Company:

* 11 employees FULL TIME
  + How many part time? Interns?
  + 1 Founder
  + 1 shares HR and Accounting
  + 2 System/IT staffers
    - (including me?)
  + 7 Software Engineers
* Won contract to implement EV Charging Station software system for EV charging station building and installation company Chargers-R-Us
  + Called EVCSS (project)

EVCSS Project:

* Focused on installation and operation of charging stations in apartment building parking garages.
* Consists of:
  + System management dashboard for apartment building staff
  + Consumer application for tenants and guests
* Each apartment unit will have:
  + 0-N charging stations assigned to unit
  + These charging stations reserved exclusively to the unit
* Each charging station will:
  + Have a physical locking mechanism to be determined and designed by Chargers-R-Us
  + Have a virtual, “keyless” access system for users
  + Have an embedded operating system for updates and maintenance
    - Must be interfaced with management dashboard
* Charging fees:
  + Billed on recurring basis
  + In addition to apartment unit rent
    - Managed by a different system
    - Our system must interoperate.
  + Termination of lease must trigger termination of charging station privileges for 0-N stations associated with the unit on the date the lease terminates and the generation of final bill
  + Multiple billing options:
    1. Bill by aggregate KWH used
    2. Bill by type of charging connection
    3. Bill by speed of charging
    4. Bill by time of day charging occurred
* Configurable by apartment complex staff
* None mutually exclusive
* Staff must be able to vary policy by both apartment unit (all their stations at once), or individual charging stations
* Additional (what?) options will be added once system is in operation
* Apartment staff web-based management dashboard initial features:
  + Manage any/all charging stations
  + Define billing policies per station and unit
  + Allocate charging stations
  + Maintain waiting list for charging stations (waiting list for each individual one that gets built, or a waiting list for any?)
  + Set limit on maximum stations per unit (N)
  + Lock charging stations for non-payment
  + Access each internal charging station operating system
  + Manage tenant accounts (accounts for what, their overall rental portal or just stations?)
  + Be made in such a way that future features can be developed in collaboration with Chargers-R-Us easily
* Consumer mobile application for tenants: (not guests?)
  + Display info and status of assigned charging stations
  + Display past and projected bills, as well as payments (for only EVC billing, or rental as well?)
  + Display locations of assigned and available charging stations on a map of apartment parking garage (what about unavailable?)
  + Request / release charging stations
  + Configure charging station billing options to control cost (ie limit themselves? Be able to throttle speed, ban times of day, have a max KWH? What time frames?)
  + Pay EVC bills by credit card or bank draft
  + Report service issues with assigned charging stations (what possible issues?)
* On-demand charging:
  + Not associated with any unit
  + Managed via staff dashboard
  + Require use of a credit card to unlock
  + Have ability to set special “on-demand” rates
  + Not be available to tenants (only available to guests of tenants? What about random people?)
* **Ideally** (how ideal?) have the web based staff dashboard and mobile application be a single, adaptive application (A web app, or website? Both? For both?)
* Client is **leaning** towards modern, cloud hosted architecture but does not know the issues with this
  + My company will make recommendation
* Client has big plans
  + Initial plan is to roll out to small set of local apartment complexes
  + Ultimate goal is to sell system nationwide and possibly even globally
    - This will impact my technology, implementation, and deployment strategies
    - (Surely this means cloud based is obvious?)

Contract:

* Fixed fee
* Client open to new ideas and enhancements to basic project, as well as addition capabilities
* Client expects:
  + To retain us on permanent basis for enhacements and support
  + Us to refine specification into a formal set of requirements and provide them a cost estimate
  + To participate in all aspects of the design and implementation process