

Dive Into Grails

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Grails

- Coding By Convention
- Powered By Groovy + Java
- JavaEE Apps
 - Run On Any JavaEE Server

Underneath Grails

- Spring
- Hibernate
- SiteMesh
- HSQL DB Built-in
- Jetty Server

Grails Elements

- Directory Structure
- Controllers
- Domain Classes
- Views
- Datasource Configuration

Grails Uses

- Layout
- Url Format - Url Mappings
- Interceptor
- Packaging

Dynamic Methods - Groovy MOP

- `Book.findByTitle("The Shining")`
- `Book.findByTitleAndAuthor("The Sum of All Fears", "Tom Clancy")`
- `Book.findByReleaseDateBetween(firstDate, new Date())`
- `Book.findByReleaseDateGreaterThanOrEquals(firstDate)`
- `Book.findByReleaseDateLessThanOrEquals(firstDate)`
- `Book.findByTitleLike("%Hobbit%")`
- `Book.findByTitleNotEqual("Harry Potter")`
- `Book.findByReleaseDateIsNull()`
- `Book.list(max:10, offset:100, sort:"title", order:"desc")`
- `Book.findWhere(title:"The Shining", author:"Stephen King")`
- `Book.executeQuery(String query)`
- `Book.countByTitle("The Shining")`

Services

- Holds the application logic
- Instance can be injected into controllers or other services

Ajax

- Ships with Prototype - Plug-ins for Dojo Yahoo UI and GWT

```
<g:javascript library="prototype" />
```

```
<g:remoteLink action="delete" id="1">Delete Book</g:remoteLink>
```

```
<g:formRemote name="bookfrm"  
url="[controller:'book',action:'delete']"  
update="[success:'message',failure:'error']">
```

```
<g:submitToRemote action="delete"  
update="[success:'message',failure:'error']" />
```

Summary

- Easy To Get Going
- Rapid JavaEE Development
- Vibrant Community

Thank You

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