



# Introducing the Pet Clinic Monolith

The Spring Pet Clinic Web Application manages:

- Owners
  - Pets
  - Visits
- Veterinarians (“Vets”)
  - Specialities
- Management
  - Revenue

 spring 		HOME	OWNERS	VETERINARIANS
Veterinarians				
Name	Specialties			
James Carter	none			
Helen Leary	radiology			
Linda Douglas	dentistry surgery			
Rafael Ortega	surgery			
Henry Stevens	radiology			
Sharon Jenkins	none			

# Monolithic Pet Clinic Architecture

Spring Boot Web-MVC application renders HTML

- Views
  - Thymeleaf templates + CSS
- Controller
  - Spring @MVC annotations (@Controller etc.)
  - Bean Validation
- Service
  - @Service, @Transactional
- Repository
  - JPA (Hibernate)
  - HSQLDB persistence

help.md & readme.md

Spring Boot:

<https://docs.spring.io/spring-boot/docs/2.2.1.RELEASE/reference/htmlsingle/>

Run with Maven wrapper

```
cd monolith
../mvnw spring-boot:run
```

Spring Web-MVC

<https://docs.spring.io/spring/docs/5.2.1.RELEASE/spring-framework-reference/web.html>

Thymeleaf

<https://www.thymeleaf.org/>

Spring Data/JPA

<https://docs.spring.io/spring-data/jpa/docs/2.1.RELEASE/reference/html/#reference>

# Pet Clinic Files

JMS broker for events (not used now)  
Monolithic application (Maven module)  
application layers  
Repository interfaces  
JPA Entities  
Spring Boot main class  
Styling (CSS)  
HSQLDB schema definition  
Thymeleaf HTML templates  
Spring main configuration file  
unit and integration tests (coverage!)  
Maven wrapper executable

