SE 325 A1 Report

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Report. You should write a report, not exceeding one page, that describes the extent to which your solution meets the system's scalability requirement. You should highlight aspects of your Web service's design that contribute towards meeting this quality attribute.

* Rest is loosely coupled
* HTTP
* HTTP is used for all four CRUD operations.
* REST is not a standard in itself, but an architectural style that uses standards like HTTP and XML.
* This promotes flexibility of my design as support for future standards such as JSON can be easily added.
* REST
* REST defines the WEB as a distributed hypermedia application. There are implemented hyperlinks within hypertext. This enables scalability for
* But newsitem part is stateful
* 3 tier (client server databases) should be stateless
* Optimistic lock control
* Fetching lazy
* Domain model:
* Fine grained locking
* E.g. concert and performers do not store booking or reservation
* coarse-grained concurrency control schemes
* concert contains seats can lock concert
* Eager /Lazy fetching
* Java Executor:
* Executors.newSingleThreadExecutor( );
* A service may have operations that are computationally intensiveExecuting too many such requests concurrently may starve clients making simple fast requests