SE554 – Enterprise Component Architecture Project

Simple Account

Sample project

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# Overview

Basic bank account functionality to support for customer, prospects and external system with focus on transaction and deployment packaging.

# Requirements

## Use Case



## Description of problem

Simple banking account functionality that require transaction handling.

# Design

## Sequence of major functionality

### Web UI (Common case)



### Web service to the session bean

No implementation (see calculator for sample web services)

### Message driven bean to the session bean



## Table layout



One table that contain account holder information and balance. Possible extensions include maintaining transaction history and different account type such as savings and checking.

## Deployment

Different components to illustrate how different classes can be grouped into components for reuse opportunity.



Queue: TransferQ

Data source: jdbc/sample

# Discussion of how your design met the requirements

This sample project did not meet the functional requirements but was created to validate the component interaction for different technology pieces.

This also serves as a reference document for other projects of basic expectation of the course project work

# Discussion of lessons learned

# Decision Log

|  |  |  |  |
| --- | --- | --- | --- |
| **Problem** | **What was decided** | **Alternatives considered** | **Rationale** |
| Which IDE to use | Netbean | Eclipse | Netbeans had all the components integrated in one UI |
| Which build to use | Maven | Netbean specific Ant | Want to allow users of Eclipse to view the project with limited issues |
| Application server to use | Glassfish | JBoss | Glassfish is integrated out of the box with Netbeans |
| Web only or complete  enterprise application | Complete enterprise application | Web only | Illustrate different component model |