The Mobile Clinic Electronic Medical Records system was developed for Orant Charities to replace their paper-based system of accessing patients in rural areas of Malawi, Africa. This system was required to account for the limited power and internet connection in these rural areas. After field testing the system, Orant charities provided feedback on features they would like to see introduced or improved. This included improved data synchronization among devices, a faster alternative for automatic patient identification, and improved scalability of the system to be usable by multiple charities and clinics.

**My Problem Space:**
- Provide a better method of keeping history of patient’s physical ailments
- Provide an improved biometric authentication system to automatically identify patients

**What Mobile Clinic v1.0 offers:**
- Provides a method of registering patients with their personal information
- Provides biometric authentication and searching of patients using fingerprints.
- Allows nurses to create visits for patients with relevant vitals and information
- Replaces paper-based system used to record patient information

**What Mobile Clinic v2.0 introduces:**
- A faster and easier to handle biometric authentication using facial recognition
- A new system that allows nurses and doctors to keep track of patient’s physical illness by adding images to visitation
- A new way for doctors and pharmacist to verify their patients

**System Design**

**Object Design**

**Implementation**

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