navigation
- Compromised patient privacy

These issues can result in:

- Decreased patient satisfaction
- Inconvenience to clinicians

- 01: Improved healthcare access
- 02: Efficient resource allocation
- 03: Predictive community planning
- 04: Enhanced patient satisfaction

Device/System Design



Testing Data

Utilize artificial intelligence and machine learning to predict peak hours and patient flow. This helps in optimizing staffing levels and resource allocation, leading to reduced wait times.

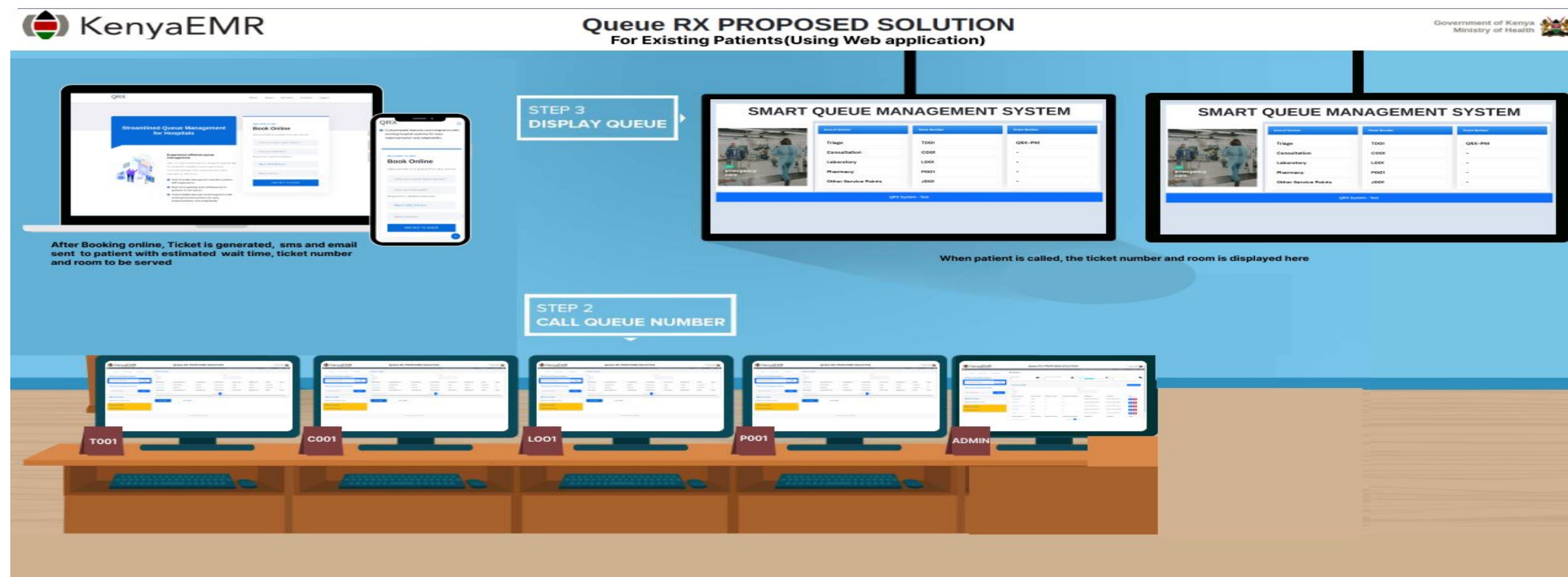
Provides patients with real-time updates about their queue status, expected wait time, and any delays. This improves transparency and keeps patients informed

Future Plans

- Automated patient triage
- RFID or Bluetooth-Based Tracking
- AI-Powered Predictive Analytics
- Biometric Identification.

References

- Insert references



RICE360
Institute of Global Health Technologies

The Lemelson Foundation
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