



TILES INTEGRATION

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OBJECTIVES

- Tổ chức layout cho ứng dụng web với Tiles



AGENDA

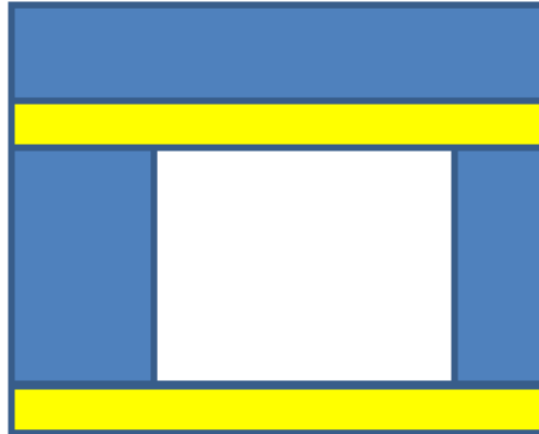
- Giới thiệu Tiles
- Cấu hình thư viện phụ thuộc
- Xây dựng tiles.xml
- Sử dụng wild card





LAYOUT INTRODUCTION

Layout
Views





THƯ VIỆN CẦN THIẾT

```
<dependency>
  <groupId>org.apache.tiles</groupId>
  <artifactId>tiles-api</artifactId>
  <version>3.0.8</version>
</dependency>
<dependency>
  <groupId>org.apache.tiles</groupId>
  <artifactId>tiles-core</artifactId>
  <version>3.0.8</version>
</dependency>
<dependency>
  <groupId>org.apache.tiles</groupId>
  <artifactId>tiles-servlet</artifactId>
  <version>3.0.8</version>
</dependency>
<dependency>
  <groupId>org.apache.tiles</groupId>
  <artifactId>tiles-jsp</artifactId>
  <version>3.0.8</version>
</dependency>
<dependency>
  <groupId>org.apache.tiles</groupId>
  <artifactId>tiles-request-api</artifactId>
  <version>1.0.6</version>
</dependency>
```



TILES CONFIGURATION

```
@Bean("viewResolver")
public ViewResolver getViewResolver() {
    UrlBasedViewResolver viewResolver = new UrlBasedViewResolver();
    viewResolver.setViewClass(TilesView.class);
    return viewResolver;
}
```

```
@Bean("tilesConfigurer")
public TilesConfigurer getTilesConfigurer() {
    TilesConfigurer tilesConfigurer = new TilesConfigurer();
    tilesConfigurer.setDefinitions("/WEB-INF/tiles.xml");
    return tilesConfigurer;
}
```



SIMPLE TEMPLATE

<header>

<menu>

<body>

<footer>



LAYOUT TEMPLATE

```
<%@ page pageEncoding="utf-8"%>
```

```
<%@ taglib uri="http://tiles.apache.org/tags-tiles" prefix="tiles" %>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <tiles:insertAttribute name="head" />
```

```
</head>
```

```
<body>
```

```
    <tiles:insertAttribute name="header" />
```

```
    <tiles:insertAttribute name="menu" />
```

```
    <tiles:insertAttribute name="body" />
```

```
    <tiles:insertAttribute name="footer" />
```

```
</body>
```

```
</html>
```




SIMPLE LAYOUT

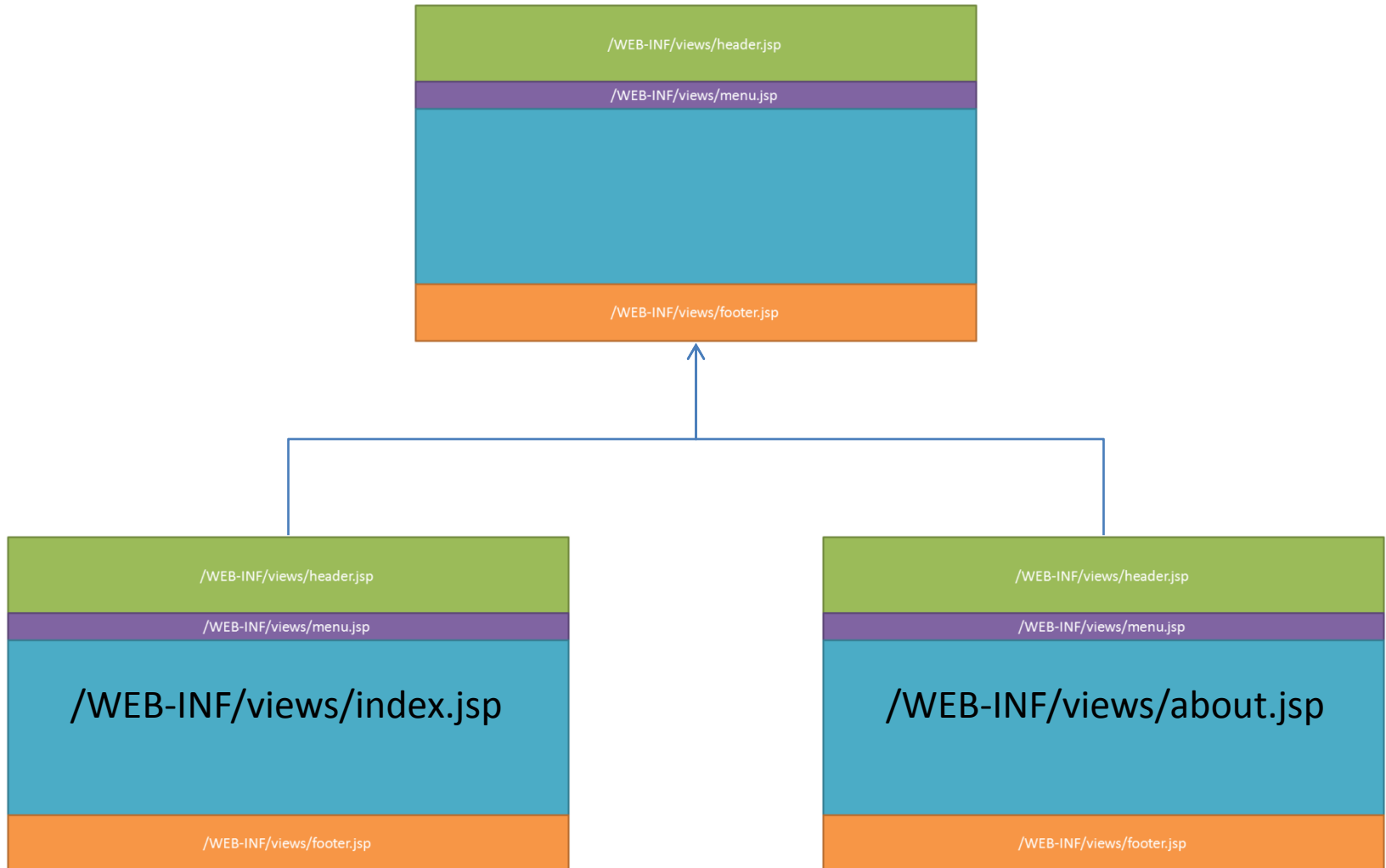
/WEB-INF/views/header.jsp

/WEB-INF/views/menu.jsp

/WEB-INF/views/footer.jsp



TEMPLATE INHERITENCE





LAYOUT DEFINITION

<!-- Layout Define -->

```
<definition name="base.definition" template="/WEB-INF/views/layout.jsp">  
  <put-attribute name="head" value="/WEB-INF/views/layout/head.jsp" />  
  <put-attribute name="header" value="/WEB-INF/views/layout/header.jsp" />  
  <put-attribute name="menu" value="/WEB-INF/views/layout/menu.jsp" />  
  <put-attribute name="body" value="" />  
  <put-attribute name="footer" value="/WEB-INF/views/layout/footer.jsp" />  
</definition>
```

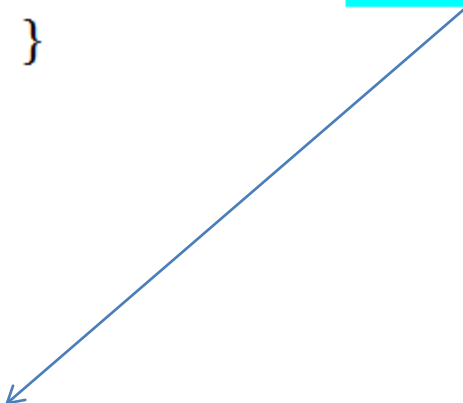
<!-- View Define -->

```
<definition name="home/index" extends="base.definition">  
  <put-attribute name="body" value="/WEB-INF/views/home/index.jsp" />  
</definition>
```



SELECTING TEMPLATE

```
@Controller
@RequestMapping("home")
public class HomeController {
    @RequestMapping("index")
    public String index() {
        return "home/index";
    }
}
```



```
<definition name="home/index" extends="base.definition">
    <put-attribute name="body" value="/WEB-INF/views/home/index.jsp" />
</definition>
```



SELECTING TEMPLATE WITH WILD CARD

```
<definition name="home/*" extends="base.definition">  
    <put-attribute name="body" value="/WEB-INF/views/home/{1}.jsp" />  
</definition>
```

```
<definition name="*/*" extends="base.definition">  
    <put-attribute name="body" value="/WEB-INF/views/{1}/{2}.jsp" />  
</definition>
```

```
<definition name="admin/*/*" extends="base.definition">  
    <put-attribute name="body" value="/WEB-INF/views/admin/{1}/{2}.jsp" />  
</definition>
```



SUMMARY

- Giới thiệu Tiles
- Cấu hình thư viện phụ thuộc
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