**Online Shopping Cart System**

**Introduction**

Customer requires selling several **prime branded products** on line using myCompany.com website. He is interested selling branded watches, Ties, Shoes, Pants and Shirts. He has several branded customers, upload their products on line and myCompany.com hosts their products on their web site. MyCompany.com allows credit card and debit cards from all the banks except AMEX. Credit and Debit cards include VISA and MASTER CARDS. The financial part of myCompany.com will be outsourced to myFinance.com. Reports for every week, month, quarter and yearly are generated for the financial purposes.

**Scope Details**

Where should we put the UI code?

01. Creating a Customer Friendly User Interface with customer details like First Name, Last name, Address and Contact details, Credit Card details.

02. Customer Module

03. Vendor Module

04. Admin Module

05. Listener Code

06. Reports Module

07. Listener For Finance and Payment Gateway (Security is mandatory)

08. Product Browsing Module

09. Shopping cart Module

10. Invoice Module

11. Payment Module

12. Receipt generation Module

13. SMTP the delivery details automatically. (Optional)

14. All data must come from database. (No hard code) I think we do not need this module

15. Login module

**Technologies**

01. PrimeFaces, HTML, CSS, JS

02. Java 7

03. Java EE 7 (JSF, EJB, JPA, RESTful web service)

04. MySQL 5.6.19

05. Glassfish 4.0

**Tools**

01. NetBean 8.0

02. GitHub

03. Maven

04. Jenkins

05. Mandrill

06. Bootstrap

07. MS Project

**Assumptions**

01. User credit amount will be inserted to the database automatically at the time of user registration.

02. Report, invoice and receipt printout format will be in “PDF”

03. There are 5 types of user roles namely “Admin”, “InternalUser”, “Vendor”, “Customer” and “Guest”

04. Vendors will be able to insert their products into the system.

05. Sold item revenue will be shared between the vendor and mycompany.com in 70:30 ratio.

06. The admin will create product categories and internal users

**Validations**

01. User must be in of the specific roles listed above (Assumptions 03)

02. Only credit card with 14 or more digits will be accepted.