

# Work-In-Progress Presentation

## Evaluation of Future JEE Technologies

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# Outline

- 1 Project Background
- 2 Work so far
- 3 Upcoming Work



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# Project Background

## Points to Consider

- Standardisation & Frameworks
- Saving Resources

## The Frameworks

- 1 Web Application Framework (WAF):  
⇒ *Apache Struts Shale*
- 2 Persistence Framework:  
⇒ *EJB 3.0 (Enterprise Java Beans)*



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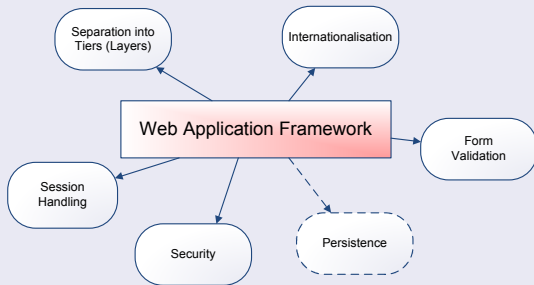
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# Solution

## Web Application Framework (WAF)



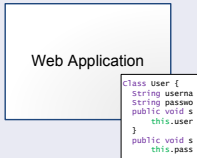
# Solution

## Persistence Framework



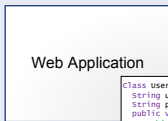
# Solution

## Persistence Framework



# Solution

## Persistence Framework



```
class user {  
    String userna  
    String passwo  
    public void s  
        this.user  
    }  
    public void s  
        this.pass
```

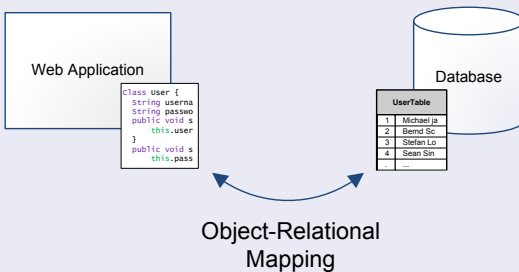


UserTable	
1	Michael ja
2	Bernd Sc
3	Stefan Lo
4	Sean Sin
..	...



# Solution

## Persistence Framework



# Solution

## Deployment with Maven 2.0 and XDoclet 2.0

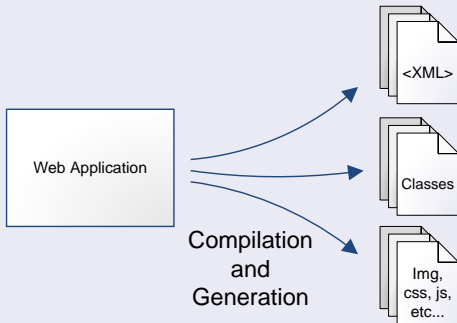
Web Application





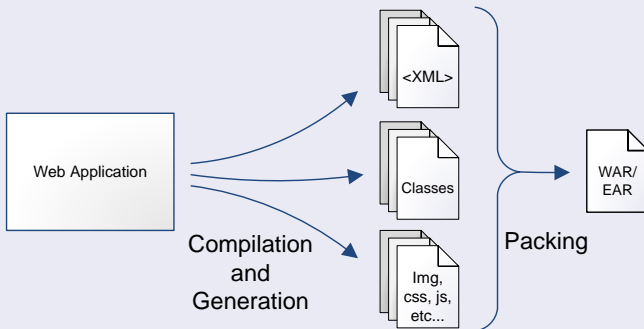
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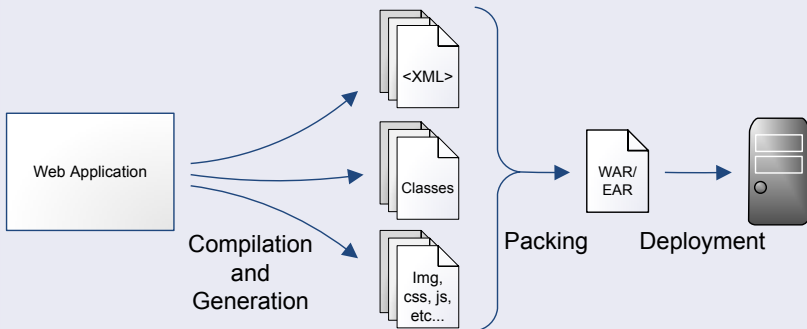
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## Deployment with Maven 2.0 and XDoclet 2.0



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## Deployment with Maven 2.0 and XDoclet 2.0



# Work so far

## Development Environment

- Development Environment (Programs and Tools)
- Application Server JBoss
- Deployment Tools

## Prototype Applications

- Implementation of a Dummy Application
- Deployment of the Application
  - 1 using Ant
  - 2 using Maven and XDoclet



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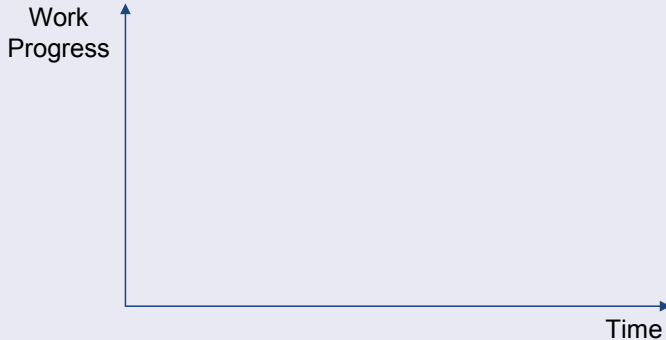
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# Work so far

## Work Progress



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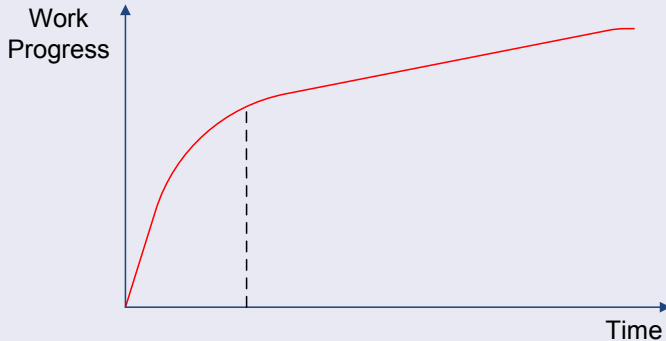
## Work Progress





# Work so far

## Work Progress



# Upcoming Work

## Web Application Framework Shale

- 1 Validation
  - 1 Server side
  - 2 Client side
- 2 Tool Support
- 3 Testability
- 4 Internalisation (i18n)
- 5 Duplicate Post Problem
- 6 Bookmarkable URLs
- 7 Development Speed
- 8 Performance, Complexity, Scalability

# Upcoming Work

## Enterprise Java Beans

- 1 Working with annotations
- 2 Entity Beans, Session-/Stateless Beans, CMP
- 3 Performance, Complexity

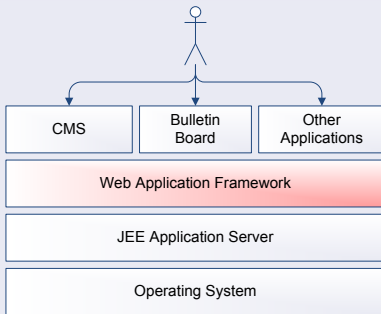


# Thank you!



# Appendix

## Web Application Framework (WAF)



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