Architechtural Style : Client-Server

Alternatives Considered : Repository Style; Rejected because centralized control wasn't feasable.

Problem: Service should be accessible through mobile/web application over the world wide web and interaction with the DBMS servers shouldn't be through the client directly

Context: Languages with HTTPS requests capabilities

Solution:

system model: modules in a hierarchy, may be weak or strong,

coupling/cohesion arguments

components: Clients, main, DBMS and service-providing servers

connectors: Remote procedure calls in the form of HTTPS over the internet between clients and main servers; high speed buses between main, DBMS and service-providing servers; Clients interact only with main servers

control structure: multi-threaded, centralized control: each client-server connection will have a thread of its own.

Network of Servers

Network of DBMS servers