

Android Developer Test Task

Task: Write utility class "FileLoader"

Implementation:

Class FileLoader extends AsyncTask to do all downloading work not in the UI thread. FileLoader creates connection with URL and gets stream from it. Data from stream are saving to local file in device storage. FileLoader support observer (OnSuccessListener) which allow getting event result.

Usage:

1. Include class FileLoader and interface OnSuccessListener to you project.
2. Create instance of FileLoader and (optional) add listener to it and implement its methods.
3. Call method execute() and provide link to file that need to be downloaded.
4. File will be downloaded and saved in "/filestorage" folder.
5. If listener was added to FileLoader you will receive link to local file in onSuccess() or wrong link in onError().

Additional:

You can test FileLoader with simple application included (FileLoader.apk). Just input link to file and press OK, you'll see the result in a Toast message. History for downloaded files also available at tab "History" (success downloads mark green, failed mark red).