1. Users must be able to subscribe to any item to get notified for that item.
2. When the new stocks are added for ‘out of stock’ items, then all users subscribed to that item must get notified
3. When the item is already available in stock and more such items is added, then no notification is sent
4. User can select either to get notified over mail or text message or both while clicking ‘NotifyMe’ button for any item

Approach:

Observer Pattern is used for designing such application