REMOTE NOTIFICATIONS – GRADUATE PROJECT

1. KEY CONCEPTS

Remote Notifications has many ways of implementing it, 5 such ways are stated below.

A. MESSAGING

B. EMERGENCY ALERTS

C. LIVE UPDATES

D. REMINDERS

E. NEWS

2. SCENARIO

A. MESSAGING

Messaging alerts is one of the remote notification concept. User receives a push notification on the messages he received from another user using the same application. Messaging would be best to use when user needs to communicate with another user with fast response time. Message from a user will go to a provider and the provider uses APNS and pushes the message to its respective user.

B. EMERGENCY ALERTS

Emergency alerts is another way of using remote notifications. Emergency alerts is most important way of using remote notifications. It pushes alerts from servers to all those who are using those applications. This would be best to use during some natural calamities.

C. LIVE UPDATES

Live updates are one of the common ways of using remote notifications. Many applications push their updates for the user to notify them about the new app update and for them to update their apps. Live updates can also be

from the provider who pushes discounts on the product which the user is interested in.

D. REMINDERS

Reminders are the most common way of implementing remote notifications. Reminders are used when user needs to get reminded of his schedule. There are many reminders like schedules, incomplete background work, fitness, food etc. depending on the applications they install. Most of the application has reminders.

E. NEWS

News alerts are like live updates but it does give both the live updates as well as unread news, subscribed news. Nowadays news applications replace the need for the newspapers. User tends to read day to day news through applications and news can be scrutinized.

3. ADVANTAGES AND DISADVANTAGES

A. MESSAGING

Advantages: Notification in messaging produces fast response time for the messages from the user since they get notified of the messages as soon as it receives the push notification in sent.

Disadvantages: Message notifications can be switched completely off and on and cannot be switched off for messages so the user must see all the unwanted messages in notifications too.

B. EMERGENCY ALERTS

Advantages: Notification in emergency alerts gives a user time to respond for the emergency. Most useful notifications which tells the user whether and how much damage or effect is going to happen at which place.

Disadvantages: Emergency notifications are serious. So, if these notifications come from an untrusted application then it creates a chaos.

C. LIVE UPDATES

Advantages: Notification in live updates. It gives the user updates from applications for the user to update and not use the old version of the application which creates problems in later stage.

Disadvantages: There are some disadvantages to live updates like if a notification is late and the discount for the product is already changed/used.

D. REMINDERS

> Advantages: Notification in reminders. Reminds the user of his events of day to day and special events. They monitor user day to day activities and send a notification if anything was missing that day.

> Disadvantages: Reminders have so many disadvantages if the data stored and retrieved is flawed. A scheduled push notification cannot be stopped if the reminder is a mistake.

E. NEWS

> Advantages: Notification in news. Gives updates on the real-world happenings to the user, even if the user forgets to read the news or the latest news the notification from the provider application pushes a reminder for the news as well as it pushes day to day headlines.

> Disadvantages: There are so many news or headlines every day and remote notifications once registered can't be revoked so, all the unwanted news will be pushed as a notification.

4. APPLICATION EXAMPLE

Application examples are available in the drop box which involves Reminder concept.

5. ADDITIONAL APP DEVELOPMENT IDEAS

- Ease of Use – Notifications are incoming even if the mobile is locked or at the background.
- Engaging users – Make unknown users to known set of users.
- User Control – The notifications can be controlled by the user based on what to see and what not.

These are some strong advantages of Remote Notifications.

Several applications are very useful which involves remote notifications.

Emergency Alerts like disaster management can be performed using remote notifications which can be used by everyone. Read twitter feeds through your application and using the keywords from the feeds, it is possible to trigger a notification if some emergency key word is trending recently or most recently commonly used.

We can also use the weather API's to perform weather alerts through remote notifications.