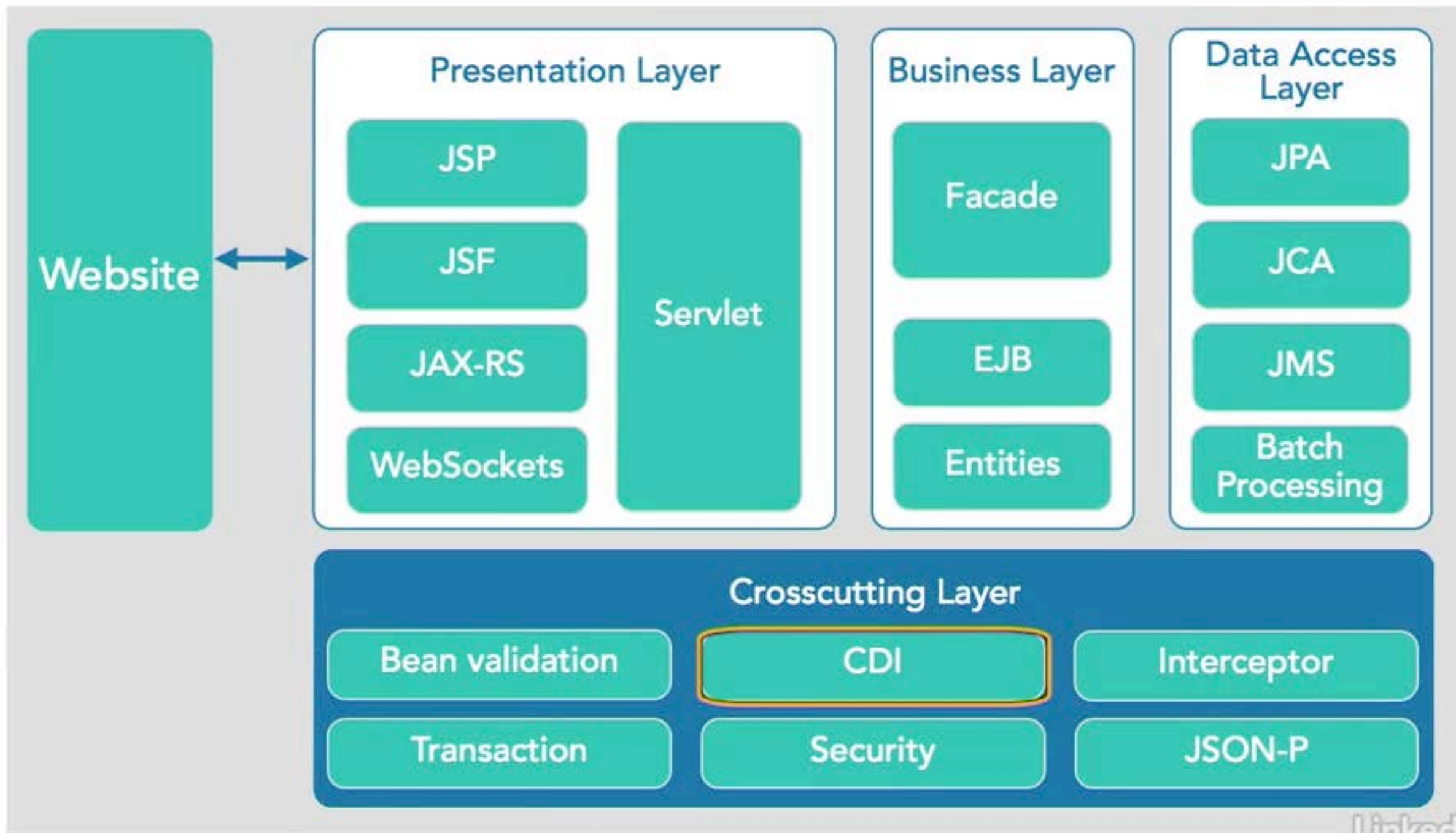


# CDI Introduction

- Glues layers together
- Range of powerful services
- Scopes, injectability, extensibility

# Typical Application Architecture



# Context and Dependency Injection

- All objects are injectable.
- JSR299
- EJBs
- JNDI resources
- Persistence units and persistence contexts

# Context and Dependency Injection

- Producer methods

```
@Produces  
public List<Book> availableBooks() {  
    return getListOfBooksFromDatabase();  
}
```

- @Inject mark injection point
- @Disposes, @Stereotype



# Expression Language Beans

- Require @Named
- Referenced by using lowercase bean (class) name

@Named

@ViewScoped

public class Track

# Type Safety

- Inject objects in a typesafe way
- By type, not name
- Implementation chosen at runtime
- Disambiguation by qualifiers @Qualifier

# Context and Scope

- Bind lifecycle and context



# Context and Scope

## Eight scopes

HTTP Request -> @RequestScoped

@ViewScoped, @FlowScoped

@Transaction

@RequestScoped, @SessionsScoped, @ConversationScoped,  
@ApplicationScoped, @Dependent

# Context and Scope

- Custom scope

# Extensibility

- Portable extensions SPI
- Vendor neutral
- DeltaSpike, Agorava, and Arquillian


# Interceptors and Decorators

- Interpose method invocations
- Crosscutting concerns
- @Interceptor, @Decorator

# Event Bus

- Very lightweight and decoupled
- Fire event and listen for event
- Event, @Observes





# Cargo Tracker



Applied domain-driven design blueprints for Java EE

Public Tracking Interface

Administration Interface

Mobile Event Logger





## Routed

Id	Origin	Destination	Last Known Location	Status	Deadline
ABC123 ⓘ	Hong Kong CNHKG	Helsinki FIHEL	New York USNYC	IN_PORT	03/15/2015 12:00 AM PDT
JKL567 ⓘ	Hangzhou CNHGH	Stockholm SESTO	New York USNYC	ONBOARD_CARRIER	03/18/2015 12:00 AM PDT

## Not Routed

Id	Origin	Destination	Deadline
DEF789 ⓘ	Hong Kong - CNHKG	Melbourne - AUMEL ✎	11/18/2015 - 12:00 AM PST

## Claimed

Id	Origin	Destination
MNO456 ⓘ	New York - USNYC	Dallas - USDAL



Routing Details of cargo ABC123

Origin: Hong Kong CNHKG  
Destination: Helsinki FIHEL  
Arrival deadline: 03/15/2015 12:00 AM PDT

Voyage	Load	at	Unload	at
0100S	Hong Kong CNHKG	03/02/2015 12:00 AM PST	New York USNYC	03/05/2015 12:00 AM PST
0200T	New York USNYC	03/06/2015 12:00 AM PST	Dallas USDAL	03/08/2015 12:00 AM PST
0300A	Dallas USDAL	03/09/2015 12:00 AM PDT	Helsinki FIHEL	03/12/2015 12:00 AM PDT





Routing Details of cargo ABC123

Origin: Hong Kong CNHKG  
Destination: Helsinki FIHEL  
Arrival deadline: 03/15/2015 12:00 AM PDT

Voyage	Load	at	Unload	at
0100S	Hong Kong CNHKG	03/02/2015 12:00 AM PST	New York USNYC	03/05/2015 12:00 AM PST
0200T	New York USNYC	03/06/2015 12:00 AM PST	Dallas USDAL	03/08/2015 12:00 AM PST
0300A	Dallas USDAL	03/09/2015 12:00 AM PDT	Helsinki FIHEL	03/12/2015 12:00 AM PDT





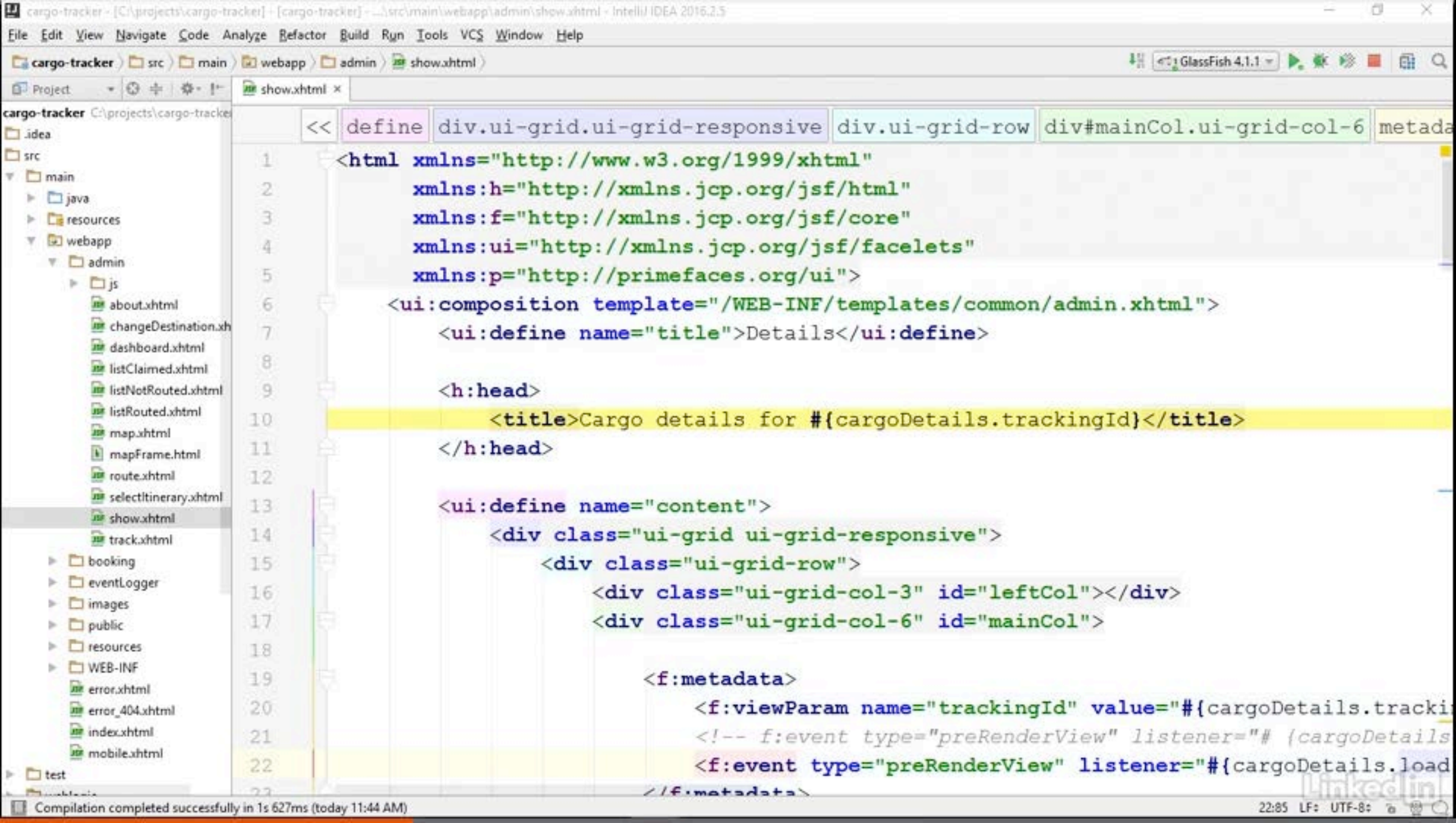
```
<< define div.ui-grid.ui-grid-responsive div.ui-grid-row div#mainCol.ui-grid-col-6 metada
```

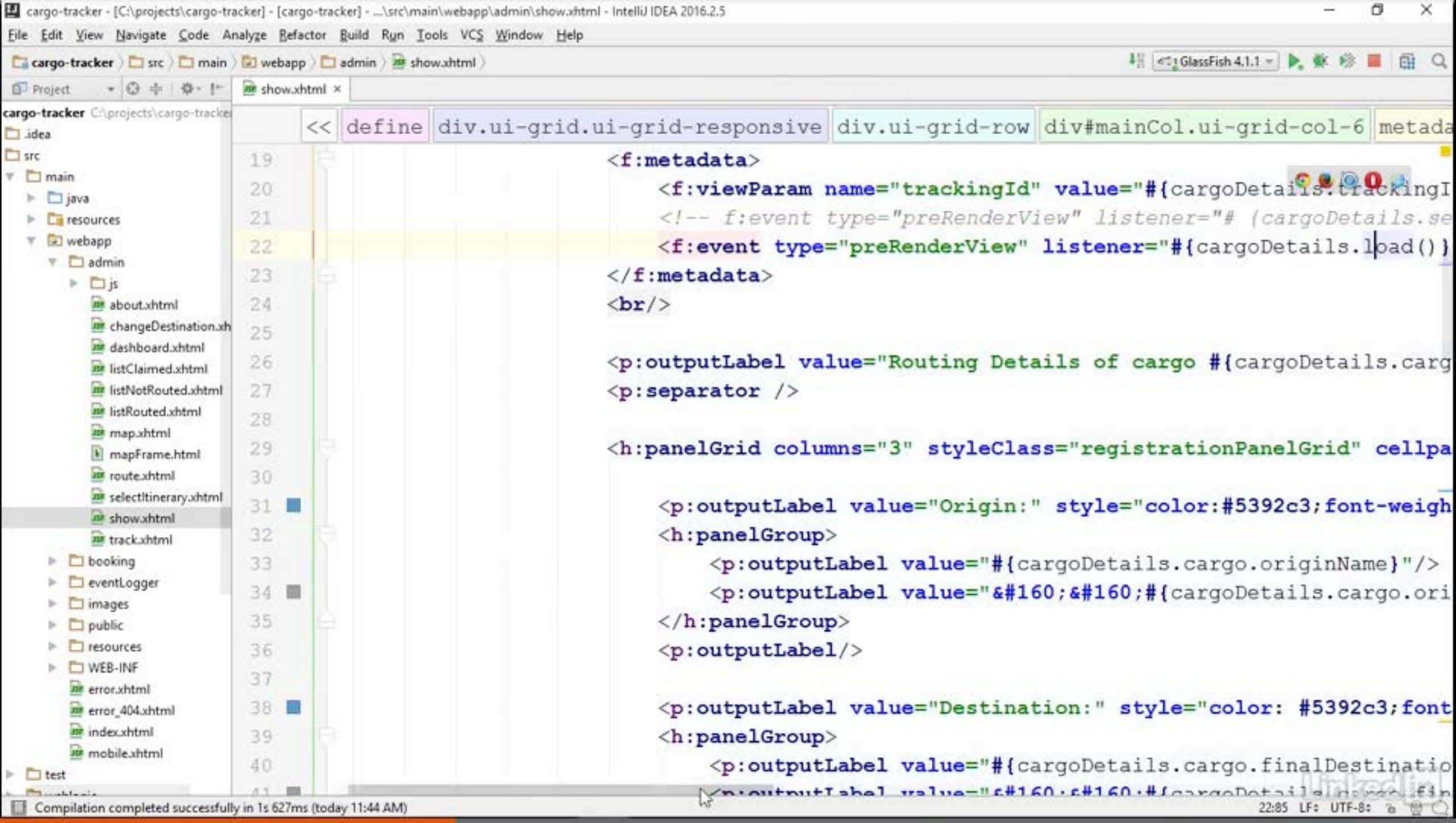
```

1 <html xmlns="http://www.w3.org/1999/xhtml"
2   xmlns:h="http://xmlns.jcp.org/jsf/html"
3   xmlns:f="http://xmlns.jcp.org/jsf/core"
4   xmlns:ui="http://xmlns.jcp.org/jsf/facelets"
5   xmlns:p="http://primefaces.org/ui">
6   <ui:composition template="/WEB-INF/templates/common/admin.xhtml">
7     <ui:define name="title">Details</ui:define>
8
9     <h:head>
10       <title>Cargo details for #{cargoDetails.trackingId}</title>
11     </h:head>
12
13     <ui:define name="content">
14       <div class="ui-grid ui-grid-responsive">
15         <div class="ui-grid-row">
16           <div class="ui-grid-col-3" id="leftCol"></div>
17           <div class="ui-grid-col-6" id="mainCol">
18
19             <f:metadata>
20               <f:viewParam name="trackingId" value="#{cargoDetails.trackingId}" />
21               <!-- f:event type="preRenderView" listener="#{cargoDetails.load}" />
22               <f:event type="preRenderView" listener="#{cargoDetails.load}" />
23             </f:metadata>

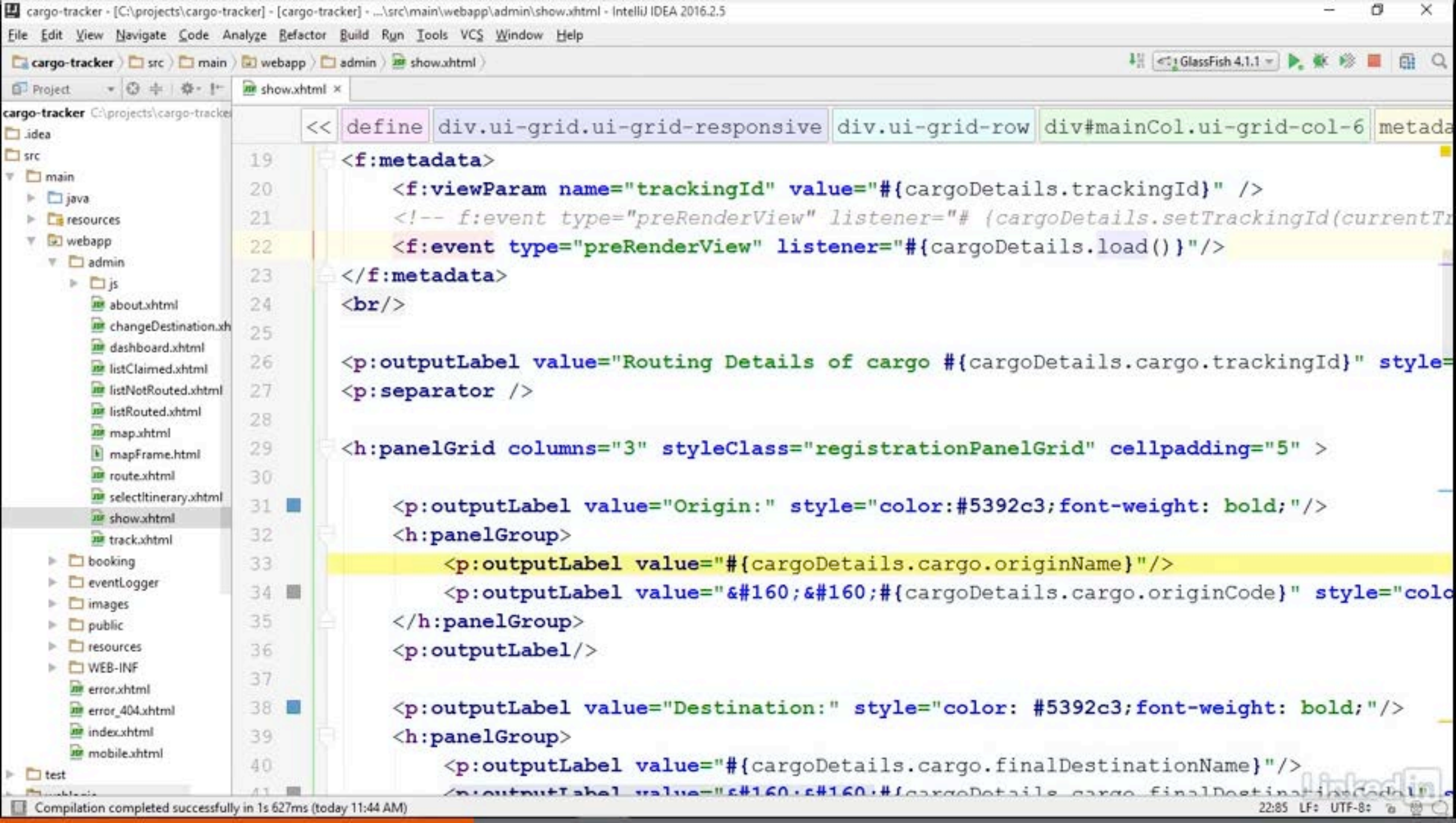
```









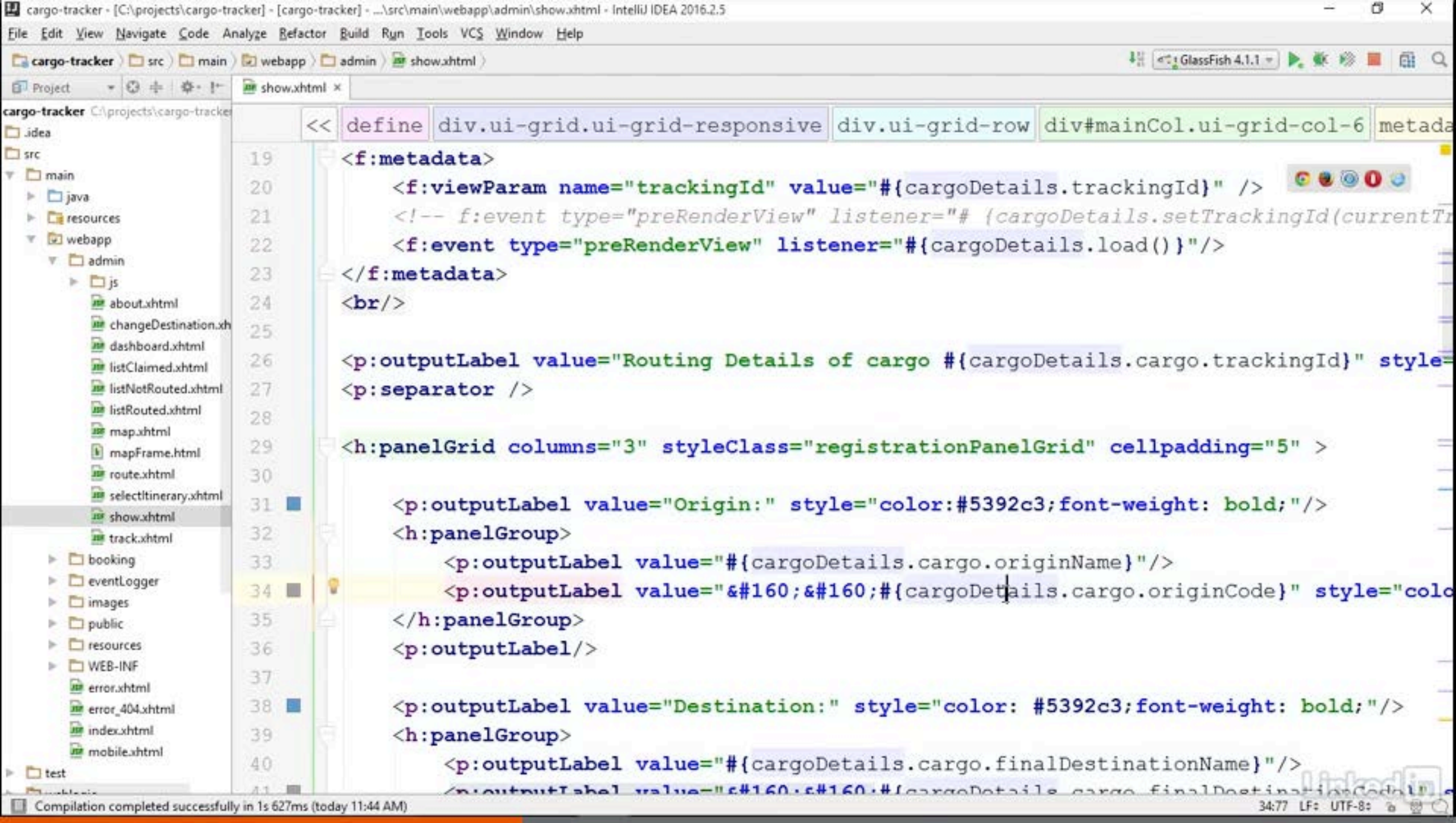




in 1s 627ms (today 11:44 AM)

22:85 LF: UTF-8: 79 88 00





## CargoDetails

```
16  * tracking controller. However, there is never any one perfect solution for all
17  * situations, so we've chosen to demonstrate two polarized ways to build user
18  * interfaces.
19  *
20  * @see net.java.cargotracker.interfaces.tracking.CargoTrackingController
21  */
22  @Named
23  @RequestScoped
24  public class CargoDetails {
25
26      // TODO Use this format for date rendering.
27      private static final String FORMAT = "yyyy-MM-dd hh:mm";
28      private String trackingId;
29      private CargoRoute cargo;
30      @Inject
31      private BookingServiceFacade bookingServiceFacade;
32
33      public String getTrackingId() { return trackingId; }
34
35
36      public void setTrackingId(String trackingId) { this.trackingId = trackingId; }
37
38
39
40
41      public CargoRoute getCargo() { return cargo; }
```



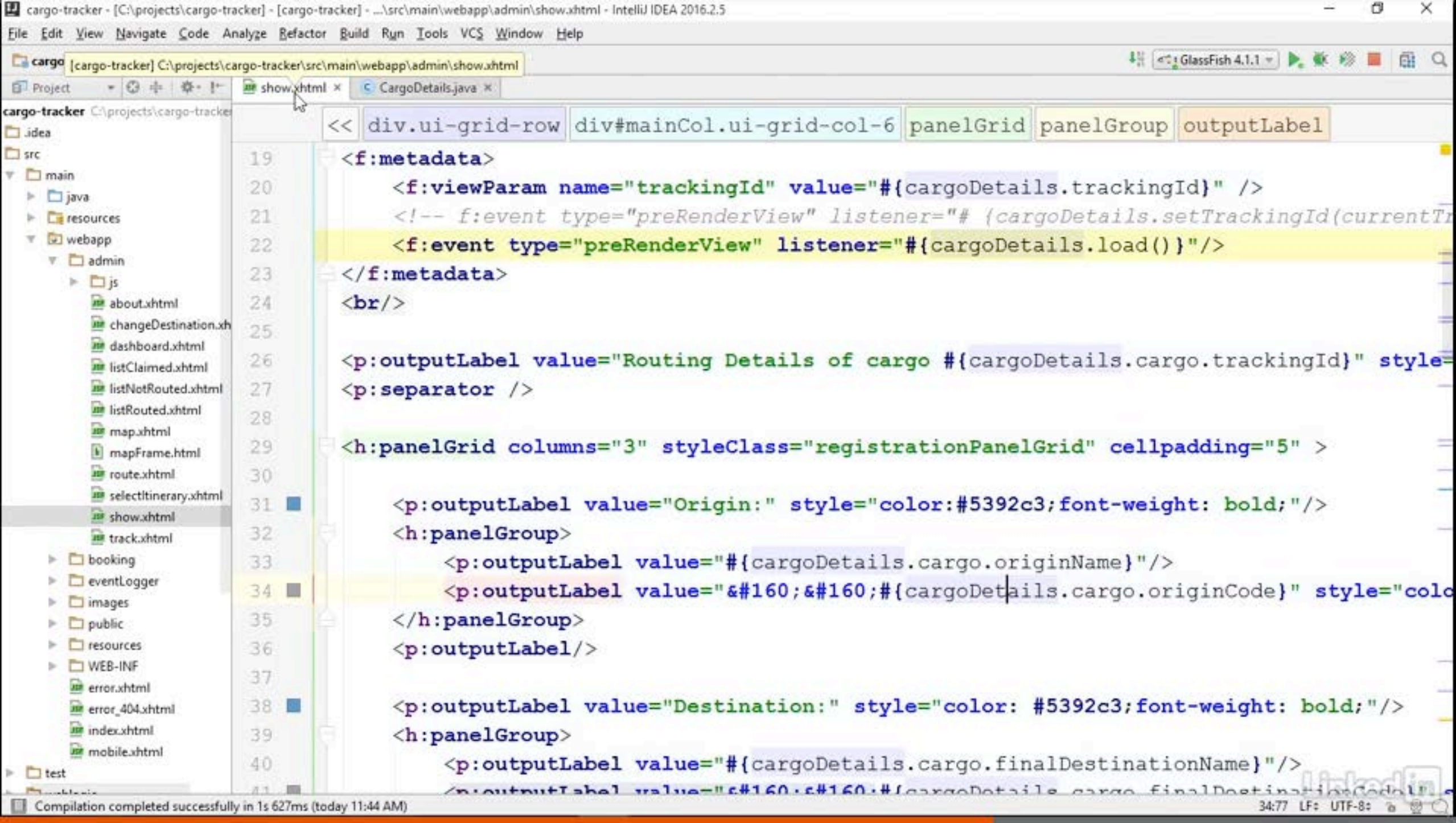
## CargoDetails

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16  * tracking controller. However, there is never any one perfect solution for all
17  * situations, so we've chosen to demonstrate two polarized ways to build user
18  * interfaces.
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34
35
36
37      public void setTrackingId(String trackingId) { this.trackingId = trackingId; }
38
39
40
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```

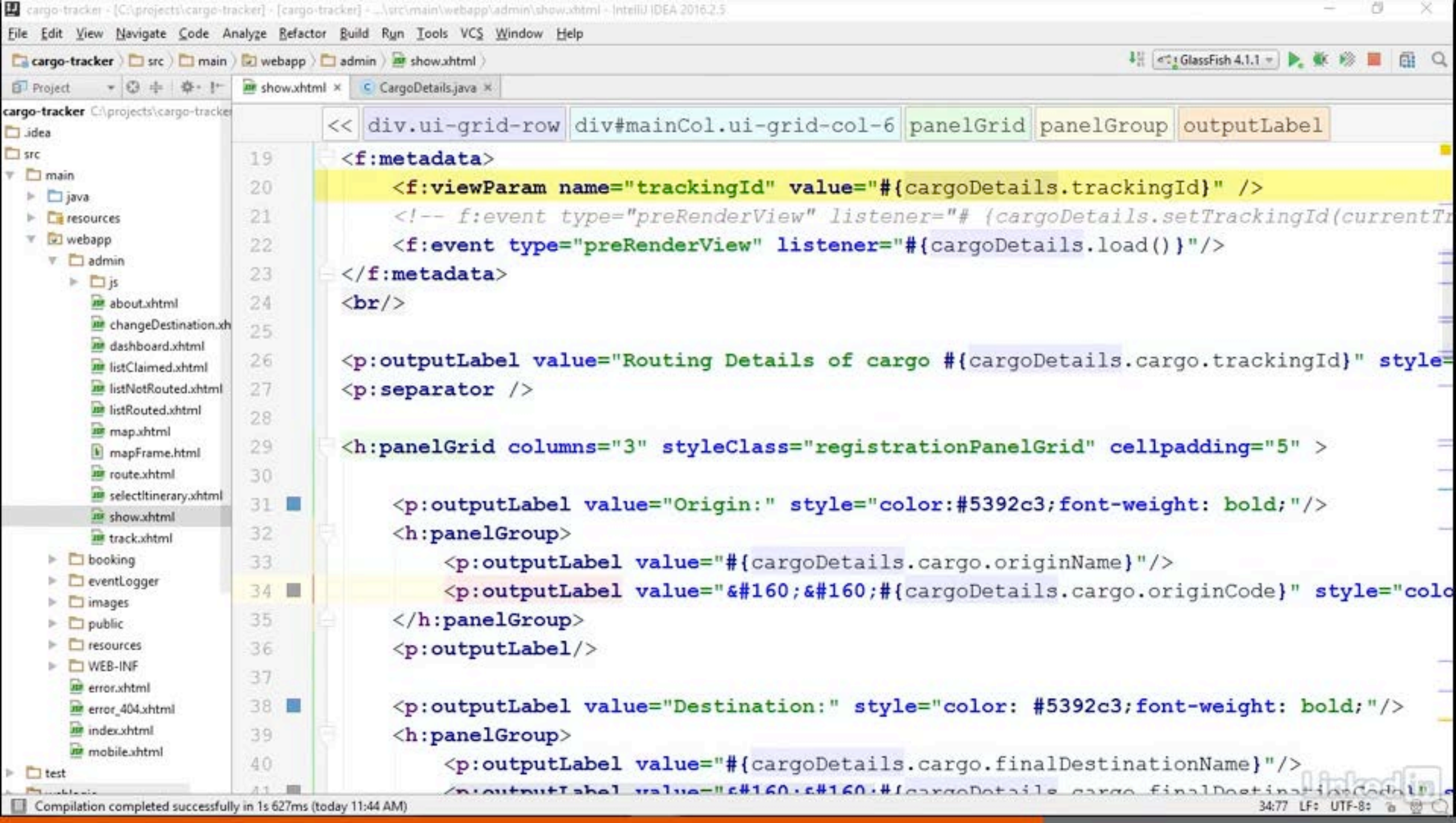
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34
35      public void setTrackingId(String trackingId) { this.trackingId = trackingId; }
36
37      public CargoRoute getCargo() { return cargo; }
```









```
CargoDetails load()
```

```
public class CargoDetails {
```

```
// TODO Use this format for date rendering.
```

```
private static final String FORMAT = "yyyy-MM-dd hh:mm";
```

```
private String trackingId;
```

```
private CargoRoute cargo;
```

```
@Inject
```

```
private BookingServiceFacade bookingServiceFacade;
```

```
public String getTrackingId() { return trackingId; }
```

```
public void setTrackingId(String trackingId) { this.trackingId = trackingId; }
```

```
public void setTrackingId(String trackingId) { this.trackingId = trackingId; }
```

```
public CargoRoute getCargo() { return cargo; }
```

```
public void load() {
```

```
cargo = bookingServiceFacade.loadCargoForRouting(trackingId);
```

1

1

 to |

10

10

10

10

10

10

10

10

10

45:17 LF: UTF-8: 



cargo-tracker - [C:\projects\cargo-tracker] - [cargo-tracker] ...src\main\java\net\java\cargotracker\interfaces\booking\web\CargoDetails.java - IntelliJ IDEA 2016.2.5

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

cargo-tracker src main java net java cargotracker interfaces booking web CargoDetails

Project show.xhtml CargoDetails.java

cargo-tracker C:\projects\cargo-tracker

idea

src

main

java

resources

webapp

admin

js

about.xhtml

changeDestination.xhtml

dashboard.xhtml

listClaimed.xhtml

listNotRouted.xhtml

listRouted.xhtml

map.xhtml

mapFrame.html

route.xhtml

selectItinerary.xhtml

show.xhtml

track.xhtml

booking

eventLogger

images

public

resources

WEB-INF

error.xhtml

error\_404.xhtml

index.xhtml

mobile.xhtml

test

CargoDetails bookingServiceFacade

25

26 // TODO Use this format for date rendering.

27 private static final String FORMAT = "yyyy-MM-dd hh:mm";

28 private String trackingId;

29 private CargoRoute cargo;

30 @Inject

31 private BookingServ

32

33 public String getTr

36

37 public void setTrac

40

41 public CargoRoute g

44

45 public void load()

46 cargo = booking

47

48 }

Copy Reference Ctrl+Alt+Shift+C

Paste Ctrl+V

Paste from History... Ctrl+Shift+V

Paste Simple Ctrl+Alt+Shift+V

Column Selection Mode Alt+Shift+Insert

Find Usages Alt+F7

Refactor

Folding

Analyze

Go To Jump to Navigation Bar Alt+Home

Generate... Alt+Insert Declaration Copy li

Toggle Field Watchpoint Implementation(s) Ctrl+Alt+B

Recompile 'CargoDetails.java' Ctrl+Shift+F9 Type Declaration Ctrl+Shift+B

Local History Super Method Ctrl+U

Compare with Clipboard Test Ctrl+Shift+T

File Encoding

Diagrams

Create Gist...

Show Bean Dependencies (CDI)

WebServices

RESTful Web Services

{ this.trackingId = trackingId; }

}

Navigation to the declaration of the symbol at caret

31:24 LF: UTF-8: %



cargo-tracker C:\projects\cargo-tracker

- idea
- src
  - main
    - java
    - resources
    - webapp
      - admin
        - js
          - about.xhtml
          - changeDestination.xh
          - dashboard.xhtml
          - listClaimed.xhtml
          - listNotRouted.xhtml
          - listRouted.xhtml
          - map.xhtml
          - mapFrame.html
          - route.xhtml
          - selectItinerary.xhtml
          - show.xhtml
          - track.xhtml
        - booking
        - eventLogger
        - images
        - public
        - resources
        - WEB-INF
          - error.xhtml
          - error\_404.xhtml
          - index.xhtml
          - mobile.xhtml
      - test

## DefaultBookingServiceFacade

```
1 package net.java.cargotracker.interfaces.booking.facade.internal;
2
3 import ...
4
24
25 @ApplicationScoped
26 public class DefaultBookingServiceFacade implements BookingServiceFacade,
27     Serializable {
28
29     private static final long serialVersionUID = 1L;
30     @Inject
31     private BookingService bookingService;
32     @Inject
33     private LocationRepository locationRepository;
34     @Inject
35     private CargoRepository cargoRepository;
36     @Inject
37     private VoyageRepository voyageRepository;
38
39     @Override
40     public List<net.java.cargotracker.interfaces.booking.facade.dto.Location> listShipp
41         List<Location> allLocations = locationRepository.findAll();
42         LocationDtoAssembler assembler = new LocationDtoAssembler();
43         return assembler.toDtoList(allLocations);
```

The background features a complex pattern of overlapping concentric circles in shades of gray and yellow. A solid yellow horizontal band runs across the middle of the image, serving as a backdrop for the central text. The circles vary in size and opacity, creating a sense of depth and movement.

**Challenge**



# Challenge: CDI

## Create a list view page

Add a view that displays all of the cargo in a list on one page

## Hint

Visit the [primefaces.org](http://www.primefaces.org) website for example code for the JSF frontend and backend. Think about the conversation we had about named beans and producer methods.

<http://www.primefaces.org>

# Challenge: CDI

## Create a list view page

Add a view that displays all of the cargo in a list on one page

## Hint

Visit the [primefaces.org](http://primefaces.org) website for example code for the JSF frontend and backend. Think about the conversation we had about named beans and producer methods.

The background features a complex pattern of overlapping concentric circles in various shades of blue and grey. A solid, medium-blue horizontal band runs across the center of the image. The word "Solution" is centered within this band, overlaid on a large, prominent set of concentric circles.

**Solution**





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# PrimeFaces

Ultimate UI Framework for Java EE

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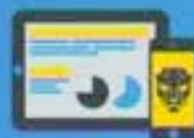
Ajax  
Framework



Components



Productivity



Mobile



Push



Themes &  
Layouts

Exercise Files > Ch04 > 04\_04

[Overview](#)[Demos](#)[Development](#)[Support](#)[Store](#)[Social](#)[PrimeFaces](#)[PrimeUI](#)[PrimeNG](#)

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Ultimate UI Framework for Java EE

[Demo](#)[Download](#)[Learn](#)

Ajax  
Framework



Components



Productivity



Mobile



Push



Themes &  
Layouts



PrimeFaces  
SHOWCASE



PF Themes



PF Mobile



PF Push



PF Extensions



PF MockOSX



Search Menu



Ajax Core



Input



Button



Data



Panel



Overlay



Menu



Charts



Messages

## Ready For PrimeTime

PrimeFaces is a popular open source framework for JavaServer Faces featuring over 100 components, touch optimized mobilekit, push framework, client side validation, theme engine and more.

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Documentation



### AJAX FRAMEWORK

Without Javascript  
Declarative Updates  
Partial Page Rendering  
Extensions



### COMPONENTS

Over 100  
Flexible and Easy to Use  
Built-in Ajax  
HTML5 Support  
Accessible



### PRODUCTIVITY

Simple  
Effective  
Powerful  
Lightweight



### MOBILE

Mobile Optimized  
RenderKit  
Mobile Components  
Cross Platform  
Same Backend



### PUSH

Powered by Atmosphere  
Websockets  
Fallback Transports  
Portable  
Scalable



### THEMES

35+ Available Themes  
Premium Themes  
Theme Creator Tool





PrimeFaces  
SHOWCASE



PFThemes



PFMobile



PFPush



PFExtensions



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Scalable





### THEMES

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Premium Themes  
Theme Creator Tool







 Ajax Core

Input

• AutoComplete

• BooleanButton

• Calendar

• OneMenu

• InputText

• InputMask

• ManyButton

• ManyCheckbox

• OneButton

• Signature

• Slider

• Password

• Rating

• InputTextarea

• BooleanCheckbox

• CheckboxMenu

• Editor

• InputNumber

• Listbox

• ManyMenu

• MultiSelectListbox

• OneRadio


• Spinner


• Switch


• Keyboard


• ColorPicker


PrimeFaces  
SHOWCASE




 PFThemes

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 PFPush


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Portable  
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THEMES

35+ Available Themes  
Premium Themes  
Theme Creator Tool



www.primefaces.org/showcase/ui/input/autoComplete.xhtml




 Ajax Core


Input


- AutoComplete
- BooleanButton
- Calendar
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- InputText
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- ManyButton
- ManyCheckbox
- OneButton
- Signature
- Slider
- Password
- Rating


- InputTextarea
- BooleanCheckbox
- CheckboxMenu
- Editor
- InputNumber
- Listbox
- ManyMenu
- MultiSelectListbox
- OneRadio
- Spinner
- Switch
- Keyboard
- ColorPicker


PrimeFaces  
SHOWCASE




 PF Themes

 PF Mobile

 PF Push

 PF Extensions

 PF MockOSX

InputText

InputText extends standard InputText with skinning capabilities.

inputText.xhtml

Documentation

1 | `<p:inputText />`

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Running PrimeFaces-6.0.6 on Mojarra-2.2.8.

Waiting for www.primefaces.org...

LinkedIn

PrimeFaces Showcase

www.primefaces.org/showcase/ui/input/signature.xhtml



Search Menu


Ajax Core


Input


- AutoComplete
- BooleanButton
- Calendar
- OneMenu
- InputText
- InputMask
- ManyButton
- ManyCheckbox
- OneButton
- Signature
- Slider
- Password
- Rating


- InputTextarea
- BooleanCheckbox
- CheckboxMenu
- Editor
- InputNumber
- Listbox
- ManyMenu
- MultiSelectListbox
- OneRadio
- Spinner
- Switch
- Keyboard
- ColorPicker


PrimeFacesSHOWCASE

PF Themes

PF Mobile

PF Push

PF Extensions

PF MockOSX

Signature

Signature is used to draw a signature as an input. Various options such as background color, foreground color, thickness are available for customization. Signature also supports touch enabled devices and legacy browsers without canvas support.


✓ Submit

✕ Clear

signature.xhtml

SignatureView.java

Documentation





PrimeFaces Showcase

www.primefaces.org/showcase/ui/input/signature.xhtml

Search Menu

Ajax Core

Input

• AutoComplete

• BooleanButton

• Calendar

• OneMenu

• InputText

• InputMask

• ManyButton

• ManyCheckbox

• OneButton

• Signature

• Slider

• Password

• Rating

• Inplace

• Knob

• TriStateCheckbox

• InputTextarea

• BooleanCheckbox

• CheckboxMenu

• Editor

• InputNumber

• Listbox

• ManyMenu

• MultiSelectListbox

• OneRadio

• Spinner

• Switch

• Keyboard

• ColorPicker

• KeyFilter

• TextEditor

signature.xhtml

SignatureView.java

Documentation

```
1 <h:form>
2   <p:growl autoUpdate="true" />
3
4   <p:signature style="width:400px;height:200px" widgetVar="sig" value="#{signatureView.value}"
5
6   <div style="margin:20px 0">
7     <p:commandButton value="Submit" icon="ui-icon-check" update="output"/>
8     <p:commandButton value="Clear" icon="ui-icon-close" type="button" onclick="PF('sig').clear()" />
9   </div>
10
11   <p:outputPanel id="output">
12     <h:outputText rendered="#{not empty signatureView.value}" style="font-size:24px;display:block;text-align:center;margin-bottom:10px;" value="#{signatureView.value}" />
13     <p:signature style="width:400px;height:200px;" value="#{signatureView.value}" readOnly="true"
14       rendered="#{not empty signatureView.value}" backgroundColor="#eaeaea" color="#000000" />
15   </p:outputPanel>
16 </h:form>
```

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PrimeFaces Showcase

www.primefaces.org/showcase/ui/input/signature.xhtml

Search Menu

Ajax Core

Input

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• Editor

• InputNumber

• Listbox

• ManyMenu

• MultiSelectListbox

• OneRadio

• Spinner

• Switch

• Keyboard

• ColorPicker

• KeyFilter

• TextEditor

signature.xhtml

SignatureView.java

Documentation

```
1 package org.primefaces.showcase.view.input;
2
3 import javax.faces.bean.ManagedBean;
4
5 @ManagedBean
6 public class SignatureView {
7
8     private String value;
9
10    public String getValue() {
11        return value;
12    }
13
14    public void setValue(String value) {
15        this.value = value;
16    }
17 }
```

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Running PrimeFaces-6.0.6 on Mojarra-2.2.8.

LinkedIn

www.primefaces.org/showcase/ui/input/signature.xhtml#j\_idt97:j\_idt100

www.primefaces.org/showcase/ui/input/password.xhtml

Ajax Core

Input

• AutoComplete

• BooleanButton

• Calendar

• OneMenu

• InputText

• InputMask

• ManyButton

• ManyCheckbox

• OneButton

• Signature

• Slider

• Password

• Rating

• Inplace

• Knob

• TriStateCheckbox

• InputTextarea

• BooleanCheckbox

• CheckboxMenu

• Editor

• InputNumber

• Listbox

• ManyMenu

• MultiSelectListbox

• OneRadio

• Spinner

• Switch

• Keyboard

• ColorPicker

• KeyFilter

• TextEditor

Button

signature.xhtml

SignatureView.java

Documentation

```
1 package org.primefaces.showcase.view.input;
2
3 import javax.faces.bean.ManagedBean;
4
5 @ManagedBean
6 public class SignatureView {
7
8     private String value;
9
10    public String getValue() {
11        return value;
12    }
13
14    public void setValue(String value) {
15        this.value = value;
16    }
17 }
```

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Running PrimeFaces-6.0.6 on Mojarra-2.2.8.

LinkedIn



## Ajax Core

## Input

- AutoComplete
- BooleanButton
- Calendar
- OneMenu
- InputText
- InputMask
- ManyButton
- ManyCheckbox
- OneButton
- Signature
- Slider
- Password
- Rating
- Inplace
- Knob
- TriStateCheckbox
- InputTextarea
- BooleanCheckbox
- CheckboxMenu
- Editor
- InputNumber
- Listbox
- ManyMenu
- MultiSelectListbox
- OneRadio
- Spinner
- Switch
- Keyboard
- ColorPicker
- KeyFilter
- TextEditor

## Button

Feedback (Turkish):

Inline Feedback:

Password 1: \*

Password 2: \*

Save

password.xhtml

PasswordView.java

Documentation

```
1 <h:form>
2   <h:panelGrid columns="2" cellpadding="5">
3     <h:outputText value="Basic: " />
4     <p:password id="nonFeedback" value="#{passwordView.password1}" />
5
6     <h:outputText value="Feedback: " />
7     <p:password id="feedback" value="#{passwordView.password2}" feedback="true" />
8
9     <h:outputText value="Feedback (Turkish): " />
10    <p:password id="turkishFeedback" value="#{passwordView.password3}" feedback="true"
11      promptLabel="Lütfen şifre giriniz" weakLabel="Zayıf"
12      goodLabel="Orta seviye" strongLabel="Güçlü" />
13
14    <h:outputText value="Inline Feedback: " />
15    <p:password id="inlineFeedback" value="#{passwordView.password4}" feedback="true" inline
16  </h:panelGrid>
17
18  <p:spacer height="10" />
19
20  <p:separator />
```

PrimeFaces Showcase

www.primefaces.org/showcase/ui/input/rating.xhtml

☆

Search Menu

Ajax Core

Input

- AutoComplete
- BooleanButton
- Calendar
- OneMenu
- InputText
- InputMask
- ManyButton
- ManyCheckbox
- OneButton
- Signature
- Slider
- Password
- Rating

- InputTextarea
- BooleanCheckbox
- CheckboxMenu
- Editor
- InputNumber
- Listbox
- ManyMenu
- MultiSelectListbox
- OneRadio
- Spinner
- Switch
- Keyboard
- ColorPicker

PrimeFaceSHOWCASE

Rating

Rating component provides a star based rating input.

Basic: ☆☆☆☆☆

Callback: ☆☆☆☆☆☆☆

Ajax Rate: ☆☆☆☆☆

Readonly: ★★★★★

Disabled: ★★★★★

Submit

rating.xhtml

RatingView.java

Documentation

1<h:form>

2<p:growl id="messages" showDetail="true" />

3

4<h:panelGrid columns="2" cellpadding="5">

5<h:outputText value="Basic:" />

www.primefaces.org says:

You rated 3

OK


PF Mobile


PF Push

PF Extensions

PF Mock OSX

LinkedIn





 Ajax Core


Input


- AutoComplete
- BooleanButton
- Calendar
- OneMenu
- InputText
- InputMask
- ManyButton
- ManyCheckbox
- OneButton
- Signature
- Slider
- Password
- Rating


- InputTextarea
- BooleanCheckbox
- CheckboxMenu
- Editor
- InputNumber
- Listbox
- ManyMenu
- MultiSelectListbox
- OneRadio
- Spinner
- Switch
- Keyboard
- ColorPicker




PFThemes

PFMobile


PFPush


PFExtensions


PFMockOSX


Rating


Rating component provides a star based rating input.

Basic:

Callback:

Ajax Rate:

Readonly:

Disabled:

Submit

rating.xhtml

RatingView.java

Documentation

1<h:form>

2<p:growl id="messages" showDetail="true" />

3


4<h:panelGrid columns="2" cellpadding="5">

5<h:outputText value="Basic:" />

LinkedIn



PrimeFaces Showcase





Ajax Core


Input


- AutoComplete
- BooleanButton
- Calendar
- OneMenu
- InputText
- InputMask
- ManyButton
- ManyCheckbox
- OneButton
- Signature
- Slider
- Password
- Rating


- InputTextarea
- BooleanCheckbox
- CheckboxMenu
- Editor
- InputNumber
- Listbox
- ManyMenu
- MultiSelectListbox
- OneRadio
- Spinner
- Switch
- Keyboard
- ColorPicker

Basic: 

Callback: 

Ajax Rate: 

Readonly: 

Disabled 

Submit

rating.xhtml

RatingView.java

Documentation

```
1 package org.primefaces.showcase.view.input;
2
3 import javax.faces.application.FacesMessage;
4 import javax.faces.bean.ManagedBean;
5 import javax.faces.context.FacesContext;
6
7 import org.primefaces.event.RateEvent;
8
9 @ManagedBean
10 public class RatingView {
11
12     private Integer rating1;
13     private Integer rating2;
14     private Integer rating3;
15     private Integer rating4 = 3;
16
17     public void onrate(RateEvent rateEvent) {
18         FacesMessage message = new FacesMessage(FacesMessage.SEVERITY_INFO, "Rate Event", "You r
19         FacesContext.getCurrentInstance().addMessage(null, message);
20     }
21
22     public void oncancel() {
23         FacesMessage message = new FacesMessage(FacesMessage.SEVERITY_INFO, "Cancel Event", "Rat
```

www.primefaces.org/showcase/ui/input/rating.xhtml#j\_idt108j\_idt111

LinkedIn

PrimeFaces Showcase

www.primefaces.org/showcase/ui/data/datatable/basic.xhtml



Search Menu

Ajax Core

Input

Button

Data

- Carousel
- DataList
- DataTable
- PickList
- GMap
- Mindmap
- Ring
- TagCloud
- TreeTable
- DataGrid
- DataScroller
- Diagram
- OrderList
- DataExporter
- Repeat
- Schedule
- Tree
- HorizontalTree

bcd41f4c	1988	Renault	Green
148bef98	1976	Volvo	Orange
a1d8dca5	1983	Jaguar	Blue
3bc51cb5	1973	Honda	White
4f3d8a9b	1969	Fiat	Silver
408f48ab	1996	Renault	Yellow
8a2f8420	1975	Jaguar	Red

basic.xhtmlBasicView.javaCarService.javaDocumentation

```
1 <p:dataTable var="car" value="#{dtBasicView.cars}">
2   <p:column headerText="Id">
3     <h:outputText value="#{car.id}" />
4   </p:column>
5
6   <p:column headerText="Year">
7     <h:outputText value="#{car.year}" />
8   </p:column>
9
10  <p:column headerText="Brand">
11    <h:outputText value="#{car.brand}" />
12  </p:column>
13
14  <p:column headerText="Color">
15    <h:outputText value="#{car.color}" />
16  </p:column>
17 </p:dataTable>
```

LinkedIn

Search Menu

Ajax Core

Input

Button

Data

- Carousel
- DataGrid
- DataList
- DataScroller
- DataTable
- Diagram
- PickList
- OrderList
- GMap
- DataExporter
- Mindmap
- Repeat
- Ring
- Schedule
- TagCloud
- Tree

4f3d8a9b	1969	Fiat	Silver
408f48ab	1996	Renault	Yellow
8a2f8420	1975	Jaguar	Red

[basic.xhtml](#)
[BasicView.java](#)
[CarService.java](#)
[Documentation](#)

```

1 package org.primefaces.showcase.view.data.datatable;
2
3 import java.io.Serializable;
4 import java.util.List;
5 import javax.annotation.PostConstruct;
6 import javax.faces.bean.ManagedBean;
7 import javax.faces.bean.ManagedProperty;
8 import javax.faces.bean.ViewScoped;
9 import org.primefaces.showcase.domain.Car;
10 import org.primefaces.showcase.service.CarService;
11
12 @ManagedBean(name="dtBasicView")
13 @ViewScoped
14 public class BasicView implements Serializable {
15
16     private List<Car> cars;
17
18     @ManagedProperty("#{carService}")
19     private CarService service;
20
21     @PostConstruct
22     public void init() {
23         cars = service.createCars(10);
24     }
25
26     public List<Car> getCars() {
27         return cars;
28     }
29 }
    
```



PrimeFaces ShowCase

www.primefaces.org/showcase/ui/data/datatable/basic.xhtml

Search Menu

Ajax Core

Input

Button

Data

- Carousel
- DataList
- DataTable
- PickList
- GMap
- Mindmap
- Ring
- TagCloud
- DataGrid
- DataScroller
- Diagram
- OrderList
- DataExporter
- Repeat
- Schedule
- Tree


basic.xhtmlBasicView.javaCarService.javaDocumentation

```
1 package org.primefaces.showcase.seryice;
2
3 import java.util.ArrayList;
4 import java.util.List;
5 import java.util.UUID;
6 import javax.faces.bean.ApplicationScoped;
7 import javax.faces.bean.ManagedBean;
8 import org.primefaces.showcase.domain.Car;
9
10 @ManagedBean(name = "carService")
11 @ApplicationScoped
12 public class CarService {
13
14     private final static String[] colors;
15
16     private final static String[] brands;
17
18     static {
19         colors = new String[10];
20         colors[0] = "Black";
21         colors[1] = "White";
22         colors[2] = "Green";
23         colors[3] = "Red";
24         colors[4] = "Blue";
25         colors[5] = "Orange";
26         colors[6] = "Silver";
27         colors[7] = "Yellow";
28         colors[8] = "Brown";
29         colors[9] = "Maroon";
30
31         brands = new String[10];
32         brands[0] = "BMW";
33         brands[1] = "Mercedes";
```

LinkedIn

PrimeFaces Showcase

www.primefaces.org/showcase/ui/multimedia/barcode.xhtml



Search Menu

Ajax Core

Input

Button

Data

Panel


Overlay


Menu


Charts


Messages


PrimeFaces  
SHOWCASE

PF Themes

PF Mobile






PF Push

PF Extensions

PF MockOSX

Barcode

Barcode component generates various types of barcodes in PNG or SVG formats. Browsers with no SVG support fallback to PNG automatically.

Interleaved 2 of 5	 0123456789
Codabar	 0123456789
Code39	 0123456789
Code128	 0123456789
EAN-8	 20123451

LinkedIn

www.primefaces.org/showcase

www.primefaces.org/showcase/ui/multimedia/galleria.xhtml

Panel

Overlay

Menu

Charts

Messages

Multimedia

Barcode

ContentFlow

Galleria

Media

Switch

Compare

Cropper

GraphicImage

PhotoCam

File

DragDrop

PrimeFaces

SHOWCASE

PFThemes

PFMobile






PFPush

PFExtensions

PFMockOSX

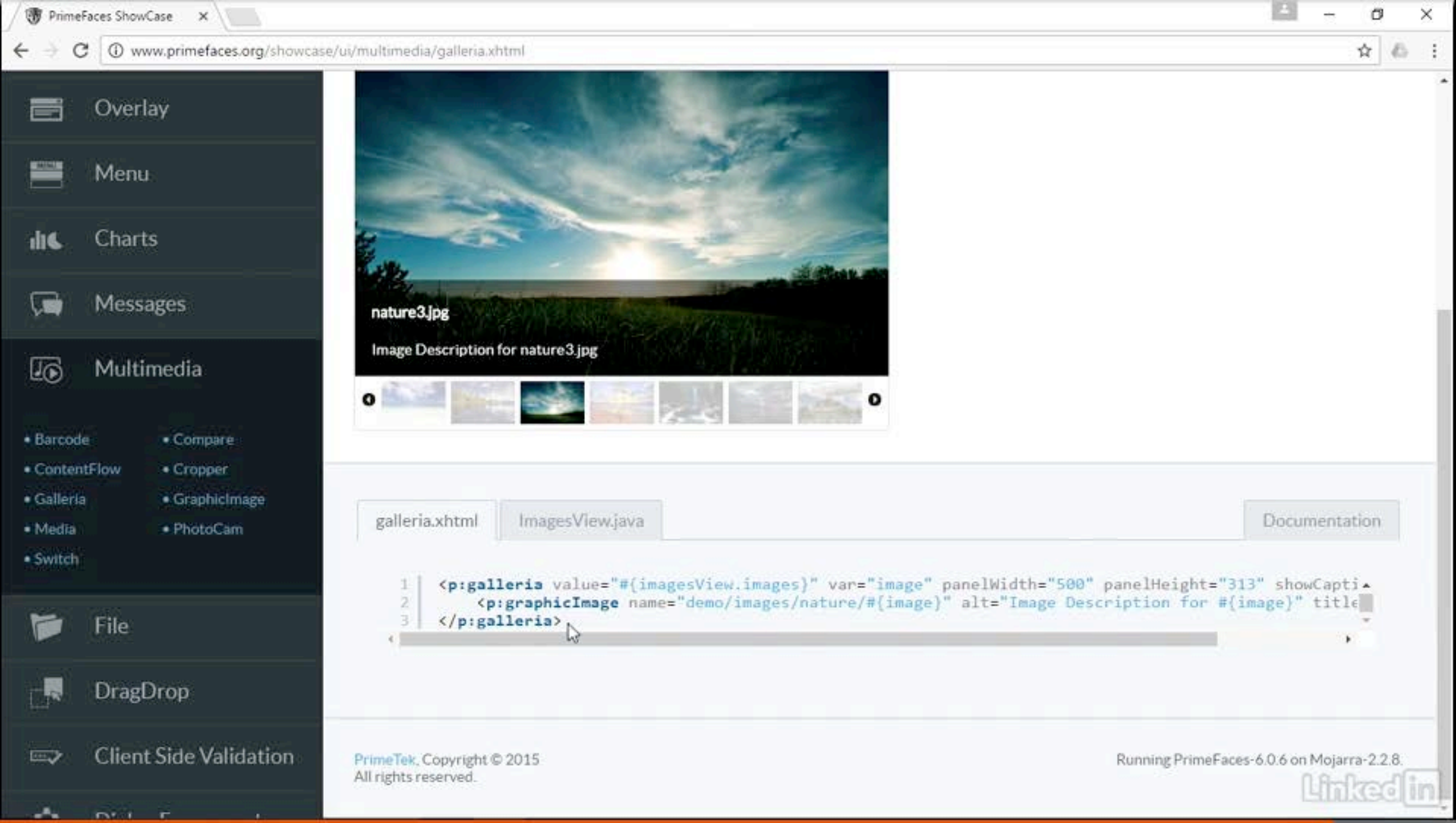
Barcode

Barcode component generates various types of barcodes in PNG or SVG formats. Browsers with no SVG support fallback to PNG automatically.

Interleaved 2 of 5	 0123456789
Codabar	 0123456789
Code39	 0123456789
Code128	 0123456789
EAN-8	 20123451

LinkedIn





Overlay

Menu

Charts

Messages

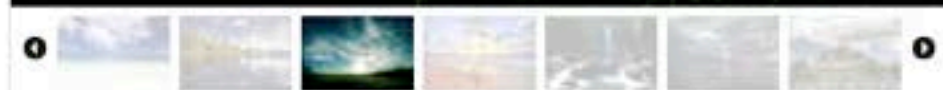
Multimedia

- Barcode
- Compare
- ContentFlow
- Cropper
- Galleria
- GraphicImage
- Media
- PhotoCam
- Switch

File

DragDrop

Client Side Validation



galleria.xhtml

ImageView.java

Documentation

```
1 <p:galleria value="#{imageView.images}" var="image" panelWidth="500" panelHeight="313" showCapti
2   <p:graphicImage name="demo/images/nature/#{image}" alt="Image Description for #{image}" title
3 </p:galleria>
```

PrimeFaces ShowCase

www.primefaces.org/showcase/ui/multimedia/galleria.xhtml

galleria.xhtml

ImageView.java

Documentation

Overlay

Menu

Charts

Messages

Multimedia

- Barcode
- ContentFlow
- Galleria
- Media
- Switch
- Compare
- Cropper
- GraphicImage
- PhotoCam

File

DragDrop

Client Side Validation

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

```
package org.primefaces.showcase.view.multimedia;

import java.util.ArrayList;
import java.util.List;
import javax.annotation.PostConstruct;
import javax.faces.bean.ManagedBean;

@ManagedBean
public class ImageView {

    private List<String> images;

    @PostConstruct
    public void init() {
        images = new ArrayList<String>();
        for (int i = 1; i <= 12; i++) {
            images.add("nature" + i + ".jpg");
        }
    }

    public List<String> getImages() {
        return images;
    }
}
```

Running PrimeFaces-6.0.6 on Mojarra-2.2.8