

Observer Pattern

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1 Problem Specification

BBC is a world-famous news broadcasting organization. We have to build a notification system for its online news portal. There are 2 types of users.

- Admin
- Subscribers

There can be 4 types of subscribers.

1. Website Subscribers
2. Facebook Subscribers
3. Twitter Subscribers
4. LinkedIn Subscribers

Each of these users can log in and sign up. Users can unsubscribe from the site anytime they want, watch all the news received till this moment, watch any information regarding his account. They can log in by their unique user name. Admin can post news on the site anytime, ban users, watch every subscribers list. Every time admin posts something new, every subscriber will be notified with the news. For website users, it will go by email and for other subscribers, news will be posted on their respective social media account. Admin can make changes to subscribers account like changing their priority, giving them stars, upgrading user reputation, ban their account. Every changes will be notified to users by email.