

Systems Integration - Assignment #2

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1 Introduction

The intent of this assignment is to develop a web application to manage an online store of secondhand items, called MyBay and deploy it using WildFly Application Server. In order to develop this application, we build a Maven architecture and used **Java EE!** (**Java EE!**) and divided the system into three layers: presentation, business and data.

2 Presentation layer

This layer was developed using **JSF!** (**JSF!**). To develop the presentation layer we used {JSF

3 Business layer

This layer interacts with the data layer, built with **EJB!** (**EJB!**).

4 Data layer

This layer works atop a database (postgres) and exposes CRUD functionalities using **EJB!**s

5 Project management and packaging

The logging tool used was **SLF4J!** (**SLF4J!**)

Acronym list:

Java EE Java Enterprise Edition

JSF JavaServer Faces

EJB Enterprise JavaBeans

JPA Java Persistence API

JPQL Java Persistence Query Language

ORM Object/Relational Mapping

SLF4J Simple Logging Facade for Java