General Schema:

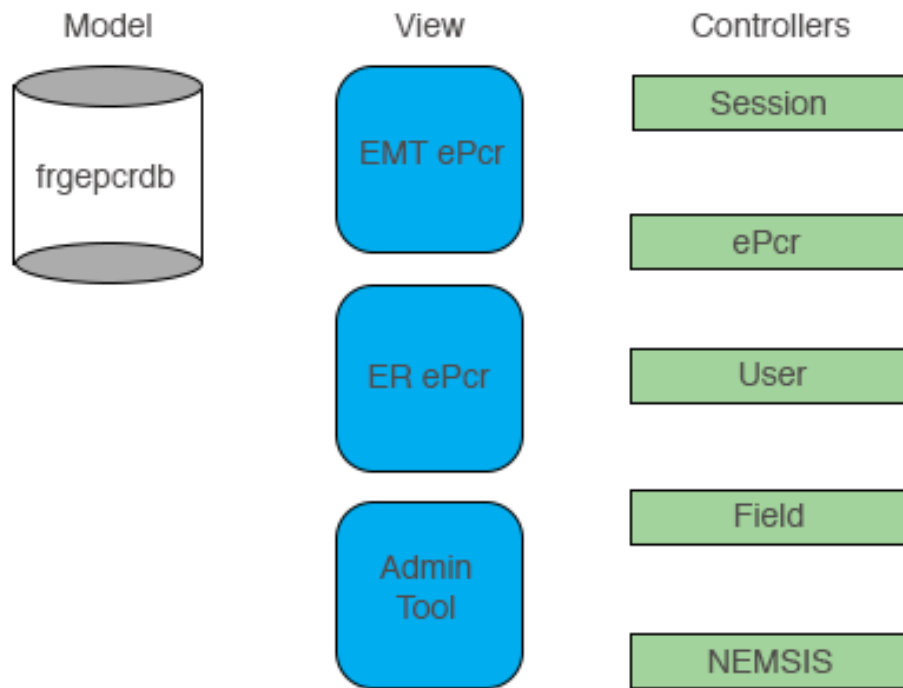| Model	View	Controllers
frgepcrdb	EMT ePcr	Session
	ER ePcr	ePcr
	Admin Tool	User
		Field
		NEMSIS

Clients (View)

- Paramedic Client (iPad/iPad Mini)
    - iPad
    - Objective C - Native App
    - Task Assigned to KS
- ER Client
    - iPad
    - Objective C - Native App
    - Task Assigned to KS
- Admin Client
    - Web App
    - HTML 5
    - Task Assigned to KS
        - Possible outsource to Jason.

<u>Current Server (Backend)</u>

- frgepcrdb (Model)
  - MySQL server on GoDaddy Host
    - temp solution till more funding and we go to a virtual host with Ubuntu Server.
    - This DB will be moved to the testing DB once funding is available for production servers.
  - Tables
    - Report Tables
      - These tables will be used to store the information from our reports. A controller will be used to dump XML reports to NEMSIS.
      - Go though and decide on what these should be based on fields used in paramedic client view. Once this is decided, then we can map to Nemsis elements.
    - User Tables
      - contain field to link customers provided employee table
      - contain passwords.
        - look at standard for how facebook and google provide login for other sites. Use this so that our controller will access customer provided employee table with current standard.
      - contain unque id (UID) for client to client communication though APNs
    - APNs Tables
      - these tables will be used for the APNs controllers for storing field consults and reports that are pushed from one client to the other.
      - define these tables while working on the "Client to Client" aspect of the solution.

- Session Controller
  - The role of this controller is to provide security and session management.
  - This is the first controller called by a client, giving a username, password, and pem file.
  - Define RPCs when defining what Session Manager system to use.
- ePcr Controller
  - The role of this controller is to allow a client access to the pcr tables.
  - All RPCs to query, add, update, and delete a pcr table is handled by this controller.
  - Define RPCs while defining Fields for Clients Views.
- User Controller
  - The role of this controller is to communicate between a customer's employee database/tables and our epcr controller linking uid from a Users Table to uid in the customer's employee tables
- Field Controller
  - APNs (<u>A</u>pple <u>P</u>ush <u>N</u>otification <u>s</u>ervice) and RPC (<u>R</u>emote <u>P</u>rocedure <u>C</u>alls) server for Field Reports
  - define RPCs during build of APNs
- NEMSIS Controller
  - This Controller will be used to dump XML to NEMSIS for newly added reports.

- A map will be used to define where a field in one of our Report Tables goes in the NEMSIS XML report.
- define map once Report Tables is defined