Java Case studies

Risk Management System

Suggested Technology stack:

    Java/J2EE
    Oracle/MS-SQL
    Web services

Use Case: Companies usually apply for credit with organizations like banks or other companies in day to day life. The companies which lend credit have to cautiously assess risk associated with the credit. Multiple factors like company's financial condition, Past payment history, suits and liens, geographical factors etc need to be considered while lending credit.

You are building a web application which will be used by multiple users like financial analysts who would like to evaluate an application, end users who want to apply for credit. The system should have capability to

- Submit an application (end user will do this)
- Run automated policies to decide whether to approve the credit or reject it(You have come up with a set of policies which get triggered on every submitted application to decide whether to approve or decline.
- Sent a notification to end user of approval or rejection.

- Expectation and deliverables:
- 1. 4+1 view diagram (It should include the database structure as well as object interactions)
- 2. N-Tier architecture diagram
- 3. Java Documentation
- 4. Unit test cases coverage report
- 5. Code Quality Report
- 6. Profiling Report
- 7. Application Demo covering all functionalities
- 8. Application codebase (Unit test cases code to be included)