

Web shop problem description

The company WSC (We Sell Cheap) wants to sell products over the Internet. So we need to develop a web shop where customers can buy products online. WSC sells various products, from books to computers to toilet paper. This website is going to be an e-commerce site. It will provide service where sellers can upload their products on this website to sell and customers can buy products.

Seller :- a person can register as a seller to this online shopping application and get approval from the admin, once registered he/she can add products, cancel placed order by a buyer. Seller can delete a product if and only there is no related order to the product. If there is an order with that product, the product cannot be deleted. Seller gets email notification of placed orders. In addition to this, Seller can not buy products from this website.

Customer :- customer cannot sell items on this website. Customer can add/edit/delete products to their shopping cart. Customers can view their past order history, can cancel and order before it gets shipped, can download a PDF receipt of the order.

Admin :- is able to manage every aspect of the system, has visibility to all features and changes system settings. Admin can approve sellers registration, approve product reviews made by customers.

It is important that the web shop is very user-friendly. It should be easy to find products or browse through the different product categories. For example, it should be possible to first select the category "books" and then we should see all subcategories of books. We can then select the subcategory "computer books", and then should see all subcategories of computer books. If we have found a product, then we can add it to the shopping cart. We should then see the content of the shopping cart.

Also, checking out the shopping cart should be very user-friendly. The web shop system should store the customer data so that customers have to enter their personal data and payment information only once. When a customer places an order, the system will automatically send an order confirmation by email to the customer. All orders must be paid by credit card. The shop uses an external credit card verification system to check the credit card information.

It should be possible for customers to place a "product review" for a product that they bought. These product reviews are shown in the detailed description of a particular product.

The shop application is managed by WSC staff that can add and remove products, and perform all the normal management functions. Also, the application can generate reports for management support. WSC has an already existing order application that process the incoming orders. The web shop application should use this existing order application to process orders.