

# **Software requirements**

## **For**

### **Daewoo Pack**

### **ERP System**

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# 1. Introduction

## 1.1 Purpose

This is a software requirement specification (SRS) for the Daewoo Pack ERP system. The purpose of this document is to provide detailed information about the functional and non-functional requirements of the ERP system. This document designed for senior executive staff, product managers, software developers and end-users of the system.

## 1.2 Product Scope

The main objective of the ERP system will be to set up an agreement with customers, order manufactory of products, monitor manufacture processes, planning of manufacture of products, monitor the warehouse, monitor shipment process, make a report of the warehouse, production, shipment processes.

## 1.3 Documentation standards

### **User types:**

1. Administrator
2. Sales manager
3. Planning manager
4. Raw material warehouse manager
5. Ready products warehouse manager
6. Manufacture worker
7. Accountant
8. HR manager
9. Executive Staff

### **Importance of functionality:**

1. (1) - Essential
2. (2) - Important
3. (3) - Good to have
4. (4) - Plans

## **2.Functional requirements**

### **2.1 Administrator**

1. (1) Admin can create new user from user types.
2. (2) Admin can to block user from access to the system.
3. (2) Admin can to remove user from system.
4. (2) Admin can change user information and password.
5. (2) Admin has all privileges that user types have.

### **2.2 Sales department**

1. (1) Sales manager can add new customer.
2. (1) Sales manager can make contact with customer.
3. (1) Sales manager can make specification for production.
4. (3) Sales manager can make commercial offer to customer.
5. (1) Sales manager can use the calculation of the price of a product.
6. (1) Sales manager can see the status of the order.

### **2.3 Planning department**

1. (1) Planning manager can plan for day from different specifications.
2. (1) Planning manager can change planed plans for day.
3. (1) Sales manager can see how many planned products need to be produced.
4. (1) Sales manager can order production to planning department from specification.
5. (1) Sales manager can give priority to the order so that planning manager can decide which order to produce first.

### **2.4 Production department**

1. (1) Manufacture workers can insert number of produced products from daily plan.
2. (1) System will fix time of production and cannot be changed.
3. (1) Manufacture worker can insert how much product produced in each line of production (and products that was planned will have status of production) and based on this it will go to the ready products warehouse.

### **2.5 Raw material warehouse department**

1. (1) Raw material warehouse manager can add new income of raw material.
2. (1) Raw material warehouse manager can subtract raw material from raw material stock.
3. (1) Raw material warehouse manager can add raw material that is left from production.
4. (1) Raw material warehouse manager, Sales manager, Planning manager, Executive staff can see stock of raw material.
5. (1) Sales manager can add new raw material producer and price of raw material.
6. (2) Raw material warehouse manager, Sales manager, Planning manager, Executive staff can see expected arrival of raw material, type, grammage.

## **2.6 Ready products warehouse department**

1. (1) Sales manager, Ready products warehouse manager, Executive staff, Account, Planning manager can see produced products in the ready goods warehouse.
2. (1) Manufacture worker can assign states for production of products.

## **2.7 Shipping department**

1. (1) Ready products warehouse manager can ship ready products from ready products warehouse to customer.
2. (1) Planning manager can plan shipment of ready products from ready products warehouse department daily, weekly, monthly.
3. (1) Sales manager, Ready products warehouse manager can see how many ready products need to be send to customer day, week.

## **2.8 Executive staff available function**

1. (1) Executive staff can monitor information about customer.
2. (1) Executive staff can monitor contract information with customer.
3. (1) Executive staff can monitor specification of contact.
4. (1) Executive staff can monitor planning of production.
5. (1) Executive staff can monitor how many products and defects produced per day, week, month.
6. (1) Executive staff can monitor how many products need to be shipped and already shipped.
7. (1) Executive staff can monitor raw material warehouse.
8. (1) Executive staff can monitor HR department processes.

## **2.9 Accounting department – will be sync with system**

1. (1) Executive staff, accounting can see bank status, information about balance, expenditure, deposit
2. (1) Executive staff, accounting can see and add raw material payment information
3. (1) Executive staff, accounting can see VAT refund and payments
4. (1) Executive staff, accounting can see profit and loss information

## **2.10 Reporting functionality**

1. (1) Users can generate report about how much paper was used in one day, one week, one month, one year.
2. (1) Users can generate report about how much raw materials were used in one day, one week, one month, one year.
3. (1) Users can generate report about much ink and which color used in production in one day, one week, one month, one year.
4. (1) Users can generate report about how much products were produced in one day, one week, one month, one year.
5. (1) Users can generate report about how much raw materials were used in production and show recommended usage from calculation in one day, one week, one month, one year.
6. (1) Users can generate report about shipment information in one day, one week, one month.

7. (1) Users can see total among of products taken by company daily, weekly, monthly
8. (1) Users can see how much sales made daily, weekly, monthly

## **2.11 HR department**

1. (1) HR manager can add new user to the system with giving role from user type (except: admin role).
2. (1) Executive manager can activate (need after HR registered this user) or deactivate user from system
3. (1) HR manager can see list of the user and their salaries.

## **3. Nonfunctional requirements**

### **3.1 Operation**

1. (1) System should be available to users from web.
2. (1) System for beginning will work on cloud-based server (VDS).
3. (1) System need to back up every hour and keep backups for 1 year.
4. (1) System need to save data in case of electricity failure.

### **3.2 Security**

1. (1) User can access to the system only with their email and password.
2. (1) Person from another department cannot see and manager functionality of another department.