Course Project Activity: System Sketch

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In this activity you create a specification for your information system using the concepts of this course.

* For drawings, feel free to use any program or draw on paper and include photographs below.
* You do not need to do the same info type as you researched in the previous activity, but if you choose a new one, it will help you to find a couple of sites for the new type.

# Info Type

|  |  |
| --- | --- |
| What is your info type? | Cat |

## 1- Collect the attributes you found

For each of the sites you studied previously, fill in the attributes you found for your type

|  |  |
| --- | --- |
| **Homeward Pet Adoption Center** | **Austin Pets Alive** |
| 1. Animal ID 2. Name 3. Species 4. Breed 5. Age 6. Gender 7. Size 8. Color 9. Spayed/Neutered 10. Declawed 11. Housetrained 12. Site 13. Location 14. Adopt Price 15. Image 16. Description | 1. Animal ID 2. Name 3. Adoption Fee 4. Sex 5. Breed 6. Current Weight 7. Date of Birth 8. Age 9. Location 10. Image 11. Description |

## 2- “Best of” Tags

* Come up with at least 10 attributes for your info type. More is fine.
* Use the best of the attributes you found in the previous activity and/or decide on some of your own.
* Overall, make sure the attributes fully describe your type.
* Notice that you must include id, title/name and description as 3 of your attributes

Best of Tags

1. Id
2. Name
3. Description
4. Breed
5. Gender
6. Age
7. Spayed/Neutered
8. Image
9. Adoption Price
10. Location

## 3- Attribute Specification

Turn your list of tag names into something that you can use to construct your first schema.

* Make sure all attribute names are in camelCase (<https://en.wikipedia.org/wiki/CamelCase> )
* A controlled vocabulary is a list of terms that the attribute value must match (<https://en.wikipedia.org/wiki/Controlled_vocabulary> ). Include at least one controlled vocabulary in your list of attributes.
* For data types, you need only use:
  + String for words, sentences and paragraphs
  + ID for ids
  + Boolean for true/false
  + String for controlled vocabularies
  + You can use other data types as you wish

|  |  |  |
| --- | --- | --- |
| **Attribute (use camelCase)** | **Data type** | **Controlled vocabulary values** |
| 1. id | ID |  |
| 1. name | String |  |
| 1. description | String |  |
| 1. breed | string |  |
| 1. gender | string | Male, Female |
| 1. age | string |  |
| 1. spayed | Boolean |  |
| 1. image | string |  |
| 1. adoptionPrice | decimal |  |
| 1. Location | string |  |

# Info Items

In the table below, list at least 13 items of the type you have chosen. You will not be held to these particular items later. The list is just to get you started

|  |  |
| --- | --- |
| **Items of type: <info type name here>** | |
| Id | name |
| 1 | Cyrano |
| 2 | Squeeze |
| 3 | Barn Cat |
| 4 | Dodger |
| 5 | Cozie |
| 6 | Katy |
| 7 | Sunny |
| 8 | Hendrix |
| 9 | Cider |
| 10 | Nicki |
| 11 | Button |
| 12 | Leela |
| 13 | Cottonball |

# Org types

Decide upon at least one way items of your type can be organized in each of the following ways:

|  |  |
| --- | --- |
| **Org type** | **Org item** |
| Hierarchy | A breed hierarchy that has cat type with breeds and sub breeds under it. For example, cat breeds can be categorized by different activity level (low, moderate and high). Each activity level corresponds to some cat breeds. |
| Index | An alphabetical index of cats by name |
| Association | Other cats from the same location |
| Sequence | A sequence of cats based on their age |

# Page (Screen) structure:

## Full View Page

Create a sketch of the Web page layout you will create to hold full views of your information. Please include at least:

* A banner, local nav and content area.
* 1 sub area.
* Labels on each area that names them.

Banner

Local Nav

Content

Related Cats from the Same Location

## Home Page

Create a sketch of the Web home page layout for your site. Please include:

* A banner area
* Partial views of your info items.
* Labels

Banner

Featured Cat

Content

Featured Cat

Featured Cat

Featured Cat

Featured Cat

Featured Cat

# Matching information to the page:

Per the framework of this course, views are rendered into areas.

For each area identified in the illustrations above, please list the views that will render into it.

|  |  |
| --- | --- |
| **Area** | **Views that will render into it** |
| Banner | Static content only |
| Local nav | Hierarchy, index, sequence |
| Content | Full views, partial views, associations |