

**Pick Pic**

**Bug report**

**2017 - 1 Human ICT Software Engineering | 2017.06.02**

|  |  |
| --- | --- |
| 20155652 | KangSoYeon |
| 20154019 | LeeYeWon |
| 20151722 | MyungSeKyo |
| 20152164 | LeeWonJun |
| 20151535 | ParkGunHoo |

Table of Contents

[1. NOTICE 3](#_Toc484190652)

[2. FrontEnd 3](#_Toc484190653)

[2.1 MainActivity 3](#_Toc484190654)

[2.2 SearchActivity 4](#_Toc484190655)

[2.3 GalleryActivity 4](#_Toc484190656)

[3. BackEnd 5](#_Toc484190657)

[3.1 Synchronizer 5](#_Toc484190658)

[3.2 AutoTagGenerator 5](#_Toc484190659)

[3.3 TagDBManager 6](#_Toc484190660)

[3.4 LocalImageManager 6](#_Toc484190661)

[4. Item 7](#_Toc484190662)

[5. Server 7](#_Toc484190663)

# 1. NOTICE

If you find a bug, please let me know by using <https://goo.gl/forms/pw44cIG09RCFkyQU2>

OR you can create a new issue

for the client through <https://github.com/PickPic/PickPic_Client/issues>

for the server through <https://github.com/PickPic/PickPic_Server/issues>

If you want our bug history, then see issues

for client in <https://github.com/PickPic/PickPic_Client/issues>

for server in <https://github.com/PickPic/PickPic_Server/issues>

OR you can see the bug report document in "<https://github.com/PickPic/PickPic_Client/blob/develop/document/Bug_report.docx?raw=true>"

# 2. FrontEnd

## 2.1 MainActivity

|  |  |
| --- | --- |
| Bug name | Directory Tab List View (2017/05/17) |
| location | directory\_tab\_fragment.xml, directory\_tab\_listview\_item.xml |
| detail | In Directory Tab List View, thumbnail size is not match each other. This problem occurred even when the item size was same. |
| solution | This problem was solved by fixing the thumbnail size to 85dp. |

|  |  |
| --- | --- |
| Bug name | Time Tab Gird View (2017/05/17) |
| location | time\_tab\_fragment.xml, time\_tab\_gridview\_item.xml |
| detail | Time Tab Grid View, thumbnail size is not match each other. This problem occurred even when the item size was same. |
| solution | This problem was solved by fixing the thumbnail size to 90dp and margin is 1dp. |

|  |  |
| --- | --- |
| Bug name | synchronizer button error (2017/05/26) |
| location | MainActivity(new Synchronizer(thisContext).execute(); ) |
| detail | if touch the synchronizer button, then it occur error |
| solution | change getApplicationContext() to this Context |

## 2.2 SearchActivity

|  |  |
| --- | --- |
| Bug name | SearchView vs EditText (2017/05/20) |
| location | SearchActivity |
| detail | We try to use SearchView, widget that provides a user interface for the user to enter a search query and submit a request to a search provider. But it is ambiguous to use and it makes hard to read a code. |
| solution | It is better to use EditText instead of SearchView. When you want to get text from User, you can use getText(); and when the recommend tag is selected you can use setText();. It reduces many ambiguity and it makes your code more readable and clearly. |

|  |  |
| --- | --- |
| Bug name | Get all tag function error (2017/05/21) |
| location | SearchRecyclerViewAdapter |
| detail | we try to use get all tags. At that very moment I was convert String ArrayList to String Array, but only one tag is served. |
| solution | write 0 instead of i |

## 2.3 GalleryActivity

|  |  |
| --- | --- |
| Bug name | Delete tag Problem (2017/05/22) |
| location | GalleryTagListAdapter |
| detail | When I test 'delete tag'. The application suddenly stops. |
| solution | In TagDBManager, the syntax of the query that is related to delete tag was incorrect, so fixed it |

|  |  |
| --- | --- |
| Bug name | Add tag is not worked well (2017/05/23) |
| location | GalleryTagFragment, tagInputDialog() |
| detail | Added tag is not immediately visible in the list. |
| solution | changed the location of .notifyDataSetChanged(); from addTagListener() to tagInputDialog() |

|  |  |
| --- | --- |
| Bug name | there are new line error (2017/05/26) |
| location | GalleryActivity |
| detail | there are new line error |
| solution | Solved using the basic functions of github.com |

|  |  |
| --- | --- |
| Bug name | Image alignment problem (2017/05/26) |
| location | ImageFragment, rotateImage() |
| detail | When rotate image, the image alignment becomes strange. |
| solution | use setScaleType(ImageView.ScaleType.FIT\_CENTER) function |

|  |  |
| --- | --- |
| Bug name | ImageFragment rotate image problem (2017/05/26) |
| location | ImageFragment, rotateImage() |
| detail | When user rotate the image, the image does not fill the screen. |
| solution | It is a problem caused by sizing. In fragment\_image.xml, I set the size of the imageview. So, I changed layout width and height 'match\_parent' |

|  |  |
| --- | --- |
| Bug name | zoom after rotate problem (2017/05/31) |
| location | ImageFragment, rotateImage() |
| detail | When zoom in / out image after rotate, the application suddenly stops. |
| solution | add  photoViewAttacher = new PhotoViewAttacher(imageView);  at rotateImage() |

|  |  |
| --- | --- |
| Bug name | there are new line error (2017/05/31) |
| location | GalleryActivity |
| detail | there are new line error |
| solution | Solved using the basic functions of github.com |

# 3. BackEnd

## 3.1 Synchronizer

|  |  |
| --- | --- |
| Bug name | the class name is Syncronizer (2017/05/20) |
| location | Syncronizer |
| detail | the class name is Syncronizer |
| solution | change Syncronizer to Synchronizer |

|  |  |
| --- | --- |
| Bug name | there are new line error (2017/05/22) |
| location | Synchronizer |
| detail | there are new line error |
| solution | Solved using the basic functions of github.com |

## 3.2 AutoTagGenerator

|  |  |
| --- | --- |
| Bug name | AutoTagGenerator use many task (2017/05/20) |
| location | AutoTagGenerator(autoTagGenerate) |
| detail | AutoTagGenerator send all of the new images, so it takes so many task |
| solution | Using semaphores to send only 10 at a time |

## 3.3 TagDBManager

|  |  |
| --- | --- |
| Bug name | getPathsByTags error (2017/05/25) |
| location | TagDBManager(getPathsByTags) |
| detail | if the input tag is only one, then it doesn't work |
| solution | apply different algorithm |

|  |  |
| --- | --- |
| Bug name | getToBeErasedPaths error (2017/06/02) |
| location | TagDBManager(getToBeErasedPaths) |
| detail | When there are too many image files in the cell phone, the previous method shows an error when putting "SELECT path FROM IMAGES WHERE path NOT IN" in the sqlite statement |
| solution | apply different algorithm |

## 3.4 LocalImageManager

|  |  |
| --- | --- |
| Bug name | LocalImageManager's getAllImagePath to return DESC order (2017/05/20) |
| location | LocalImageManager |
| detail | LocalImageManager's getAllImagePath to return DESC order |
| solution | LocalImageManager's getAllImagePath to get order parameter and result follow the order |

|  |  |
| --- | --- |
| Bug name | Time format error (2017/05/20) |
| location | getDateByPath method in LocalImageManager class |
| detail | The time format is returned as the number of milliseconds since 1970. So when returning a date, the millisecond units were omitted and the date was not correct. |
| solution | date += **"000"**; String format = **"MM/dd/yyyy"**; SimpleDateFormat formatter = **new** SimpleDateFormat(format, Locale.***ENGLISH***);  I solved the problem by multiplying milliseconds by 1000. |

|  |  |
| --- | --- |
| Bug name | Directory name format issues (2017/05/20) |
| location | getBucketName method in LocalImageManager class |
| detail | BUCKET\_DATA is used as the directory name when retrieving image information from the media store. But it returned a long absolute path. |
| solution | I found out that there was an attribute called BUCKET\_DISPLAY\_NAME in the media store and I used it. |

|  |  |
| --- | --- |
| Bug name | Directory-specific image list error (2017/05/20) |
| location | getImagesInDirectory method in LocalImageManager class |
| detail | I used BUCKET\_DISPLAY\_NAME to retrieve a list of photos in the directory, and I searched for other folders with the same name. |
| solution | I found a unique folder using BUCKET\_ID instead of BUCKET\_DISPLAY\_NAME. |

|  |  |
| --- | --- |
| Bug name | there are new line error (2017/05/22) |
| location | LocalImageManager |
| detail | there are new line error |
| solution | Solved using the basic functions of github.com |

# 4. Item

|  |  |
| --- | --- |
| Bug name | there are new line error (2017/05/22) |
| location | GridViewItem |
| detail | there are new line error |
| solution | Solved using the basic functions of github.com |

|  |  |
| --- | --- |
| Bug name | there are new line error (2017/05/22) |
| location | DirectoryTabListViewItem |
| detail | there are new line error |
| solution | Solved using the basic functions of github.com |

# 5. Server

|  |  |
| --- | --- |
| Bug name | Image format error (2017/05/31) |
| location | Server.js |
| detail | The server can only process jpeg, jpg, png. |
| solution | Only jpeg, jpg, and png are processed as conditional statements. |