|  |  |
| --- | --- |
|  |  |
|  | Middleware Project    Milestone 1 |
|  |  |
|  |  |
|  | Winter Term 2014/2015  Project Guide: Tobias Freudenreich  Group Members :  Manisha Luthra (2687667)  Patrick Welzel (1478819)  Pratyush Agnihotri (2387187) |
|  |  |



# Overview

The project is aim to develop new ERP solution for Omazon Inc. using Java EE components (Enterprise Beans, Java Server Faces/Pages, Java Persistence API). The project specification is divided into several features: 1) Customer and Product data management, 2) Order Process support, 3) Shipment tracking via JMS messages and 4) Notification of exceptional events.

# Goals

In this milestone, we are focused on developing Customer and Product data management module. This module handles customers and product data. Our Omazon system supports following things in first milestone:

**Business Logic:**

1. Implemented Beans file for Customer
2. Implemented Beans file for Product
3. CustomerManager : interface UI and customerbean
4. ProductManager : interface UI and ProductBean
5. Customer Database
6. Product database
7. Employee database

**User interface:**

1. **Register customer : adding new customer**
2. **Product page : containing list of project**
3. **Employee page : showing add-delete product, modify product details, place shipment**
4. **add-delete product,**
5. **modify product details**

|  |  |
| --- | --- |
| **Entities** | **Attributes** |
| Product | * Name * Price |
| Customer | * Name * Address * Email id |
| Employee | * Name |
| Order | * Qty of products * Status * Cost |
| Shipment | * STATUS * shipment cost * shipment position * exception desc |
| Truck | * position (lat, lon), * capacity (in number of shipments) |
| Events | * Event type * Message * Event source |