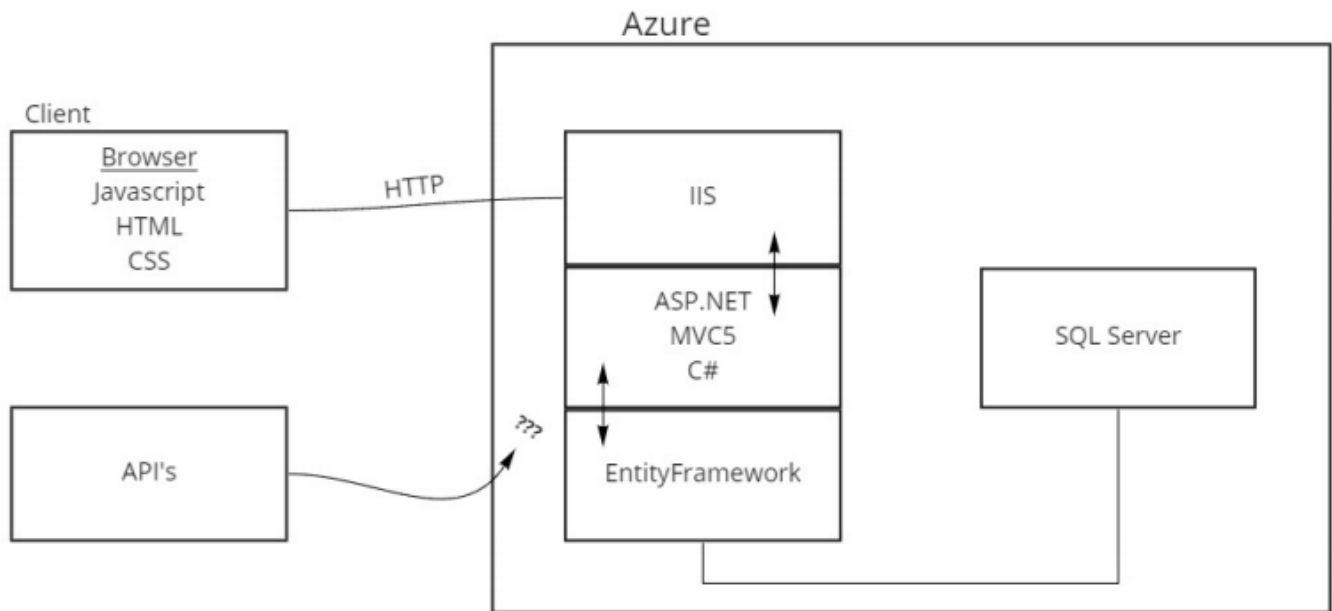


Milestone Four ⇒ Team Project: Petopia! ⇒ 1st Refinement → Diagramming Preliminary/potential API's for our app

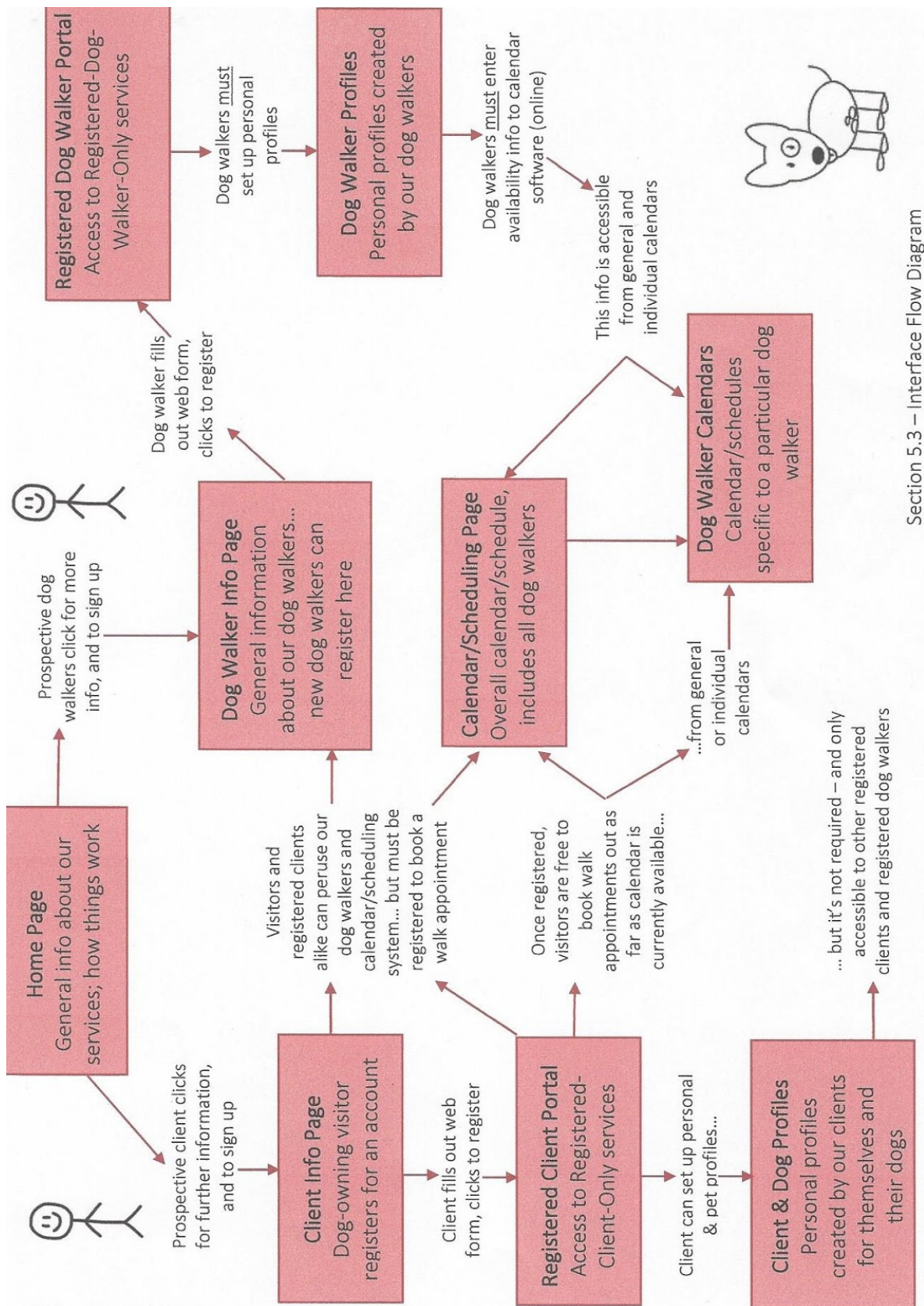
1st Refinement: Architecture Organization Diagram:



API's we are considering -- or already know we will need:

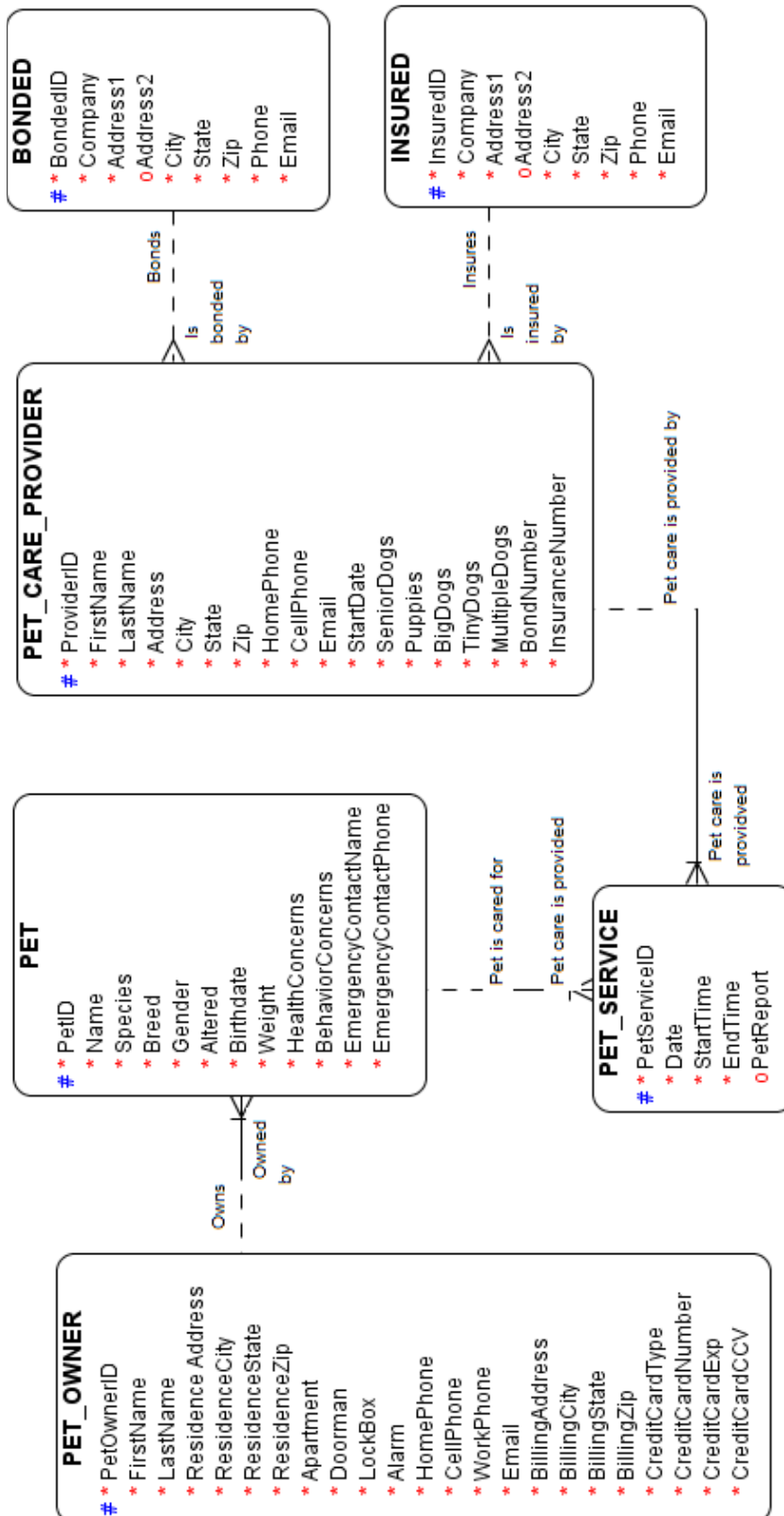
- Sign in with Google account (and/or Facebook?)
 - Captcha (to prevent bots)
 - Something to facilitate private messaging & “check-ins”
 - Something to facilitate calendars and scheduling
 - Something to facilitate payments from Pet Owners to Pet Care Providers
 - Background checks for potential Pet Care Providers (but is that really an API?)
 - Badges for Pet Care Providers to signify their areas of expertise?
 - A rating/review system?
-

Initial Flow-Sequence Diagram:



Section 5.3 – Interface Flow Diagram

Initial E-R Diagram:



Completed with Oracle Data Modeler

Then I remembered it doesn't explicitly show Foreign Keys -- they are implicitly implied with the relationship arrows

PET_OWNER: FK → UserID

PET: FK → PetOwnerID

PET_SERVICE: FK → PetID
 PetOwnerID
 ProviderID

PET_CARE_PROVIDER: FK → UserID
 FK → BondedID
 FK → InsuredID

This ERD had been designed just for the service company -- not directly for a web app/site...

SO -- of course, we will also need a table "USER" that simply contains:

- UserID
- Username
- Password
- user_type

Once registered, user will be directed to the form which corresponds to their "user_type"... that form data will go into the appropriate table as seen here

Wireframe(s):

Working on those... we are finding a decent means to make one
Plus we are still thinking on initial design so far as how it will *look*.

Note:

Yes, these are the same ERD and Interface/Flow Diagram from last week.
I somehow thought they were supposed to be for last week and did them early.

Those haven't really changed since last week, with our additional inception processes... so we are still using them!

The Interface/Flow Diagram is a sort of "Use Case Diagram" as well.
