

## Team Nerdvana

### Milestone Three ⇒ Team Project ⇒ Preliminary List of Needs & Features Also some initial requirements, Functional + non-functional

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#### (Preliminary) List of Needs & Features:

- 1) A visually appealing site that evokes a love and enjoyment of life with pets -- cute but not in a juvenile way -- and that gives visitors and users an enjoyable experience
    - a) Our original/primary focus is dogs but we do not want to leave out other kinds of pets!
      - i) So we want cute pet images... decide if we want to go with photos or illustrations -- there are some great pet illustrations and they may be more “inclusive”
    - b) Determine a pleasing color scheme to be used throughout the app
    - c) Incorporate consistent and easy-to-use, intuitive navigation across site/app
      - i) With obvious link to login or register
    - d) Obviously the site needs to be responsive and look good on various sized devices
  - 2) Anyone can browse pet care provider profiles
    - a) To see if there are providers in their area that match their needs before they register
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- 3) Only registered/logged in users can view pet owner and/or pet profiles
    - a) For the purpose of social interaction/community development and later growth/development of app features
  - 4) Some registered users will be designated “admins”
    - a) Admins will have authority to enter, edit, delete data from database
    - b) Admins will be added “manually” by app staff
  - 5) Registered/logged-in users have authority to create/enter, edit, and delete their own (and/or their pets’) profile information in the database
    - a) Including to delete their profile/data altogether should they decide to leave the app
  - 6) When a user registers with the site, they will be given the option of designating themselves as “pet owner” or “pet care provider”
    - a) It will be possible to register as both
  - 7) Users registering as “pet care providers” will have to undergo a background check before they can create their app profile
    - a) And eventually/optionally proof of insurance/bonding
    - b) Once they can create their profile, they can edit/update as they wish
    - c) They can also delete their profile if they no longer wish to be a pet care provider
    - d) Work with a well-established/reputable online background check service provider
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- 8) Users registering as “pet owners” will be able to create their in-app profile as soon as registration is complete
    - a) They will then have the option to enter pet profiles now or later
      - i) The option for a pet owner to create a pet profile will always be available, as they may acquire a new pet
    - b) Pet owners can edit/update their profile as they wish
    - c) Pet owners can also delete their profile if they no longer wish to be a member of the app
  
  - 9) Before a pet owner can request services for their pet, they must have created a profile for that pet
    - a) Because services will be arranged for a particular pet (or pets) of a Pet Owner, so the Pet Care Provider knows what type of pet is involved
  
  - 10) Before a pet care provider can accept jobs, they must input their availability on the app’s scheduling/calendaring system
    - a) Scheduling/calendaring for each pet care provider, accessible from that provider’s profile page
    - b) An “overall” or general calendar showing the availability of all pet care providers in a pet owner’s specified zip code range
    - c) Pet Owners can then view when the Pet Care Provider they prefer is available (or not) and request services from the available dates/times
  
  - 11) Pet Owners and Pet Care Providers will have the option/ability to private message each other within the app
    - a) Both types of users will have the ability/option to private message site/app admin within the app
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- 12) We will use standard log-ins for all accounts
    - a) We'll use emails for the username
    - b) Passwords should be the standard 8+ characters
    - c) Users can select a "handle" to use to identify themselves within the app
    - d) Eventually confirm emails of newly-registered users
    - e) Admin users will be manually confirmed/added by app owners
  
  - 13) Specific information pages -- accessible to all:
    - a) Page describing what is required to become registered as a pet care provider with the app -- with a prominent link to do so
    - b) Page describing the benefits for pet owners (and their pets!), of registering with the app -- with a prominent link to register
  
  - 14) Specific information pages -- accessible only to registered users:
    - a) instructions/FAQ's about how to use the app in case there are any questions
      - i) With prominent link to contact support if necessary
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**Summary ⇒ the “Reader’s Digest” version of Needs+Features:**

- Foundational underlying relational database
- Awesome-looking website that’s easy to use & navigate
- Ability for visitors to register and then log in as a user
- Profiles for: Pet Owners
  - ^-- their pets
  - Pet Care Providers
- Calendaring/scheduling capabilities
- Means to accept and disburse payments
- Means to conduct background checks on prospective Pet Care Providers
- Search functionality -- for Pet Owners to find suitable Pet Care Providers
- Means of private messaging within the app/website

**(Preliminary) Functional Requirements:** **(aka user stories)**  
*(as it turns out)*

- 1) [U] As a visitor to the site/app, I want to see a cute but “grown-up” homepage that tells me what this app is all about and how it can benefit me to register either as a pet owner or a pet care provider

*(Visitors can view pet care provider profiles to help them decide whether to register as a pet owner)*

- a) [T] start an ASP.NET/MVC5 Web App, with individual user accounts
  - b) [T] pick our CSS/Bootstrap library
  - c) [T] create database in SQL server
- 2) [U] As a visitor or user of the site/app, I want a site/app that is intuitively easy to navigate from any given point, so that I do not get frustrated or aggravated
- a) [T] develop an easy-to-use/figure out navigation that is consistent in appearance and use across the entire app/site
  - b) [T] navigation should also look nice
  - c) [T] it should include links to register or login, and to contact site admin for questions/help
- 3) [U] As a visitor to the site, I want to be able to register an account so that I can create a profile for myself (and my pets if applicable) and then either receive or provide services
- a) [T] configure our app/site to use our database with Identity Tables in it
  - b) [T] create a “user” table in that database
  - c) [T] make it clear to a user if they are logged in, or not
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- 4) [U] As a visitor OR registered pet owner, I want to be able to browse pet care provider profiles so that I can find out more about them before asking them to care for my pet (or so that I can decide to register!)
- a) [T] task one
  - b) [T] task two
  - c) [T] task three
- 5) [U] As a registered pet owner, I want to be able to create and update/maintain a profile for myself so that I can access services and participate in the community
- a) [T] create web form for user to fill in their data
  - b) [T] some of that data will become part of their public-facing profile -- some will be private
  - c) [T] web form must be able to upload image files
  - d) [T] design page that will display the public-facing information into an attractive profile page
- 6) [U] As a registered pet owner, I want to be able to create and update and/or maintain a profile for each of my pets, so that pet care providers can find out what they need to know about my pet(s), and to show off my pet(s)
- a) [T] create web form for user to fill in their data
  - b) [T] some of that data will become part of the pet's public-facing profile -- some will be private
  - c) [T] web form must be able to upload image files
  - d) [T] design page that will display the public-facing information into an attractive profile page
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- 7) [U] As a visitor registering as a pet care provider, I want to complete my background check online so that it is easy to take care of and I can become an approved pet care provider
- a) [T] find a reputable and reliable background check service provider that we can direct prospective pet care providers to
  - b) [T] task two
  - c) [T] task three
- 8) [U] As a registered (and approved) pet care provider, I want to be able to create a profile so that pet owners can know about me to select me to care for their pet(s) and so I can participate in the community
- a) [T] create web form for user to fill in their data
  - b) [T] some of that data will become part of the pet's public-facing profile -- some will be private
  - c) [T] web form must be able to upload image files
  - d) [T] design page that will display the public-facing information into an attractive profile page
- 9) [U] As a registered pet owner, I want to be able to see when my preferred pet care providers have available days/times so that I can request services for my pet(s)
- a) [T] find a calendaring/scheduling interface/API that we can implement and learn how to use it
  - b) [T] task two
  - c) [T] task three
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- 10) [U] As a registered (and approved) pet care provider, I want to be able to post my availability (i.e., dates & time-blocks) to the site/app so that pet owners can request services from me
- a) [T] this is the “flip side” of #9
  - b) [T] task two
  - c) [T] task three
- 11) [U] As a robot, I would like to be prevented from registering an account with the app, so that I don’t start raining spam all over the joint
- a) [T] work with the “Captcha” feature to handle this (or something like that)
  - b) [T] allow site/app admins to moderate/edit user comments across the site if needed
  - c) [T] task three
- 12) [U] As a registered pet owner, I want to be able to pay for my services online
- a) [T] find out how to accomplish this -- what interfaces and/or API’s we will need and how to use them
  - b) [T] task two
  - c) [T] task three
- 13) [U] As a registered pet care provider, I want to be able to receive payment for my services online
- a) [T] this is the “flip side” of #10 -- do we need a different interface/API to do this? Find out.
  - b) [T] task two
  - c) [T] task three
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- 14) [U] As a registered user, I want to be able to browse the profiles of other pet owners and pets for fun, to see cute pets, and to make friends and participate in the community and eventually arrange “play dates” with other pet owners for our pets
- a) [T] decide on how to facilitate browsing
  - b) [T] allow users to have a “friends list”
  - c) [T] task three
- 15) [U] As a registered user, I want to be able to private message, from within the app/website, with other registered users and/or site admin; for practical and/or social purposes
- a) [T] find an API or interface of some kind to handle this feature and learn how to implement it
  - b) [T] task two
  - c) [T] task three
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### **(Preliminary) Non-Functional Requirements:**

- 1) Users -- pet owners and pet care providers -- should be able to delete their profile data if they choose to leave the app
    - a) We do want to keep data about services provided however
      - i) Just not personal info any longer
  - 2) Don't let passwords expire
  - 3) Give users the option to stay logged in
    - a) And for the app/site to "remember" them
  - 4) Implement method for users to recover lost/forgotten login information
  - 5) Make cute and amusing error/404 pages -- featuring pets and pet jokes, of course
  - 6) Log all server errors to a page that only admins can get to
  - 7) Default language == (American) English
  - 8) Develop "branding" that can be implemented across the site/app
  - 9) Engender a "sense of community" among app/site users via content and features
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