# INFOSOFT IT SOLUTIONS

#### **Training | Projects | Placements**

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# **Liferay Application Developer Course Content**

#### **Development Environment**

- Installing Developer Studio
- Liferay Development Environment

#### **Module Lifecycle**

- Developing Applications in the Module Framework
- What are Modules?
- What are Components?
- Application Lifecycle

## **Building Modules**

Building a Module

### **Building Services**

- Service Architecture
- Creating a Basic Service
- Implementing Your Service

#### The JSR-286 Portlet Specification

- A JSR-286 Portlet Specification
- What are Portlets?

- The Portlet Lifecycle
- What is IPC?

#### **Interacting with the Shell**

- Overview of the Shell
- Bundle Installation
- Deployment Status

#### **Building Portlet Modules**

- Portlet Components
- Configuring Portlet Attributes
- Presentation Layer
- Controller Layer

#### **Debugging Module Deployment**

- Dependency Resolution
- Troubleshooting Deployment
- Discovering Services

#### **Bringing Everything Together In a Real World Application**

- Project Overview
- Creating the Portlet
- Model & Persistence Layer
- Service Layer
- View Layer

# **Bringing Everything Together in a Real World Application** (Continued)

Liferay Utilities

- Validation and Feedback
- Implementing Permissions
- Liferay Services
- Integrating with Liferay Frameworks
  Upgrade Strategy
- Upgrading from Liferay 6.2 to DXP