Consider we want to implement a notification service through email, SMS, and push notifications. Let's try to implement this with the help of the factory method design pattern. First, we

will design a UML class diagram for this. NotificationService Notification <<interface>> + main(): void + notifyUser(paratemter list): void <<implements>> <<implements>> <<implements>> NotificationFactory SMSNotification **EmailNotification** PushNotification + createNotification(): Notification + notifyUser(paramaters): void + notifyUser(paramaters): void + notifyUser(paramaters): void -creates-