CNCE406 Intoduction to HCI

Assignment #2 Part2

Due: 2013.11.07 Wed

Team Members:

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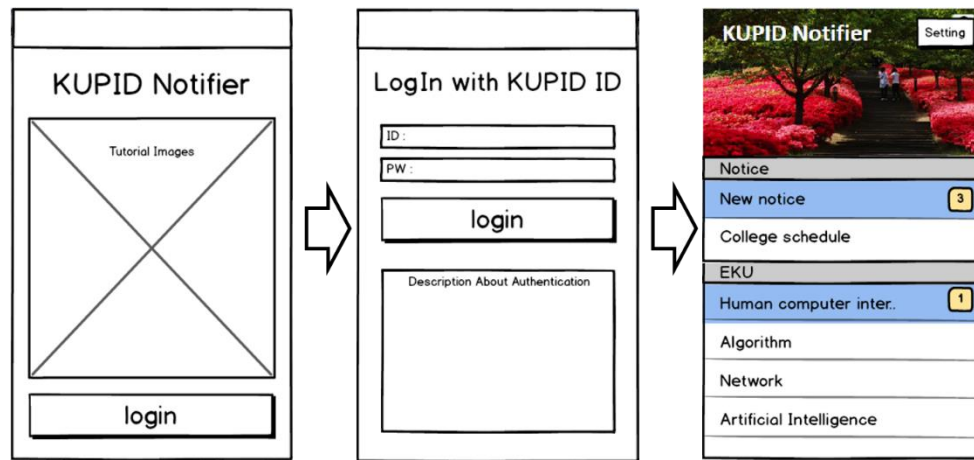
2008210050 Jae-Sung Ryu

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 ma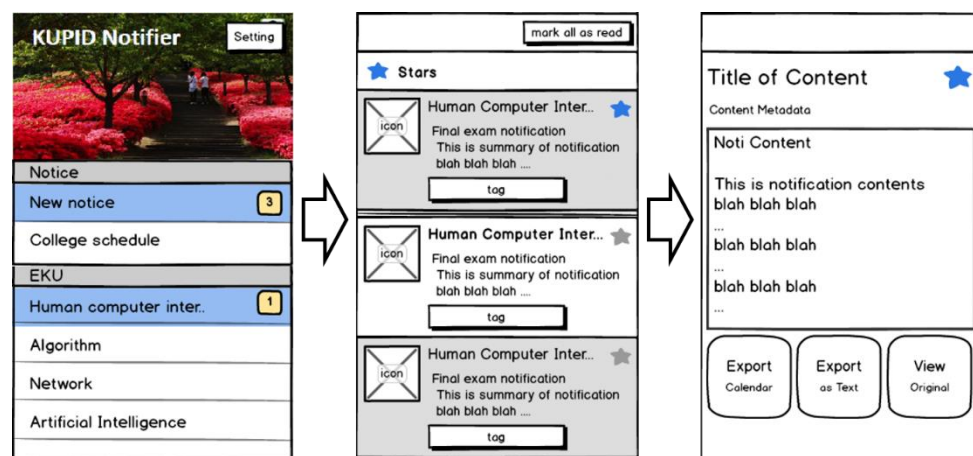ny steps to certain menu. It is not comfortable. ***To solve this problem, we develop new android application to receive notification from KUPID when new information is posted. It also provides easiness to get information since it simplifies steps to get information.***
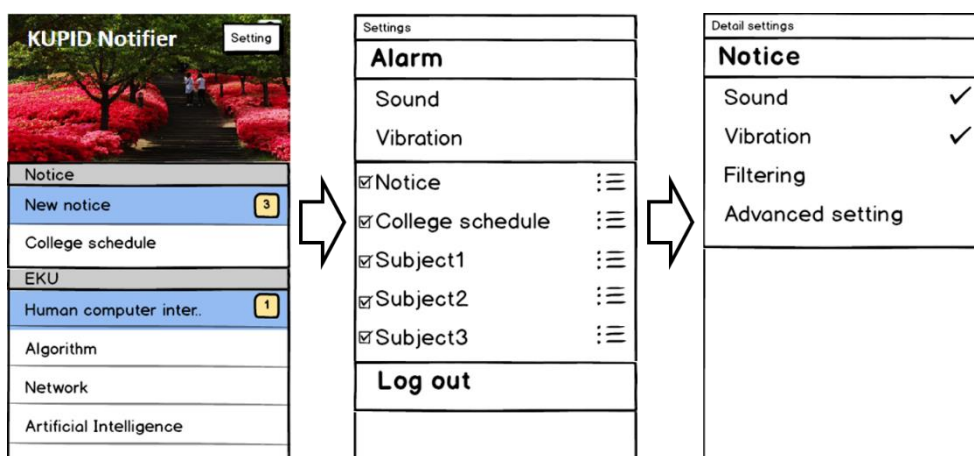
UI Overview

✓ **Tutorial → Log-in → Main**

✓ **Main → Content List → Content**

✓ **Main → Setting → Detailed Setting**

Task Modeling / Scenario (or Storyboard)

✓ **Task Sequence 1: Sequence for view content from main screen by user-driven**

1. Choose category for check on 'App Main Window'.

2. Choose the Noti for chick in detail on 'Categorized Noti Window'.

    1. Pinned Notis are seen on the top of 'Categorized Noti Window' as folded bar.

    2. After unfold the pinned Noti list, user can touch Pin icon to pin the Notis or un-pin the pinned Notis.

3. Move to 'Noti Content Window' then check detail content of the Noti.

4. If it needed, by using 'Pin icon', user can pin the Noti.

5. If it needed, export menu can be chosen at the end of the content.

6. Press 'back' key to move 'Categorized New Noti Window' or press App Main icon to move 'App Main Window'

✓ **Task Sequence 2: View content by single content notification driven**
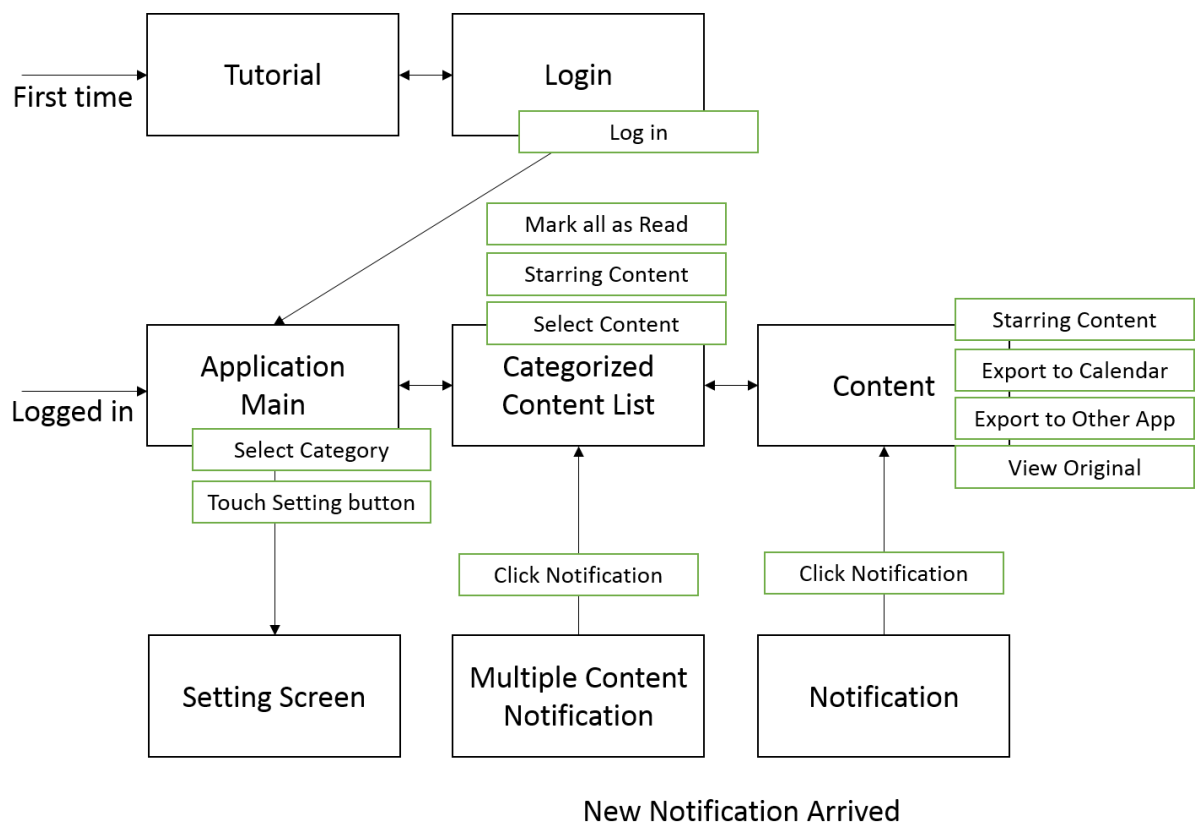
1. Receive System Alarm for new Noti reception and touch it.

2. Move to 'Noti Content Window' then check detail content of the Noti.

3. If it needed, by using 'Pin icon', user can pin the Noti.

    ➢ When user move to other window without any management or exporting action on the Noti, it treated as 'just checked out'

    ➢ Pinned Notis are seen on the top of 'Categorized Noti Window'

4. If it needed, export menu can be chosen at the end of the content.

5. Press 'back' key to move App Main Window.

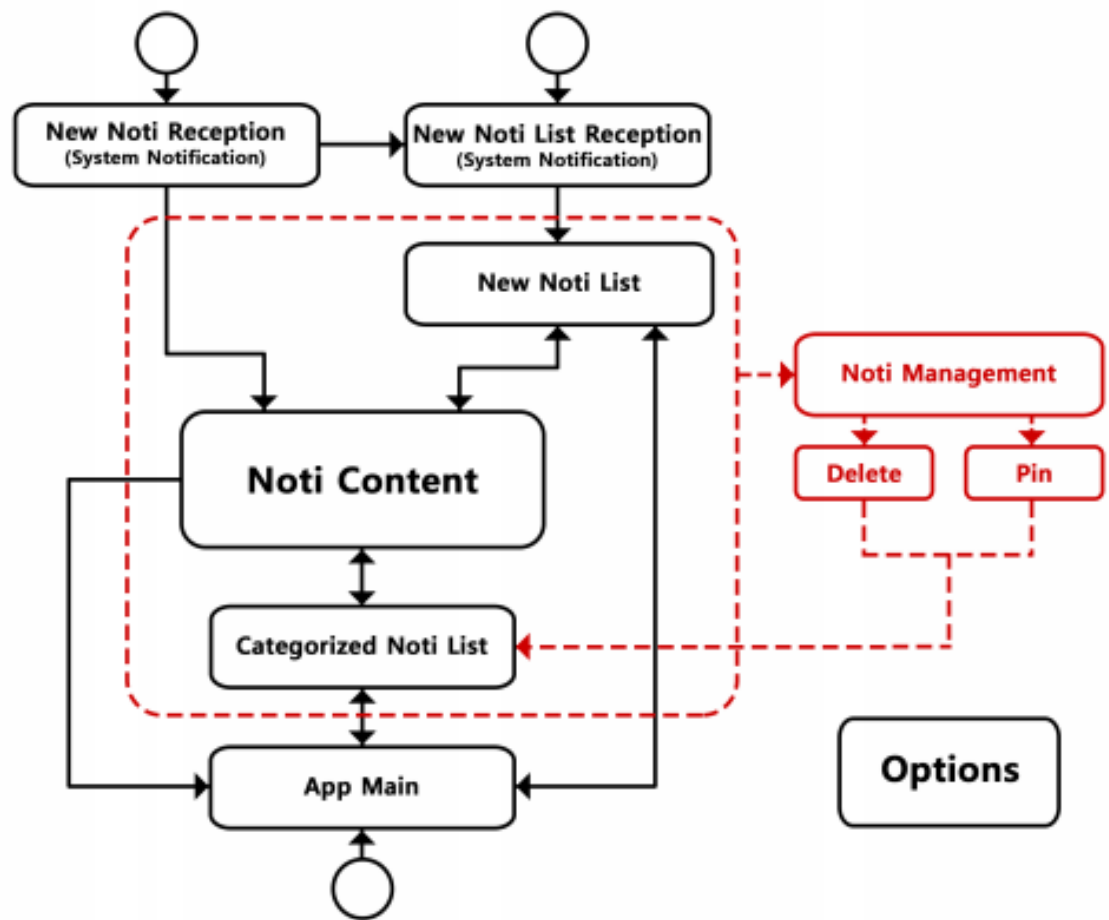✓ **Task Sequence 2: View content list by multiple content notification driven**

1. Receive System Alarm for new Mult Noti List reception and touch the categorized Noti.

2. Move to 'Categorized New Noti Window' then choose the Noti for check in detail.

    ➢ If there are no more Notis for check in detail, user call list menu and touch 'Set as Checked' button.

3. Move to 'Noti Content Window' then check detail content of the Noti.

4. If it needed, by using 'Pin icon', user can pin the Noti. If it needed, export menu can be chosen at the end of the content.

   ➢ When user move to other window without any management or exporting action on the Noti, it treated as 'just checked out'

   ➢ Pinned Notis are seen on the top of 'Categorized Noti Window'

5. Press 'back' key to move 'Categorized New Noti Window' or press App Main icon to move 'App Main Window'

   ➢ If there are no more Notis on 'Categorized New Noti', 'App Main' icon will be shown.

✓ **Several Tasks from each screen**

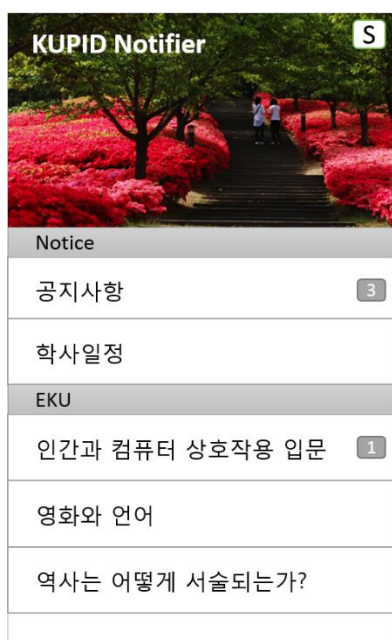New Notification Arrived

✓ **Task Diagram**

Interface Selection

✓ **ActionBar**

- ActionBar style is recommended by Google

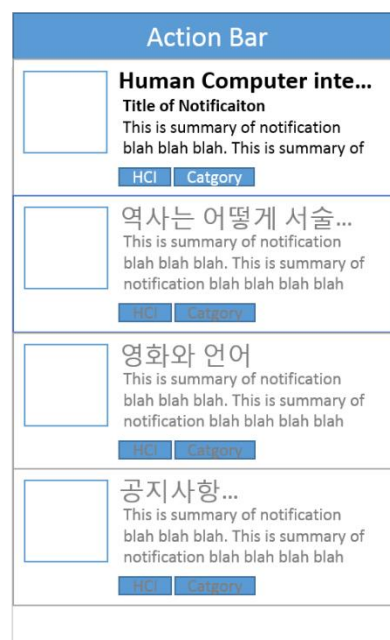- We choose ActionBar style application to get consistent experience for android users.

✓ **Header Image**

- Header Image in ListView is not anti-pattern of Android system.

- Header Image style is also used in Music app developed by Google

- We choose Header Image to put category list in bottom of the screen

- This is because user's thumb is not so long but screen size of the devices became bigger and bigger.

✓ **Structured vs Notification only screen**

- Notification only screen only shows list of notifications sorted by time

- Structured screen shows content by category.

- Structured screen is just same as structure of KUPID.

- We choose structured screen since because user's needs.

- Structured screen also have better learning curve than notification only screen.
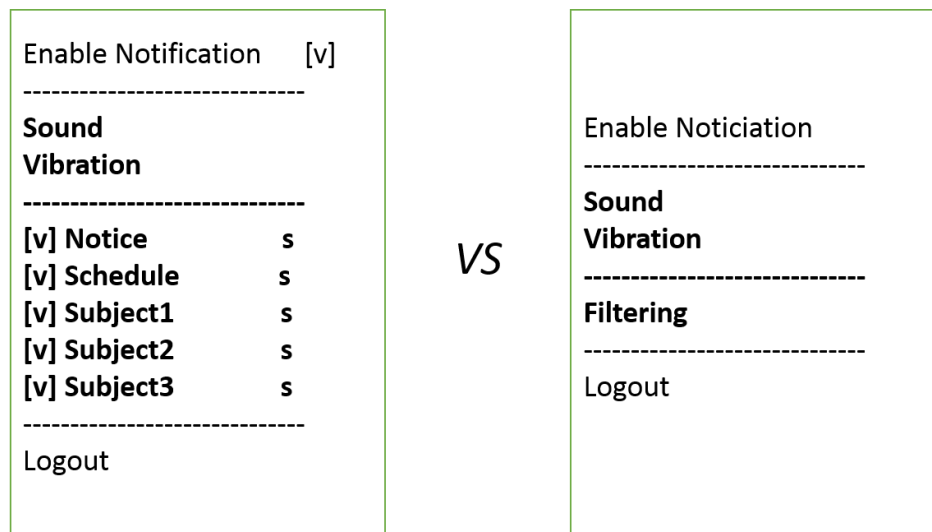
✓ **Pull to Refresh**

- Pull to refresh is common pattern in Android applications.

- We choose Pull to refresh to get consistent experience for android users.

- It is also easy to refresh screen with thumb in bigger size of device.

✓ **ListView vs GridView**

- ListView is better for multi size screen.

- ListView gives constant design all over single application.

✓ **Settings**

```
Enable Notification     [v]              Enable Noticiation
-----------------------------            ----------------------------
Sound                                    Sound
Vibration                  VS            Vibration
-----------------------------            ----------------------------
[v] Notice        s                      Filtering
[v] Schedule      s                      ----------------------------
[v] Subject1      s                      Logout
[v] Subject2      s
[v] Subject3      s
-----------------------------
Logout
```

- We can choose between 'categorized by properties(sound, vibration)' and 'categorized by functionality)

- We choose categorized by functionality because it is more obvious.

- And user can select whether enables each function, so it is also easy to determine which notification of function is enabled.

Interface Design

✓ **Tutorial**

- User can see tutorial of the application

- Tutorial contains several description of the app

- User can swipe to see other tutorial

- Tutorial is added for help user to use this app easily

✓ **Login**

- User can log in with KUPID account

- Description about login for user to understand how app manage id/password secure

- We'll use color similar to color in guideline in site of Korea university : http://www.korea.ac.kr/content/K/K5_8.jsp

✓ **Category List**

- Header Image is for gives user better experience in bigger size of device.

- We shows new notification count right-side of the item.

- Background color of the item is normally gray.

- Background color of unread item is white to emphasize it is not read.

- Text of unread item is bold to emphasize.

- Header image disappears smoothly according to position of items on the list.

- After header image disappeared, ActionBar appears and its color is crimson red.

- Setting button is in ActionBar (guideline of android)

- Separator between EKU and Notice category for easiness to recognize different type of notification group.

✓ **Content List**

- Color of action bar is red, which is similar to represent color of the Korea University.

- Background color of the item is normally gray.

- Background color of unread item is white to emphasize it is not read.

- Text of unread item is bold to emphasize.

- Each item has icon for easiness to recognize type of the notification.

- Each item has several metadata which can easily extensible for any kind of notification type.

- Starred list will folded initially, only shows how many starred notification.

- If user click button, starred list will appears.

- User can easily mark all as read by button on ActionBar.

- Mark all as read button should not be easily touched so we put this on top of the screen.

✓ **Content**

- We place action buttons in below of the content.

- It is for user to see the content first and decide what to do on content.

- It is exactly same with user's common action.

- It is also extensible to add new action for content.

- Each action button contains icon for easiness to recognize what the action of the button.

✓ **Settings**

✓ We follow default setting style of Android system.

✓ It is because to give user consistent experience on android system.