# EXPLORING JSF 2.0 AND PRIMEFACES Hasan TURKSOY\* \*Based on PrimeFaces documentation

### Topics JSF Overview What's New in JSF 2.0? Go beyond with PrimeFaces

### JSF Overview

- Standard for Java EE
- Component Oriented
- Event Driven
- RenderKits (web, mobile ...)

### History

- Roots go back to 2001
- JSR-127 JSF 1.0, 2004
- JSR-127 JSF 1.1, 2004
- JSR- 252 JSF 1.2, 2006
- JSR-314 JSF 2.0, 2009

### JSF Ecosystem

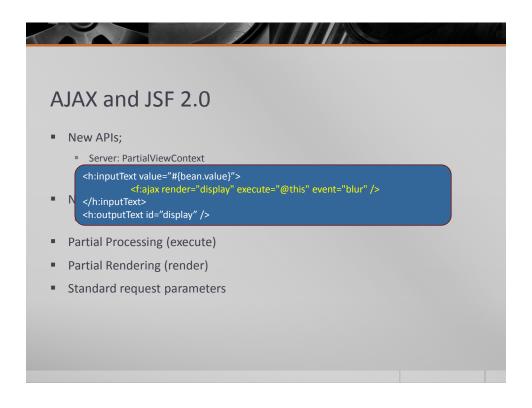
- Apache Software Foundation (MyFaces, Trinidad, Tobago, Tomahawk, ExtVal...)
- Oracle (ADF Faces Mojarra Implementation)
- IBM (IBM JSF Component)
- Prime Technology (PrimeFaces)
- VMware/SpringSource (Spring WebFlow)
- RedHat/JBoss (Seam, RichFaces)
- JAVA EE 6 (CDI, Bean Validation)
- Other \*Faces libs

### JSF 2.0 Highlights

- Facelets/VDL
- AJAX
- Custom Components
- Behaviors
- Partial State

- Navigations
- Resource Loading
- Bookmarking
- New Event API
- Exception Handling
- JSR-303 Bean Validation

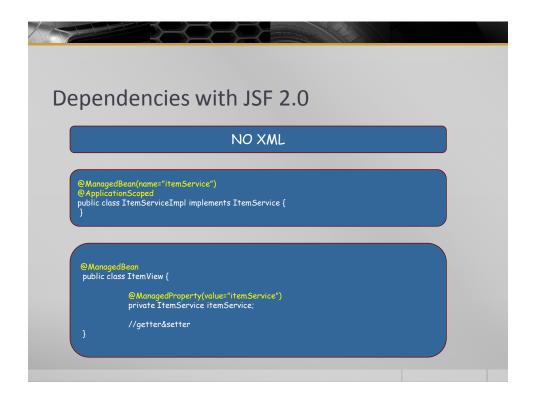
### Facelets / VDL XHTML based Optimized for JSF Templating New View Declaration Language API



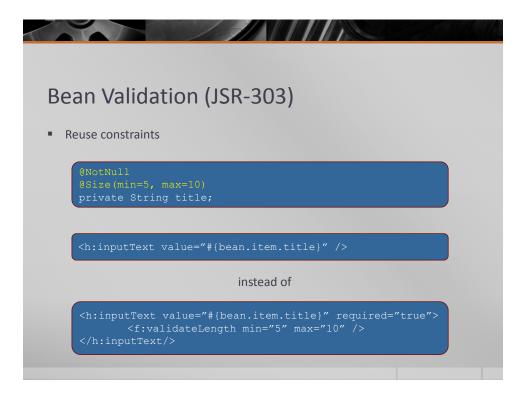
```
The pendencies with JSF 1.x

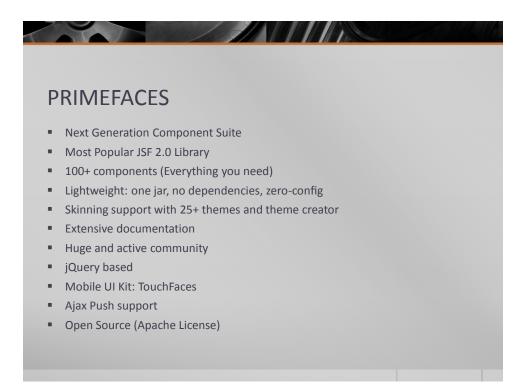
(managed-bean-
(managed-bean-name>itemView</managed-bean-class>
(managed-bean-scope>request</managed-bean-scope>
(managed-property)
(property-name>itemService</property-name>
(managed-bean-
(managed-bean-mame>itemService</property-name>
(managed-bean-
(managed-bean-mame>itemService</managed-bean-name>
(managed-bean-
(managed-bean-class>com.prime.service.ItemServiceImpl</managed-bean-class>
(managed-bean-scope>application</managed-bean-scope>
(/managed-bean-scope>application</managed-bean-scope>
(/managed-bean-scope)
(/managed-bean-scope)

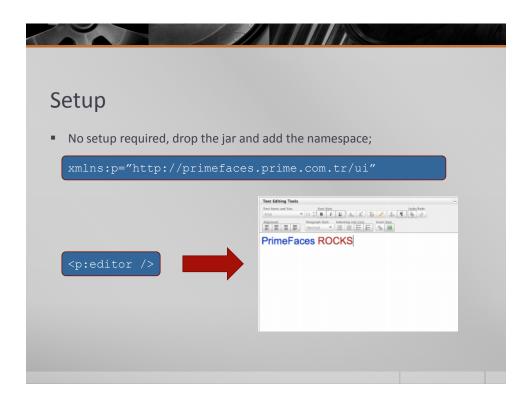
package com.prime.view;
public class ItemView {
    private ItemService itemService;
    //getter&setter
}
```

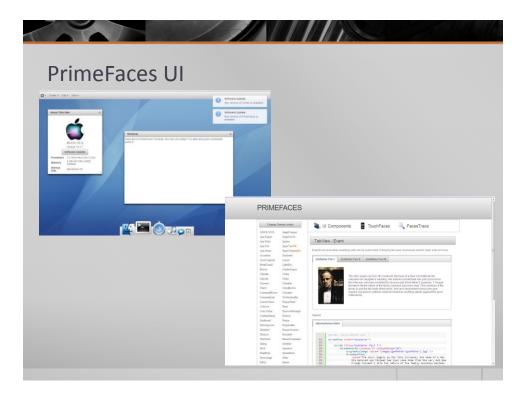


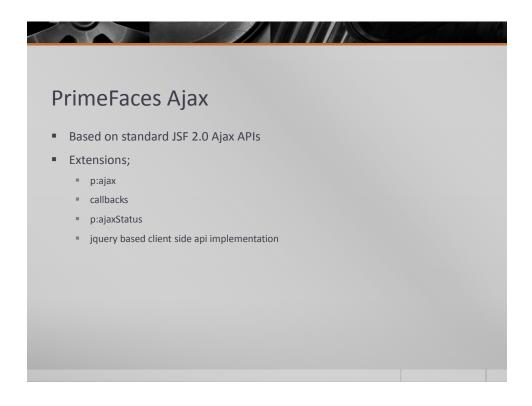
## Scopes - @RequestScoped - @ViewScoped - @SessionScoped - @CustomScoped - Flash scope

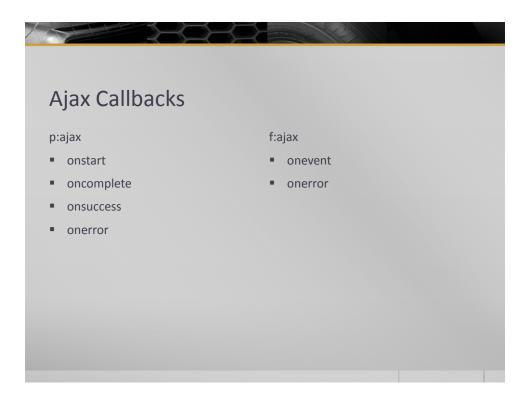


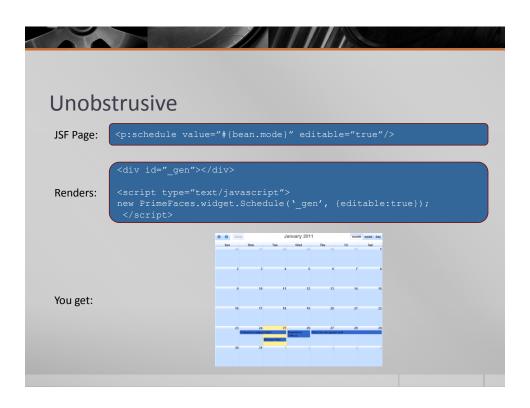


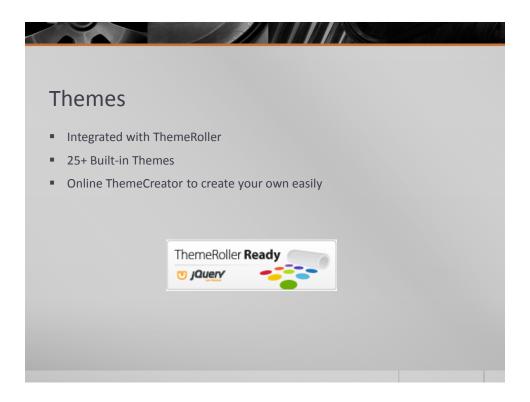


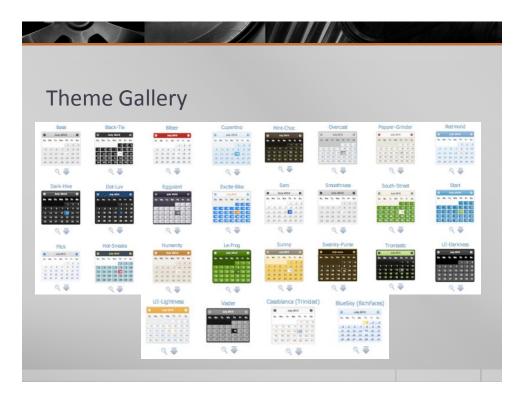


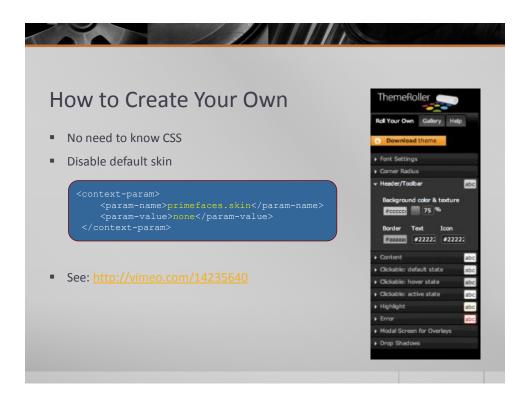




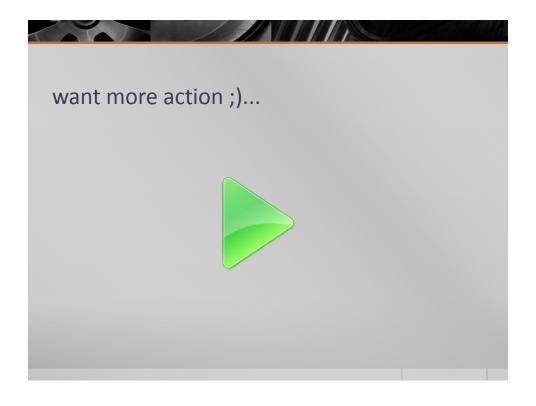


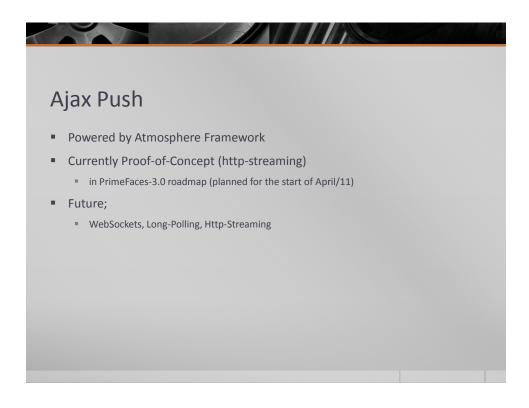


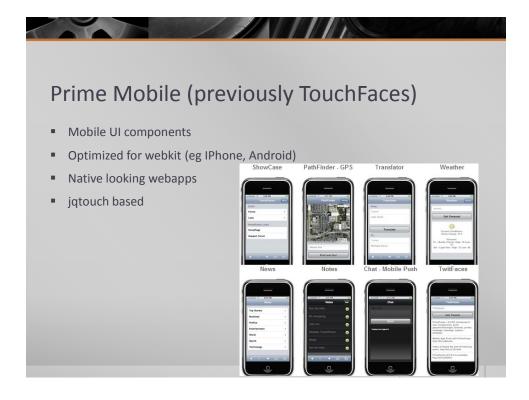


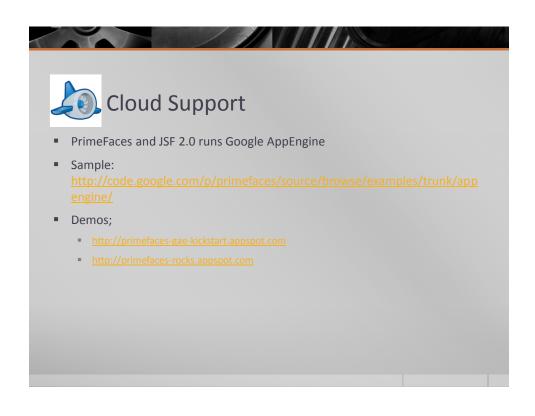


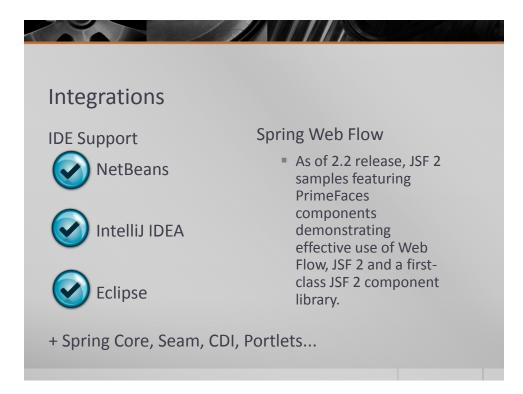


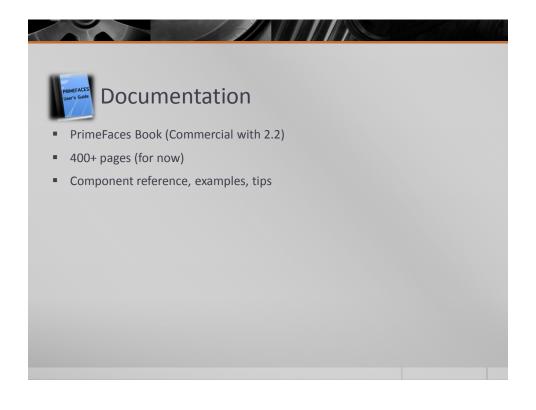


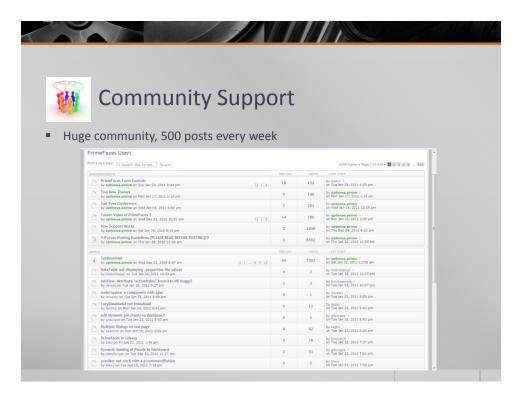












### PrimeFaces RoadMap Maintenance of current codebase from performance PoV Rewritten Ajax Push via Atmosphere Prime Mobile enhancements Client Side Validation New Components (e.g. TimeLine) Enhanced Components (e.g. Tree, TreeTable, PickList) Portlet samples (e.g. Liferay)

## Final Reach to PrimeFaces http://www.primefaces.org cagatay.civici@prime.com.tr Reach to presenter hturksoy@gmail.com