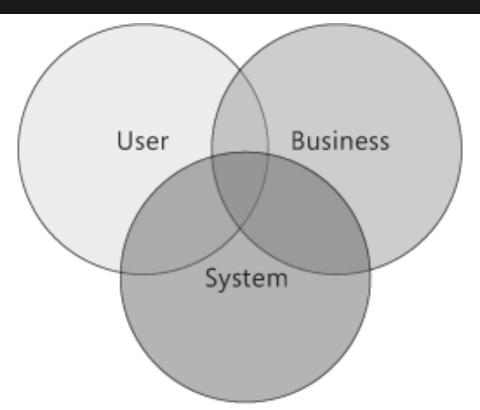
NSS

Architectures

Software Architecture

"Software architecture encompasses the set of significant decisions about the organization of a software system including the selection of the structural elements and their interfaces by which the system is composed; behavior as specified in collaboration among those elements; composition of these structural and behavioral elements into larger subsystems; and an architectural style that guides this organization. Software architecture also involves functionality, usability, resilience, performance, reuse, comprehensibility, economic and technology constraints, trade offs and aesthetic concerns." (Shaw and Garlan 1996)

Design Considerations

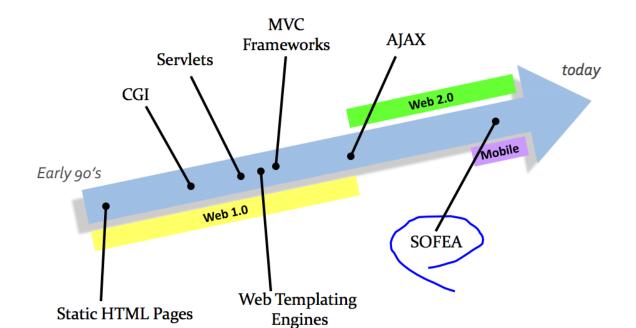


Architecture should address

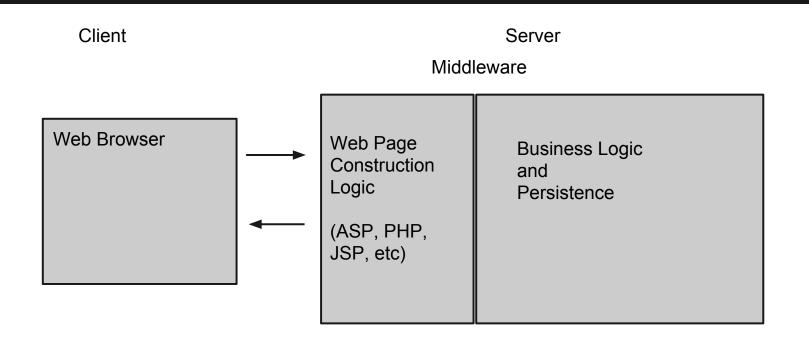
- Expose the structure of the system but hide the implementation details.
- Realize all of the use cases and scenarios.
- Try to address the requirements of various stakeholders.
- Handle both functional and quality requirements.

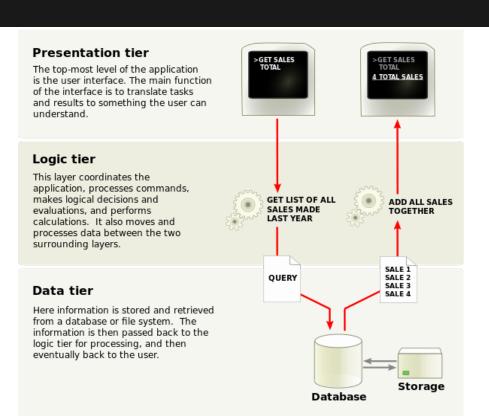
Web Application Architectures

Arc of Web App Architecture History *



Traditional Web Architecture

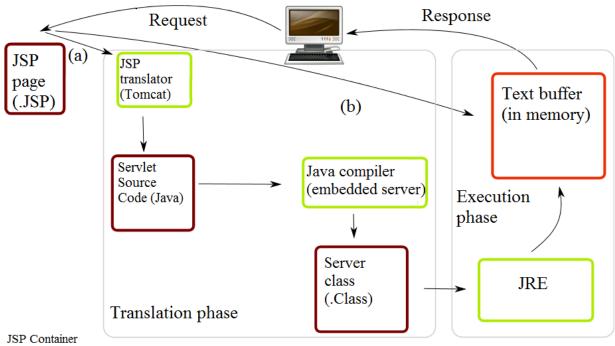




Common Gateway Interfaces

CGI is a method of obtaining data from or sending data to databases, document or other programs.

Servlets



- (a) Translation occurs at this point, if JSP has been changed or is new.
- (b) If not, translation is skipped.

Web Template Systems

Use combined component web site pieces to generate client specific applications.



