

## CNCE406 Introduction to HCI

### Assignment #2 Part1

Due: 2013.10.16 Wed

#### Team Members:

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#### Our team project: KUPID Notifier

Student of Korea University can check useful notice or assignment from their course from KUPID. But there is no notification when new notification for new information such as notice or assignment from the source. So students should login themselves and this is really uncomfortable. And it is really hard to get the information because it needs many steps to certain menu. It is not comfortable. ***To solve this problem, we develop new android application to receive notification from KUPID when new information is posted. It also provides easiness to get information since it simplifies steps to get information.***

#### Requirement Analysis

- ✓ Functional-task Requirement
  - User can see list of course in current semester
  - User can see new information about the course (such as notices and assignments)
  - Show notice or event lists that are posted on KUPID
  - Notify new information when it is posted on KUPID even user did not open the application
  - User can add assignment information on his/her own system calendar
- ✓ Functional UI Requirement
  - Load information on background
    - ✧ Show to information as fast as possible
  - Low battery usage even processing background works for notification

- High level of security
  - ✧ Communication between server and client should be transfer safely with encryption method
  - ✧ Never stores password on server
  - ✧ Store account information in client safely with certain encryption method
  - ✧ Automatically logout on password changes of KUPID.
  - ✧ Not only functionally secure but good UI to user can think process of application is secure also
  - ✧ e.g. Lock picture on password typing and so on
- ✓ Non-Functional UI Requirement
  - Should follow design guideline of android system
  - Structure of the information should be best for perspective of cognitive
  - Easy to recognize new information
    - ✧ Special background on new information for user to notice unread new information
    - ✧ Emphasize on important information
- ✓ Others
  - ✓ Target Platform: Android
  - ✓ Target User: Students of Korea University

## **User Analysis**

- ✓ Investigate the basic characteristics of your target
  - Student of Korea University
    - ✧ They log into KUPID very often (1~4 times a week)
    - ✧ They think visiting KUPID via mobile is uncomfortable
    - ✧ They experienced missing important info on KUPID
  - Experienced on mobile phone
    - ✧ They are familiar with common mobile application
    - ✧ They know why background processing is awful to mobile environment battery life
    - ✧ They know typing password on 3<sup>rd</sup> party application is dangerous for security
- ✓ Investigate any other particular needs
  - Some of users' needs notice notification not only ECU notification
  - Concern about security
    - ✧ They know typing password on 3<sup>rd</sup> party application is dangerous for security
    - ✧ e.g. OAuth is now widely spread on many mobile service
  - Concern about battery life
    - ✧ Our application works on background for the notification, and our users know it is not good for battery life

### **Lesson Learned**

- ✓ User analysis is important
  - User analysis sometime base of deciding requirement
  - Result of user analysis influence to requirement analysis
- ✓ Sometimes, user analysis can be distorted
  - Analyzing small number of user can be dangerous
  - e.g. Function that one user don't think it is not important but other user could think that it is very important for the application
  - We should analyze many number of users