**System Actors:**

1. Doctor

**System Modules**

1. **Account**
   1. Login
      1. Login with email and password
      2. Token generated and saved
   2. First time login
      1. Login to profile then password to setup your account for the first time
   3. Auto-login
   4. Signout
2. **Patient management**
   1. Patient Management
      1. Create new patient
      2. Edit patient
      3. Delete patient
      4. Search patient
   2. Timelines
      1. View patient time line
      2. Pull to refresh
      3. Scroll to load more
      4. Filter by type
      5. Jump to date
      6. Jump to date and filter by type
      7. View post attachment
      8. Remove post
      9. Post new post
3. **Clinic management**
   1. Create clinic
      1. Clinic basic info
      2. Services list provided with prices
   2. Edit clinic
   3. Remove clinic
   4. View clinic dashboard
      1. Filter by week/month/year
      2. View total in and out
      3. View list of month diaries
      4. Scroll to load another month diaries
      5. View diary details
      6. Edit deiary
      7. Create new diary
         1. Just one diary for each day
         2. Calculate of totals and net from Qtys for each service
         3. Don’t allow negative Qtys
4. **Surgeries**
   1. Surgery dashboard
      1. Total in and out in cash
      2. Total pending and completed Surgeries
      3. All filtered within selected period
   2. List of surgeries
      1. List of period surgeries with due dates, name, short description
   3. Create surgery
      1. Patient name
      2. Total, Cost, and advanced
      3. Net and other calculations
      4. Surgery status Open/Pending
   4. Edit Surgery

**General Features:**

1. API Based
2. Designed for tablets not mobile
3. Very and high compatibility
4. Optimistic UI

**Technologies and arch.**

* Database
  + Mongod
* Data management layer
  + Mongoose
* Backend
  + Node.js
  + Express.JS
* Front end
  + HTML5, CSS3, Bootstrap and JQuery
  + Phone gap compatible