

**Pick Pic**

**Bug report**

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

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# 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

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| 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. |

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| 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. |

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| 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

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| 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. |

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| 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

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| 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 |

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| 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() |

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| 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 |

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| 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 |

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| 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' |

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| 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() |

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| 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

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

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| 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

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| 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

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| 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 |

## 3.4 LocalImageManager

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| 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 |

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| 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. |

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| 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. |

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| 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. |

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| 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

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| 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 |

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| --- | --- |
| 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

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| 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. |