

One Smart Inc

One Smart Inc has been a dominant player to provide desktop solutions to the MSME sector. After years of services and working with legacy software, they decided to upgrade themselves to the latest technology. While doing so, they didn't want to make their customers uncomfortable by introducing completely new solutions, so they decided to bring the best of both worlds in their solution. You have been chosen to be the part of the team and update its One Desktop Solution. Below are the key guidelines:

1. One Desktop Solution is a Windows Desktop Application which allows shopkeepers to
 - a. maintain the inventory by:
 - i. Allowing them to enter it when they purchase it. The shopkeepers keep record of:
 1. Name of the product
 2. Specifics (Flavor, wt, volume etc. to define SKUs)
 3. Date of Purchase
 4. Quantity
 5. Purchase Price
 6. Discount they received
 7. MRP
 8. Expiry Date
 - ii. There has always been a separate section through which they can see the list of SKUs which will expire in the next 30 days. As an added feature, a notification for the same shall Pop-up when the system is opened for the first time.
 - iii. To push about to expired products, there is a return module through which these SKUs are taken out of system (here expectation is that in the real world they are also either returning these products or destroying them, so corresponding cost implication has to be taken in the consideration)
 - iv. If the products/SKUs are being returned the calculation for the return shall take any discount applicable to it while calculating the money they shall receive. In addition, there shall be an additional field to capture actual money received as some suppliers don't return the full money.
 - b. Billing:
 - i. Type ahead search for finding the product
 - ii. Enter details like quantity and price and confirm the order
 - iii. Collect the payment and press the print of invoice
 - c. Sync with Cloud: The application shall be capable to work offline but in line with new technology, it shall sync at least once a day with cloud to store the data in the cloud.