# Development (Jason)

Support Domain \*who is doing what

* + Jason
  + Michael
  + Ross
  + Lisa
  + Shab Nassirpour / Jacob Elliot / John Healy

Project Branding

* + Project Name: **MedCheck**
  + Slogan:
  + Branding/Logo Concept:
  + X Logo Development

Design

* + UX Supported Devices
    - X Web Browser (IE/Chrome/Safari/Firefox)
    - X Mobile Phone Device Fragmentation (iOS/Android)
    - X Mobile Tablet Device Fragmentation (iOS/Android)
  + Design and Branding
    - X UI / Logos

Technical Stack

* + Core Requirements
    - X Cross-Platform
    - X Utilizes at least 5 modern OSS technologies
    - X Supports (IaaS) and (PaaS)
    - X Deploys to Container
    - X Prototype & Platforms to “Create & Run” are openly sourced and free of charge

Technical Solution Setup and Implementation

* + Decided (100% OSS – Open Source Software)
    - Open Source Repository
      * GitHub
        + X Repo Corporate Setup
        + X Repo Source Structure Build out
    - Development IDE
      * X VS Code (Win/OSX/LNX): <https://code.visualstudio.com/>
      * Package Manager
        + X NPM: https://www.npmjs.com/
    - RESTful API
      * X (Interface) LoopBack Framework (built on node-js) <https://strongloop.com/node-js/loopback-framework/>
      * X (Interface) Express Framework
      * X (Storage) MongoDB
      * <https://www.mongodb.org/>
    - Web Interface
      * X Bootstrap: <http://getbootstrap.com/>
      * X JQuery: <https://jquery.com/>
      * X Knockoutjs: <http://knockoutjs.com/>
      * X Bower: <http://bower.io/>
      * X Gulp: http://gulpjs.com/
      * XX SaSS: <http://sass-lang.com/>
      * X RequireJS: <http://requirejs.org/>
    - Testing
      * Unit Testing Solution Decision:
        + X Karma: <http://karma-runner.github.io/0.12/index.html>
        + X Jasmine: <http://jasmine.github.io/>
      * Automated Browser Testing:
        + X Selenium: <http://www.seleniumhq.org/>
    - Deployment
      * Container Deployment Evaluation
        + XX Docker: <https://www.docker.com/>
        + XX Heroku: <https://www.heroku.com/>
      * Continuous Integration Evaluation
        + XX AWS
        + XX Azure
  + X Requirements Application Scope
  + Login
    - User Interaction
    - Product Lookup
    - Vision
  + “Nice to Haves” \*low priority solutions
    - X 100% Cross-Platform camera API integration for UPC Barcode Reader
    - X (Facebook, Twitter, Google) as Login
      * PassportJS: http://passportjs.org/