

Developing this application:

- 1) Define the domain model
- 2) Adding a Pet to the store
 - a) Create a web-based interface
 - b) Add a pet
 - c) Display a pet
 - d) Editing a pet
 - e) Refactoring the CRUD – remove duplication in ViewPet and RemovePet
 - f) Changing the pet
- 3) Implement the Persistence Manager using the Pet
- 4) Retrieving pets
- 5) Persisting the categories
- 6) Define Navigation, look and feel - GWT , SiteMesh (will they mesh together?)
- 7) Implement browse and Search capabilities
 - a) Browsing the list of categories
 - b) Browsing the list of Pets
 - c) Searching the store for pets
 - a. Implementing LuceneIndexer
 - b. Implementing LuceneSearcher
 - c. Implementing Full-Text Searches
 - d. Tying it all together
- 8) Creating a shopping cart
- 9) Creating the Spring Actions
- 10) Checking out the Shopping cart
- 11) Secure the application
 - a. Use J2EE security
 - b. Use the HTTP Request Wrapper
 - c. Use the Security Filter
 - d. Use the login filter
 - e. Making all the above work in harmony
- 12) Important things to consider:
 - a) Why Test First
 - b) When to use Interfaces and classes
 - c) Avoid statics and singletons
 - d) Example scenarios using TDD
 - e) Model View Controller with Spring
 - f) Store objects using Hibernate
 - g) Map the classes to a database
 - h) Test Object interactions with Mocks
 - i) Unit test with JUnit
 - j) Examine and write the architecture