



2008 Java Certification Day

ZK - Java Ajax Web 程式快速開發框架
20分鐘實現美食地圖 2.0 (Live Demo)

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Agenda



1. What ZK Application Looks Like ?
- 2 . How ZK Works ?
- 3 . Let's Build an ZK Application – Food Map 2.0 !

1. What ZK Applications Looks Like?

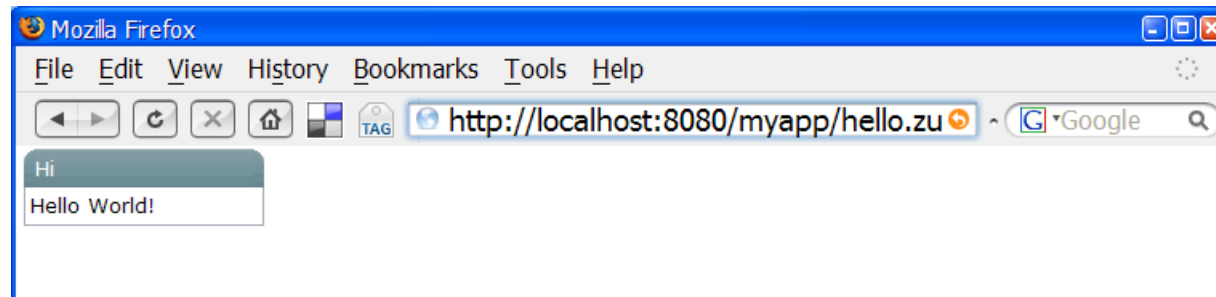
- Say Hello to ZK
- Say Hello on Demand
- ZK Live Demo (Try me!)

Say Hello in ZK

- Creates a file, say, hello.zul under your Web application, e.g., webapps/myapp

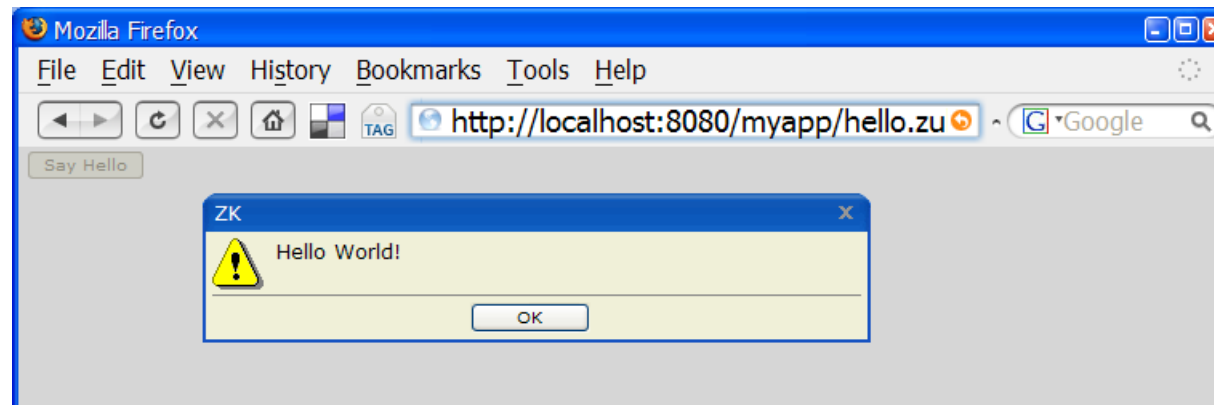
```
<window title="Hi" border="normal" width="150px">  
  Hello world!  
</window>
```

- Browse to <http://localhost:8080/myapp/hello.zul>



Say Hello on Demand

```
<button label="Say Hello"  
        onClick='alert("Hello world!")' />
```



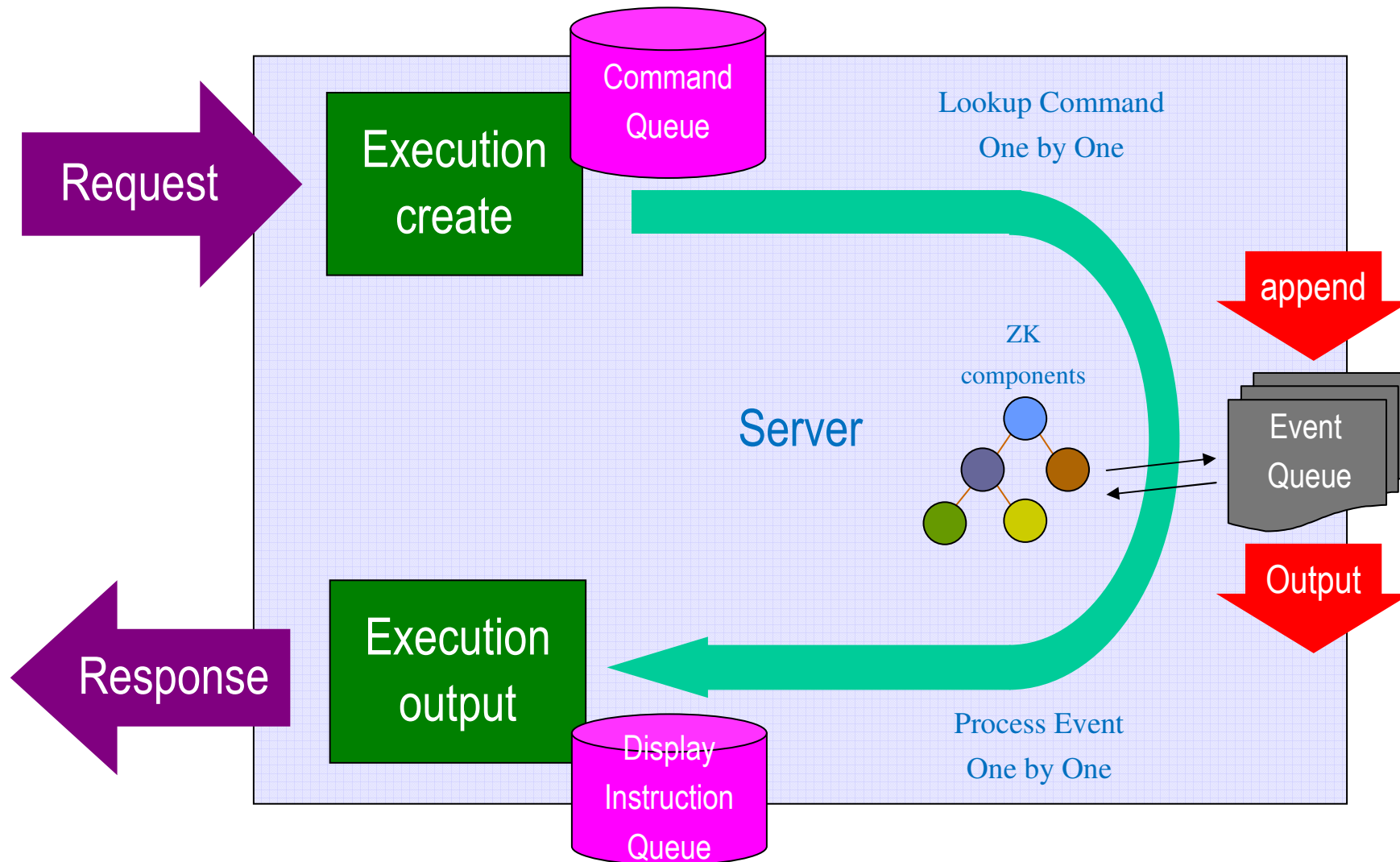
ZK Live Demo (Try me!)

<http://www.zkoss.org/zkdemo/userguide/>

2. How ZK Works ?

- ZK Execution Flow
- Server Centric vs. Client Centric

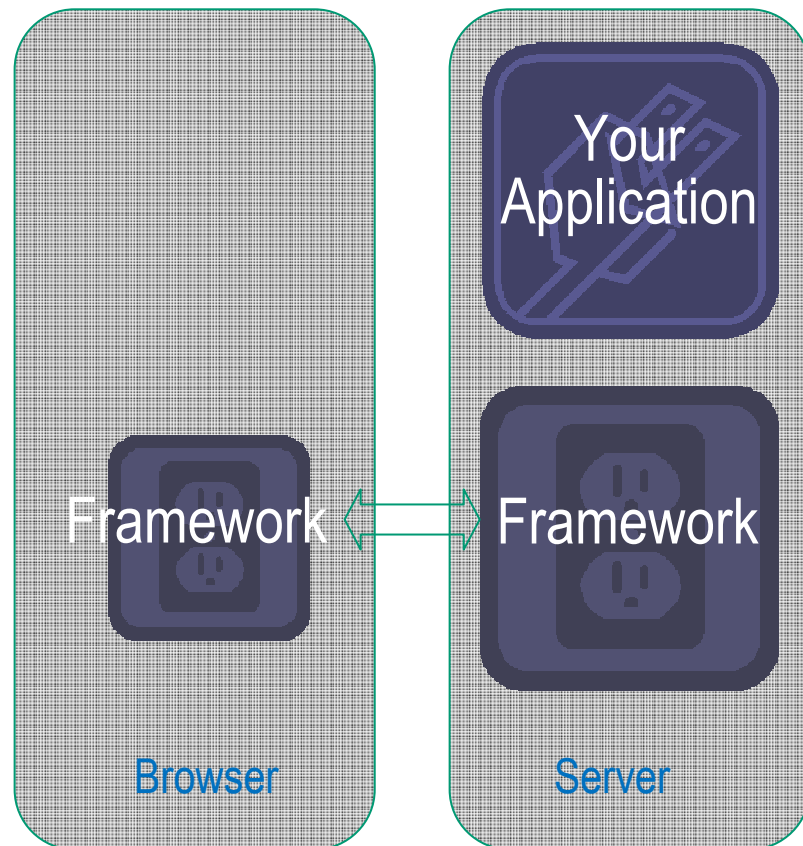
ZK Execution Flow



Server Centric vs. Client Centric

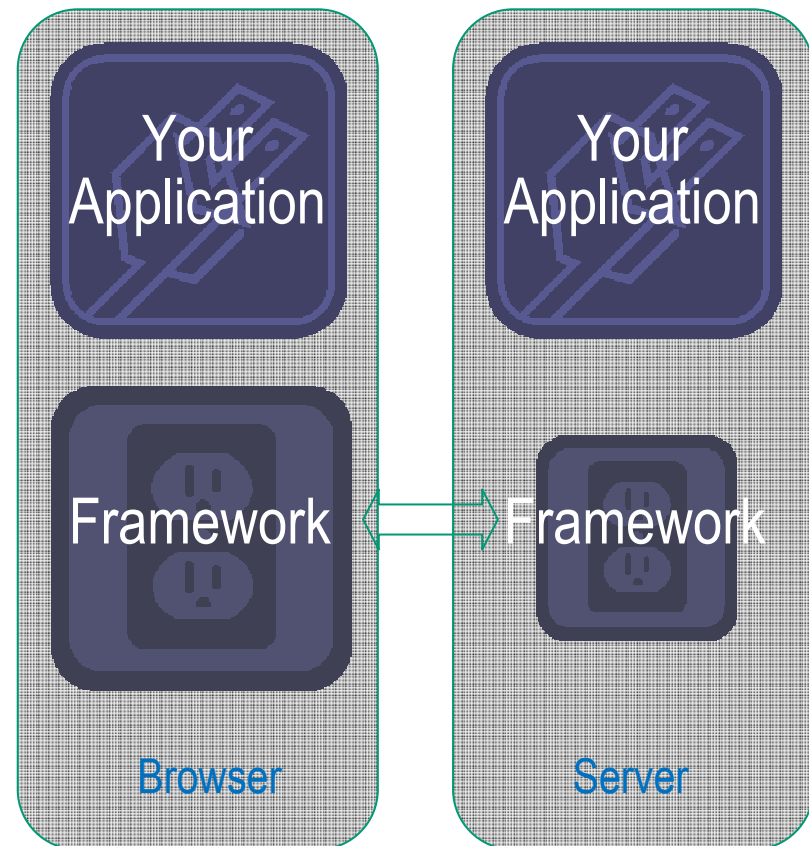
Server-Centric

ZK



Client-Centric

Others



3. Let's Build an ZK Application

- The Food Map 2.0 Live Demo
- ZK Google Maps Component
- ZK Border Layout Component
- ZK Grid Layout Component
- ZK Databinding Mechanism
- Build the application

The Food Map 2.0 Live Demo

[**http://localhost:8080/foodmap/**](http://localhost:8080/foodmap/)

ZK Google Maps Component

- The major component of this application.
- One line to show the map.
- Drag & drop, zoom, move, click, marker, polyline, polygon.

```
<gmaps width="500px" height="300px"/>
```

ZK Border Layout Component

- The layout component.
- Split different function blocks
- Sizing, collapse, border, etc..

```
<borderlayout height="500px">  
  <north size="10%"></north>  
  <west size="25%"></west>  
  <center ></center>  
  <east size="25%"></east>  
  <south size="10%"></south>  
</borderlayout>
```

ZK Grid Layout Component

- The layout component.
- Table like with fixed headers

```
<grid>
  <columns>
    <column label="column1" width="40px"/>
    <column label="column2"/>
  </columns>
  <rows>
    <row>name: <label value="Papa Giovanni!"/></row>
    <row>description: <label value="5 Stars"/></row>
  </rows>
</grid>
```

ZK Databinding Mechanism

- Dynamically associate UI and backend data
- EL: fetch java bean value `${a.value}`
- zscript: interpreted Java code `<zscript>...</zscript>`
- Annotated data binding: intuitive association `@{a.value}`

Build the Application

Q & A

www.zkoss.org



Thanks

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