



**Case Study:** Rainbow Exports

**Technical Skill:** Java/J2EE, MySQL, Struts 1.1, Tomcat 5.5,

CLIENT NAME	COUNTRY	SOLUTION AREA	STATUS
Rainbow Exports	India	Import Export Management System (IEM)	Completed

## Overview

From this Software user can generate the order, packing the order, generating the invoice. Basically It is “Auto generation management” Software. This software is divided into three parts. All those parts are interlinked. All modules are performed their Performance after completing particular Module’s performance. Automatically invoice will be generated after completing Order and packing generation.

## Functional Area

There are four significant parts to maintain this software. The parts are “**ORDER**”, “**PACKING**”, “**INVOICE**” and “**ADMIN**”. Here from ‘Order’ part we can create an Order based on customer’s requirement. From this Software order will be also possible to modify. Each time when the Order is created, then automatically an ‘Auto Order no’ will be generated. After generating the order the printed order list Should be available in the packing department. Based on the order list ‘packing’ details will be generated. Packing will be base on ‘BOX NO’. There is available some predefined ‘BOX’. These ‘Box’ is responsible to maintain The packing. After completing these two Processes, i.e. ‘Order’ and ‘Packing’, the ‘Invoice’ process will be started, based on Packing and Order list.

## Technical and Architectural Area

This Software is developed by JAVA language. For developing this Software we use the J2EE Part of Java language. In this J2EE part we use The Struts technology. It’s based on MVC2 Architecture. That is Model view, Controller. Here we use “Action” class as a controller. JSP part as a View purpose. And for model Purpose we use DAO class. (Data Access Object). Here we also maintain or use an Abstract Factory design pattern. We use Tomcat server i.e. web server for deploying the “WAR” file. The report part will be viewed through Acrobat Reader. PDF Writer class is used to view the report through PDF.

## Technical Specifications

Key Components	
Front End	Java/J2EE
Technology	Struts 1.1
Web Server	Tomcat 5.5
Database	MySQL