Android - Task

ShopsUp - HyperKonnect

Date: 18/08/2016

Purpose

LiveWidget — real time event updates on the home screen!

[Problem Statement]

1. Develop a pseudo android widget which would let users help view event updates on home screen conveniently.

[Minimum Requirement]

1. Use of Web API to fetch feed details.
   a. API Parameters:
   b. events[] —> { status, college, title, thumbnail, challenge_type, description, start_timestamp, end_timestamp, url }
   c. PS: Make sure you list events which has below parameters.
   d. status= ONGOING
   e. college = false
2. Visually interactive design to display event details.

3. Submit Source code, Screenshots & compiled APK.

[Plus Point]

(Good to have)

1. A feature to favourite event and display number of total 'ONGOING' event(s).
2. Also add Link to event URL
3. Utilise below:
    ○ 'thumbnail' to display image
    ○ 'challenge_type' to display type of the challenge
    ○ 'description' of the challenge
4. Implement an option to swipe (via left/right tap) event chronologically.
5. Feel free to use your favourite Android Development SDK and tools in development and design.

[Guide]

Steps to check for student understanding

1. LiveWidget API:
    https://www.hackerearth.com/api/events/upcoming/?format=json
2. Android JSON:
    http://developer.android.com/reference/org/json/JSONObject.html
3. Android Widget:
    a. http://developer.android.com/guide/topics/appwidgets/index.html
    b. http://www.vogella.com/tutorials/AndroidWidgets/article.html
4. For query/issue/support, we are also live on IRC (Freenote network) at #hackerearth.
5. For icons and subtle texture:
    a. https://github.com/bperin/FontAwesomeAndroid
    b. http://glyphsearch.com/ | http://www.Óaticon.com/
    c. http://subtlepatterns.com/thumbnail-view/
    d. http://codebeautify.org/jsonviewer

[Extra Work]

(if time permits)

1. Use start_timestamp and end_timestampÒeld to identify.
2. A feature to display Live update; retrieving live updates through
3. Web API on 30 seconds of interval.
4. Implement a feature to customise interval and Widget Layout.
5. Custom design, font and icons to make app widget more user-friendly.
6. You may add portfolio activity comprising awesome work you have done on android.
7. Use your imagination and add features which would make things easier for endusers.