NewsChannel.java

import java.util.ArrayList;

import java.util.List;

public class NewsChannel {

private List<Subscriber> subscribers = new ArrayList<>();

private String news;

public void subscribe(Subscriber subscriber) {

subscribers.add(subscriber);

}

public void unsubscribe(Subscriber subscriber) {

subscribers.remove(subscriber);

}

public void notifySubscribers() {

for (Subscriber subscriber : subscribers) {

subscriber.update(news);

}

}

public void setNews(String news) {

this.news = news;

notifySubscribers();

}

}

```

\*\*Subscriber.java\*\*

```java

public interface Subscriber {

void update(String news);

}

```

\*\*User.java\*\*

public class User implements Subscriber {

private String name;

public User(String name) {

this.name = name;

}

@Override

public void update(String news) {

System.out.println(name + " received news: " + news);

}

}

```

\*\*Main.java\*\*

public class Main {

public static void main(String[] args) {

NewsChannel newsChannel = new NewsChannel();

User user1 = new User("Alice");

User user2 = new User("Bob");

newsChannel.subscribe(user1);

newsChannel.subscribe(user2);

newsChannel.setNews("Breaking News: New Observer Pattern Implemented!");

newsChannel.unsubscribe(user1);

newsChannel.setNews("More News: Observer Pattern Demonstration Continues!");

}

}