

# THE STACK

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# Challenges – The Problem

- Technology evaluations on every project
- Every application used different technologies
  - ▣ People used what they knew/liked
  - ▣ Maintenance Nightmare
- No economies of scale
  - ▣ No experts
  - ▣ No reuse
  - ▣ No common services

# Challenges – The Selection

- We need a set of technologies that...
  - Support enterprise development
  - Enable quick delivery
    - On large applications
    - On small applications
  - Are maintainable and scalable
  - Have industry and tool support

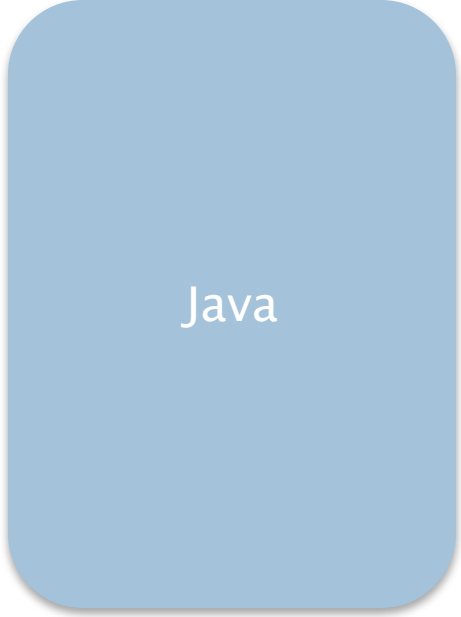


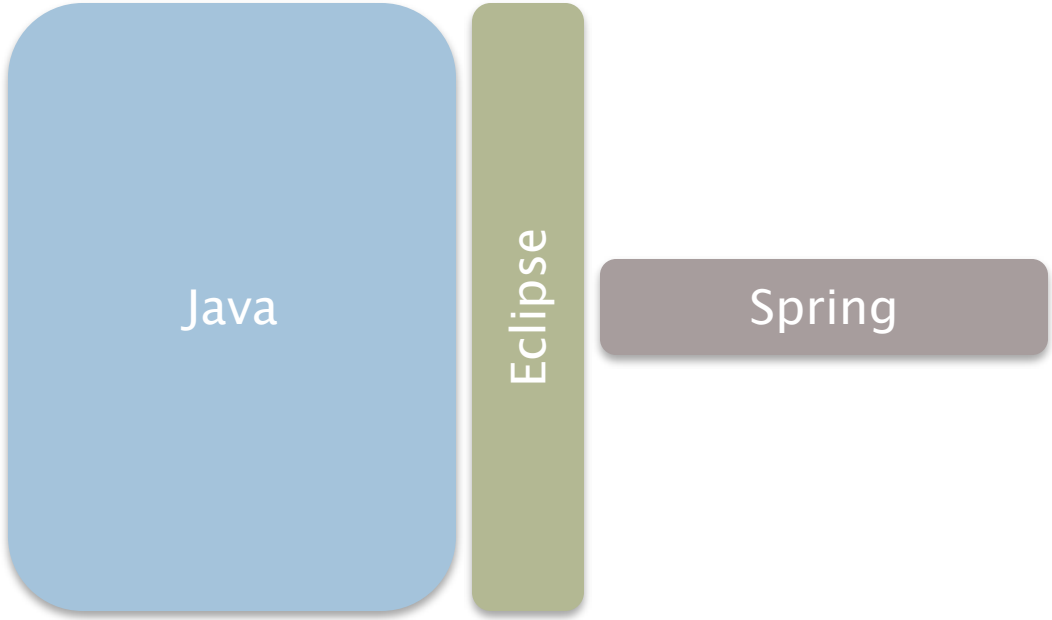


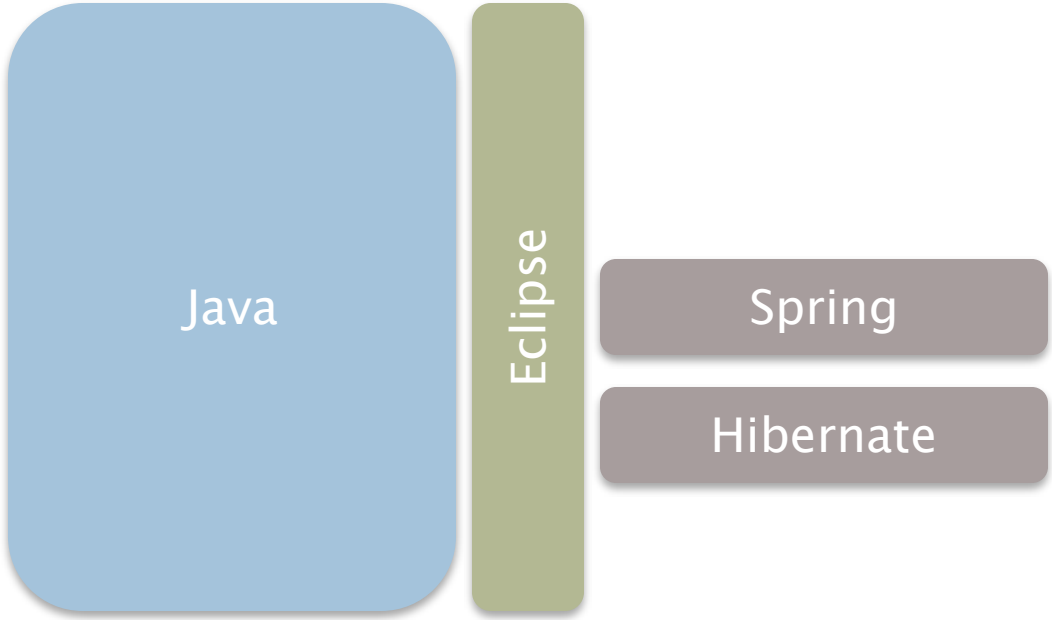
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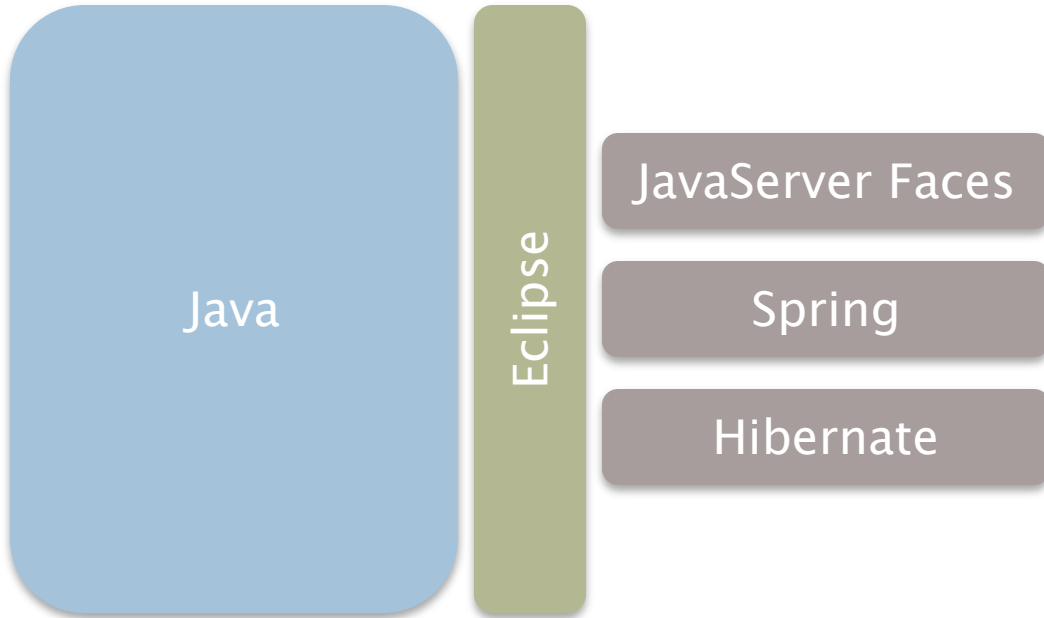


Java









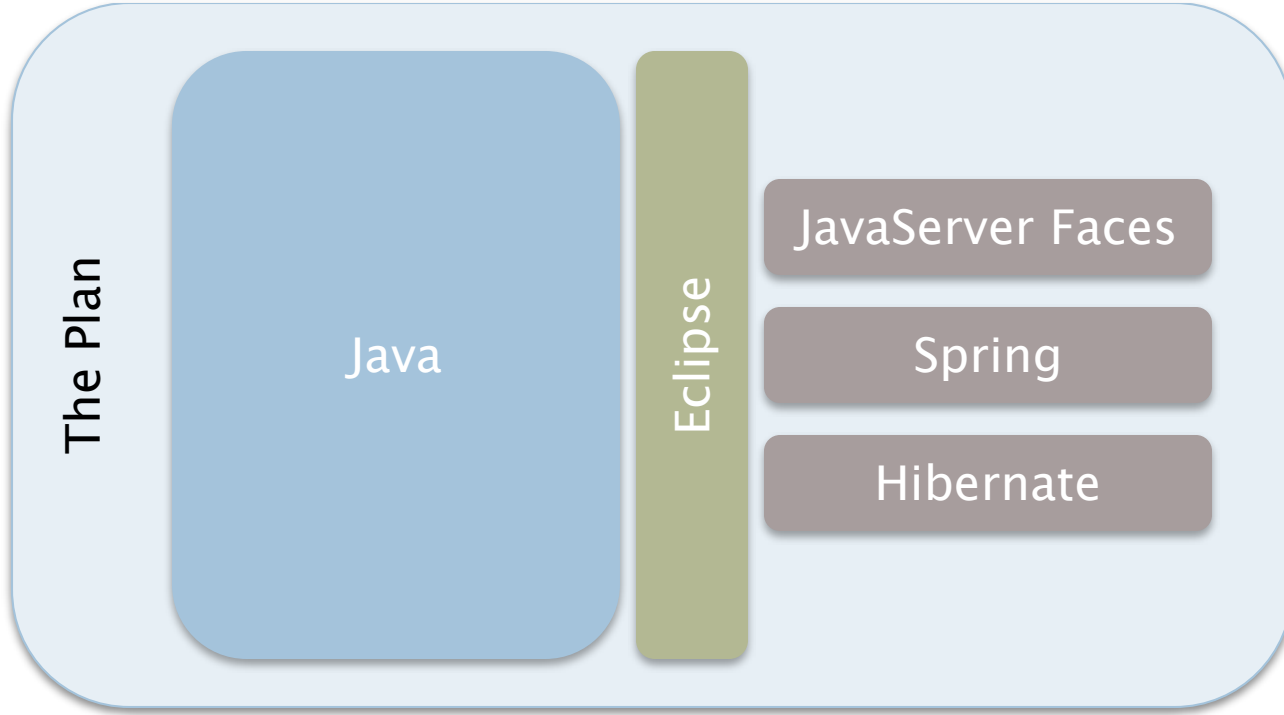
Java

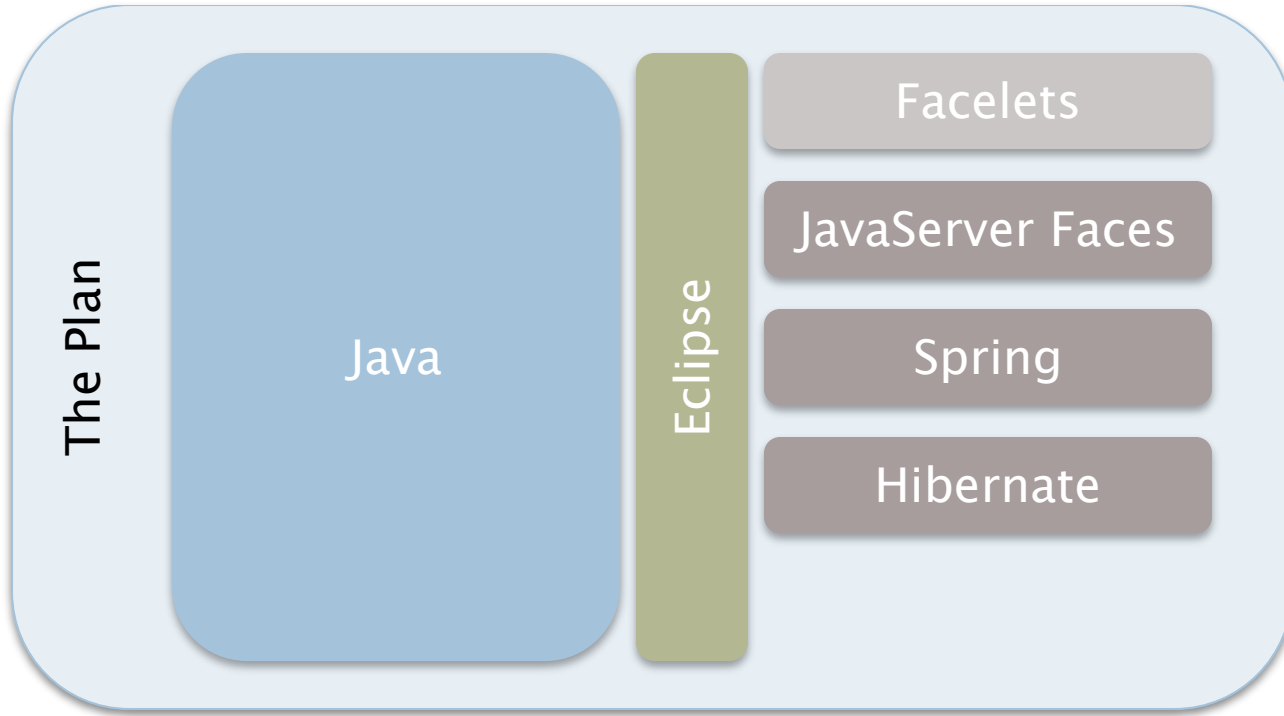
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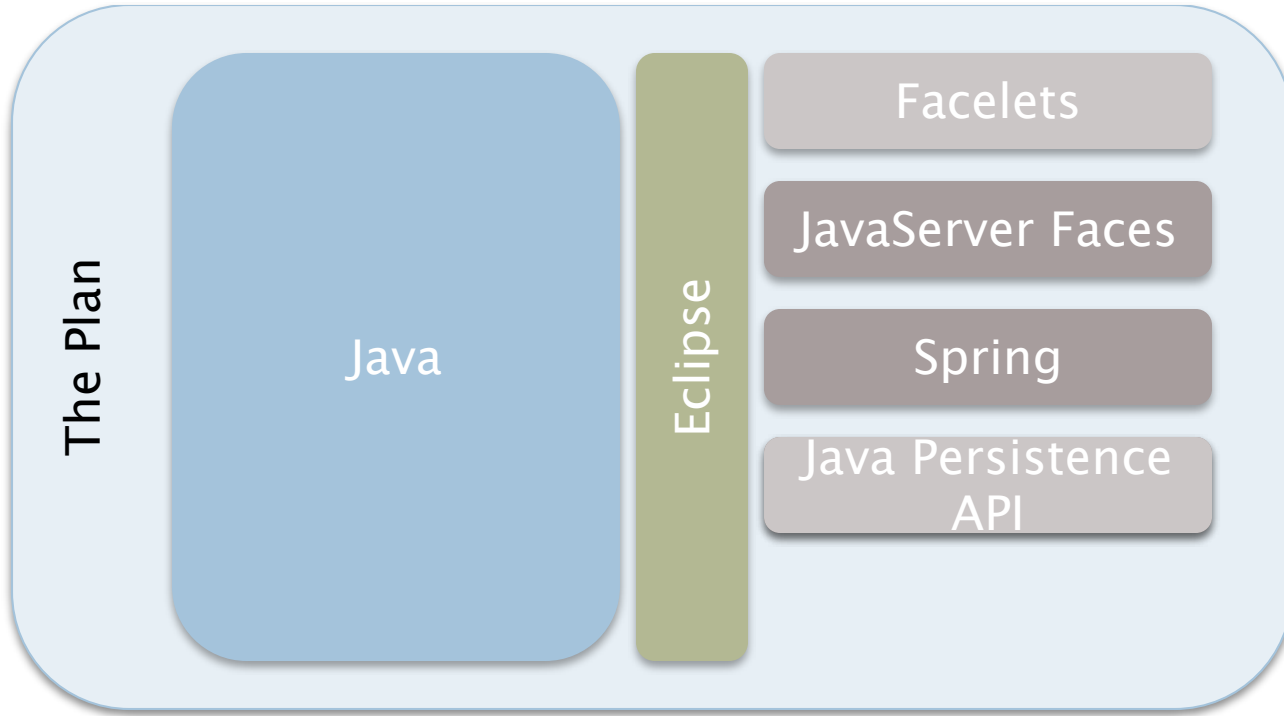
JavaServer Faces

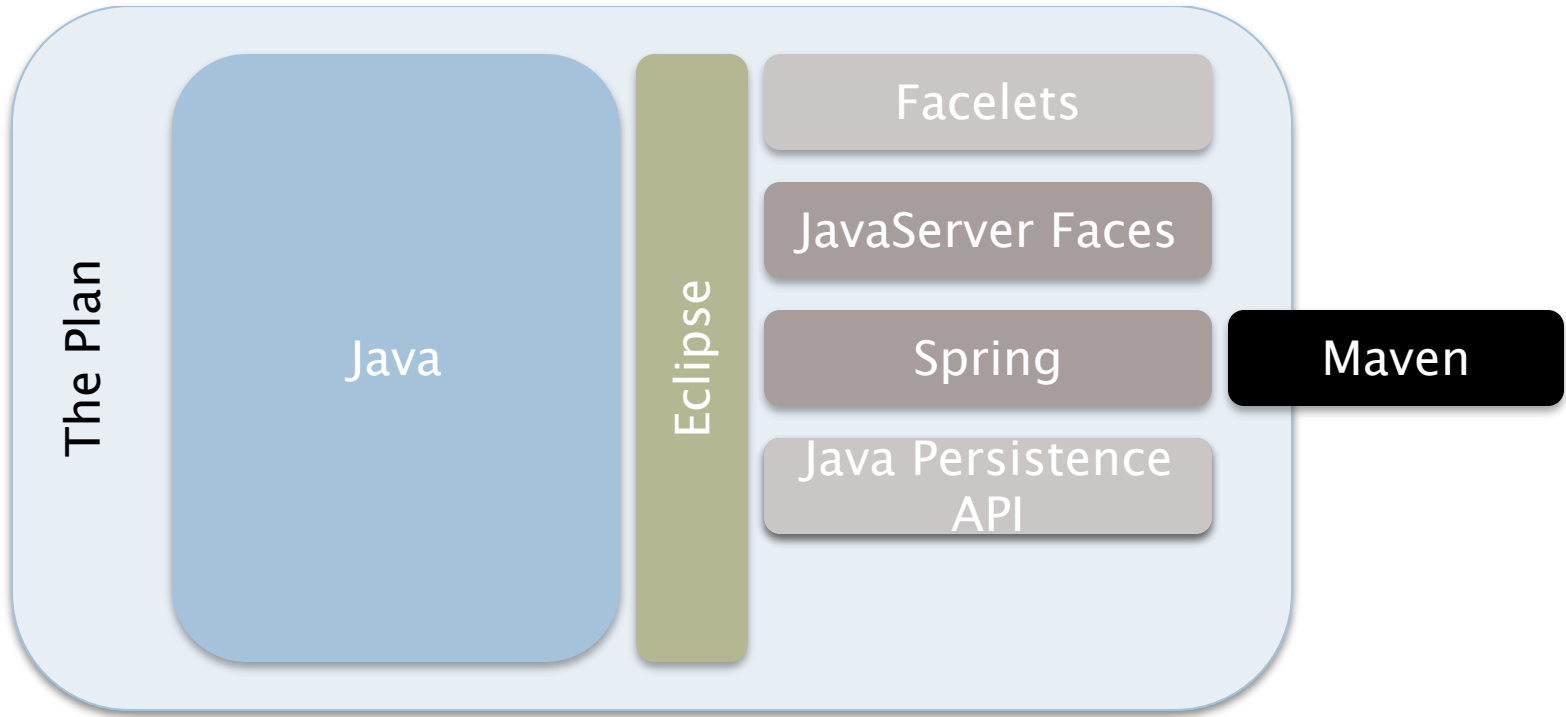
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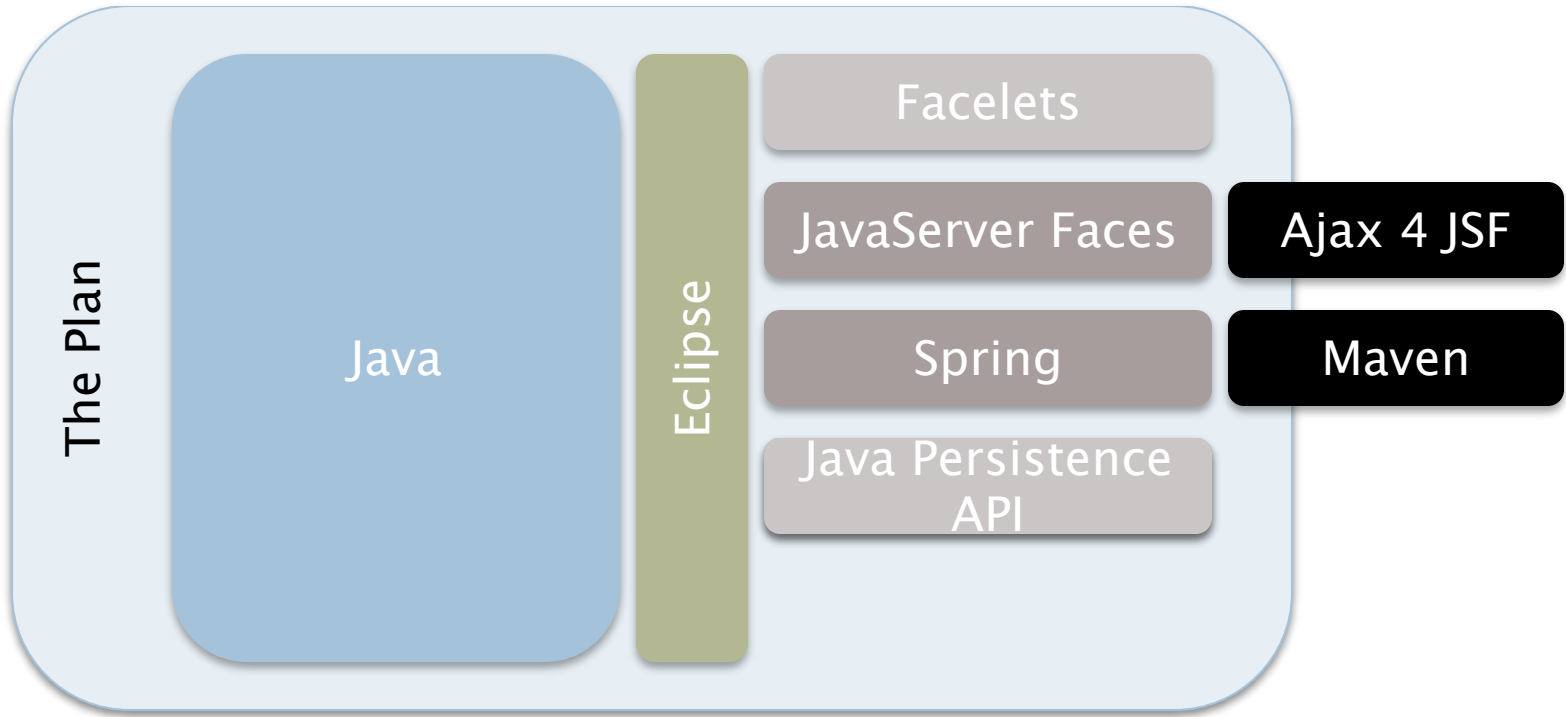
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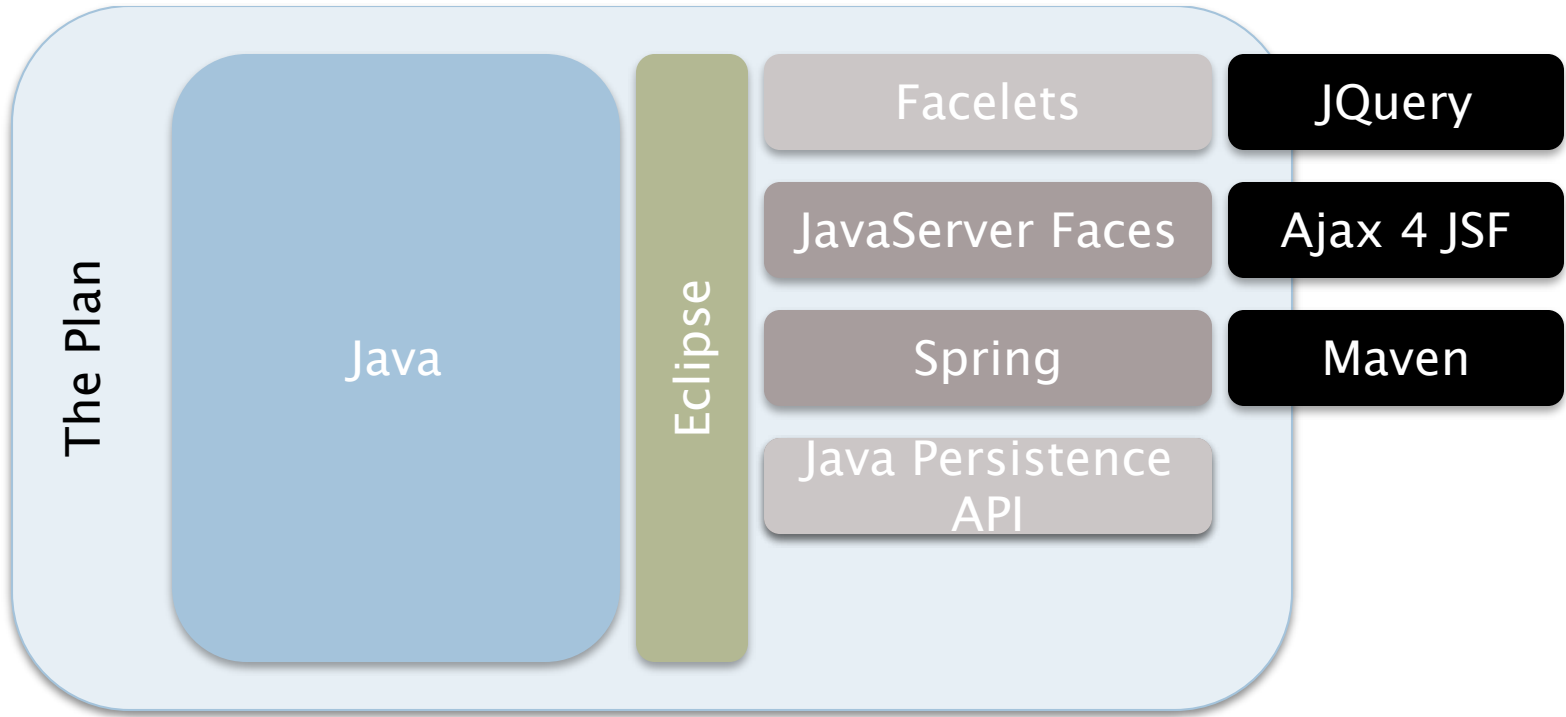


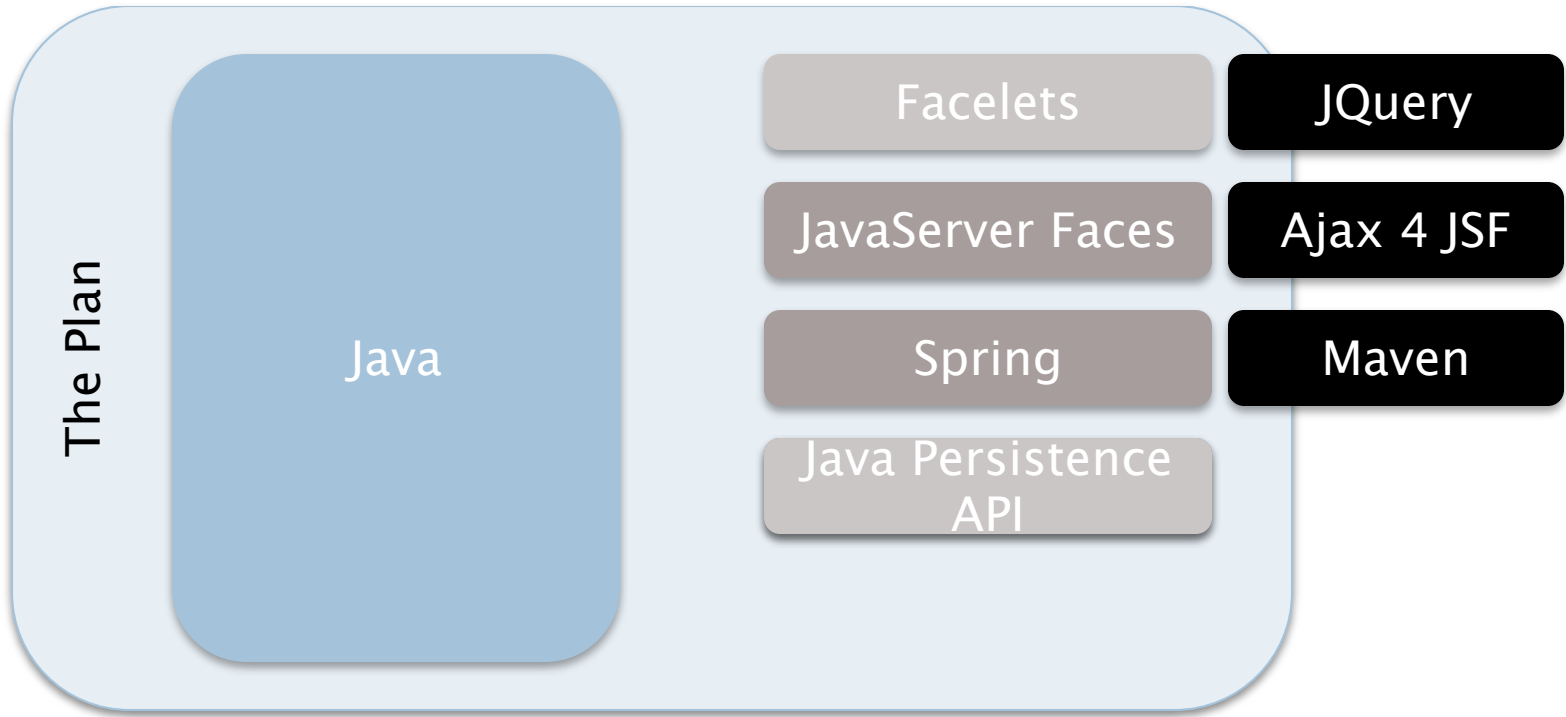


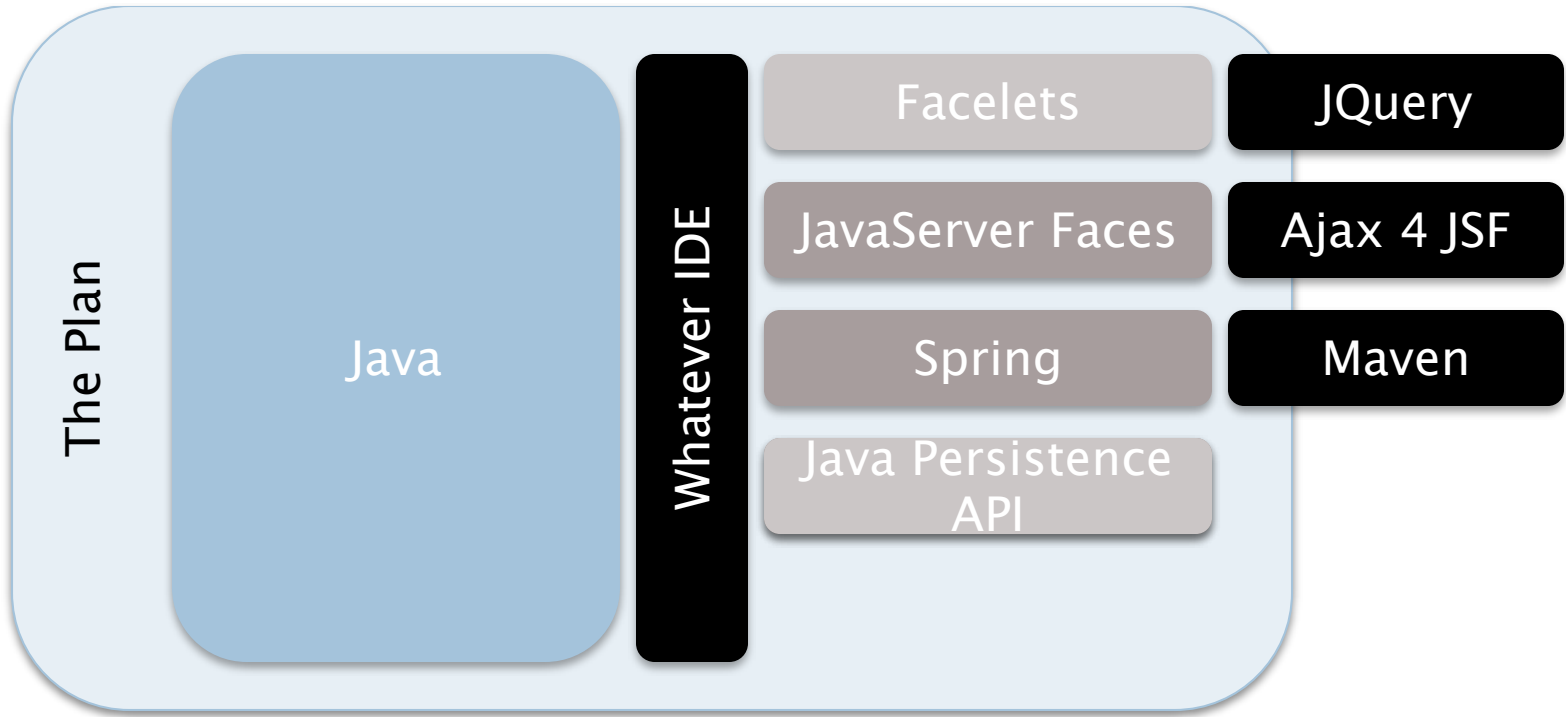












# Worked

- The core technologies worked well together
  - ▣ Spring is very flexible
  - ▣ Hibernate objects in Backing Beans?
- Helped recruiting
- Maven
  - ▣ In a big way
  - ▣ After much pain

# Worked (cont.)

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- Economies of scale\*
  - Experts
  - Stack team
  - Maintenance
- Interaction with other teams
  - Interaction Design
  - Infrastructure

# Didn't Work

- Learning Curve
  - New hires always need training
  - Stack veteran on every new project
  - Stack team always on loan
- Custom Eclipse Plugins never happened
- JavaServer Faces Components\* just happened

# Still evolving



- LDS Stack version 2.1 RC3 released
  - Database versioning
  - Custom JSF Components
  - Coverage statistics on Selenium tests
  - Lots more.