

**Pick Pic**

**Test report**

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# 1. FrontEnd

## 1.1 MainActivity

|  |  |  |  |
| --- | --- | --- | --- |
| Test name | Tab test in MainActivity | | |
| condition | When you click Directory Tab | When you click Time Tab | When you click Tag Tab |
| result | The directories are shown in order of latest. | The pictures in your device are shown in order of latest. | The tags in your pictures are shown in order of descending. |
| note | When you click Tag Tab or tag list on picture at the first time, tag might not be arrived yet. This is because of server speed not because of application’s problem. If we have ability to have a good server, that can be solved. | | |

|  |  |
| --- | --- |
| Test name | Menu button test in MainActivity |
| condition | When you click menu button(C:\Users\user\Desktop\sw\ic_more_vert_black_24dp\ic_more_vert_black_24dp\android\drawable-xhdpi\ic_more_vert_black_24dp.png) on upper right of MainActivity. |
| result | You will see 4 different menus. The menus are ‘Synchronize’, ’Delete all tags’, ’How to use’ and ’Service Center’ |
| note |  |

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| --- | --- | --- | --- | --- |
| Test name | Menu test in MainActivity | | | |
| condition | When you click ‘Synchronize’. | When you click ‘Delete all tags’. | When you click ‘How to use’. | When you click ‘Service Center’ |
| result | Synchronize is run manually. | All of your tags are cleared | Manual images are shown | Developers’ contacts and application’s web site address are shown. |
| note | Synchronize might be run slowly because of server speed. | | | |

## 1.2 SearchActivity

|  |  |  |  |
| --- | --- | --- | --- |
| Test name | Automatic completion | | |
| condition | There is no similar tag. | Last text is similar | First text is similar |
| result | Empty tag recommend list | Show the tag | Show the tag |
| note | If you start texting for search, the recommended tag list is gone and automatic completion list is replaced it. | | |

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| --- | --- | --- |
| Test name | Search | |
| condition | input tag is found in all tag list | input tag is not found in all tag list |
| result | Show the image which have the tag | Show nothing. |
| note | Search will be little bit delayed if your gallery has many images. | |

|  |  |  |  |
| --- | --- | --- | --- |
| Test name | Search repeatedly | | |
| condition | First input one tag | Search again in searched list and there are images that have both tags common. | Search again in searched list but there are no images that has both tags common. |
| result | Show the result same as Search Action | Show the images that have both tags common. | Show nothing. |
| note | You can easily see the tags you searched above the page. | | |

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| --- | --- | --- |
| Test name | Delete searched tag | |
| condition | There is few tags above and click X button right after the tag. | There is no tag above |
| result | The tag is deleted | Return to search view |
| note | You can see the first searched result and can think of the next searching tag. | |

## 1.3 GalleryActivity

|  |  |  |
| --- | --- | --- |
| Test name | Change Fragment | |
| condition | click button at ImageFragment | click button at GalleryTagFragment |
| result | converted to GalleryTagFragment | convert to ImageFragment |
| note | C:\Users\Arsene holmes\AppData\Local\Microsoft\Windows\INetCacheContent.Word\그림1.pngbutton | |

|  |  |  |
| --- | --- | --- |
| Test name | Option menu is clicked | |
| condition | share button is clicked | rotate button is clicked |
| result | apps that user can share appear on screen | image rotates clockwise |
| note |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| Test name | Rotate image | | |
| condition | square image | horizontal long image | vertically long image |
| result | rotate | rotate and resize to fit the screen | rotate and resize to fit the screen |
| note |  | | |

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| --- | --- | --- |
| Test name | Back button is clicked | |
| condition | current screen is ImageFragment | current screen is GallerTagFragment |
| result | return to Gridview | return to ImageFragment |
| note |  | |

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| --- | --- | --- |
| Test name | Add tag | |
| condition | enter new tag and click ADD | click CANCEL |
| result | new tag is added and appears in the list | no change |
| note |  | |

|  |  |  |
| --- | --- | --- |
| Test name | Delete tag | |
| condition | click OK | click CANCEL |
| result | tag is deleted and disappears from the list | no change |
| note |  | |

# 2. BackEnd

## 2.1 AutoTagGenerator

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| --- | --- | --- |
| Test name | autoTagGenerate | |
| condition | Server returns tags | Server doesn’t return tags |
| result | Tag is generated successfully. | Tag is not generated |
| note | Take the path and send it to the server to get the tag and confirm it.  When no tag is generated, there should be some problem  1) The server has timed out.  2) No internet connection  3) Unsupported file format. | |

## 2.2 LocalImageManager

|  |  |  |
| --- | --- | --- |
| Test name | getGridViewItemList | |
| condition | There are images in the context | There are no images in the context |
| result | Return GridView list | Return nothing |
| note |  | |

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| --- | --- | --- |
| Test name | getBucketName | |
| condition | bucket id is correct | bucket id is incorrect |
| result | get directory name | return empty string |
| note |  | |

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| --- | --- | --- |
| Test name | getTimeTabGirdViewItemList | |
| condition | There are images in the context | There are no images in the context |
| result | Return GridView list | Return nothing |
| note |  | |

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| --- | --- | --- |
| Test name | getDateByPath | |
| condition | There is an image with that path | There is no image with that path |
| result | Return date | return empty string |
| note |  | |

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| --- | --- | --- |
| Test name | getGridViewItem | |
| condition | There is an image with that path. | There is no image with that path. |
| result | Return GridView | Return nothing |
| note |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| Test name | getAllImagePath | | |
| condition | Directory has images | Directory has no image |  |
| result | Returns the path of all images in the context as an ArrayList<String> | return empty list |  |
| note |  | | |

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| --- | --- | --- |
| Test name | getImagesInDirectory | |
| condition | Each Directory have images | Directory which have no image |
| result | Get Images for each directory | Does not considered. |
| note |  | |

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| --- | --- | --- |
| Test name | getDirectoryTabListViewItem | |
| condition | Directory which has some images. | Directory which have no image |
| result | Show all directory that has image in listview | Does not considered. |
| note |  | |

## 2.3 Synchronizer

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| --- | --- | --- | --- | --- |
| Test name | Synchronizing | | | |
| condition | There are no changes in localStorage. | There are images in local but following tag is not in TagDBManager | All images in local are in TagDBManager | There are tags in TagDBManager but following images are not in local. |
| result | No change. | Get the images from local and add DB the following tags. | Compare and do nothing. | Find the unpaired tags from tagDBManager and delete it. |
| note | It may need some time to synchronizing.  When synchronizing is working, notice will come up. | | | |

## 2.4 TagDBManager

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| --- | --- | --- |
| Test name | getAllImages | |
| condition | Image paths are in TagDBManager | No image path in TagDBManager. |
| result | All Image paths in TagDBManager is getted. | Empty arraylist is getted. |
| note | It shows all images in TagDBManager in gridview | |

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| --- | --- |
| Test name | initTable |
| condition | There are tables in TagDBManager |
| result | Erase the Table and rebuild |
| note |  |

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| --- | --- |
| Test name | getToBeErasedPath |
| condition | When there are deleted images but the path remains in TagDBManager |
| result | Delete remain image path. |
| note |  |

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| --- | --- | --- |
| Test name | insertImagesifnotExist | |
| condition | There are new images in local that does not exist in TagDBManager | There are no new images in local that does not exist in TagDBManager |
| result | Insert image path to TagDBManger. | Not working |
| note |  | |

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| --- | --- | --- |
| Test name | getPathsNotAutoGenerated | |
| condition | If there are images which don’t have following tags. | There are no images which don’t have following tags. |
| result | Return the image paths which don’t have following tags | Return empty arraylist. |
| note |  | |

|  |  |  |
| --- | --- | --- |
| Test name | getAllTags | |
| condition | There are some tags in TagDBManager. | No tags in TagDBManager |
| result | Return repetition removal tags in string arraylist. | Return empty string arraylist. |
| note |  | |

|  |  |  |
| --- | --- | --- |
| Test name | getTagTabListViewItem | |
| condition | There are some tags in TagDBManager | No tags in TagDBManager |
| result | Return repetition removal tags in listviewitem arraylist. | Return empty listviewitem arraylist. |
| note |  | |

|  |  |
| --- | --- |
| Test name | makeTrueTagGenerated |
| condition | Want to know the image has tags |
| result | Return image has tags or not |
| note |  |

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| --- | --- | --- |
| Test name | getTagsByPath | |
| condition | There are images with following tags | There is no tags in the images |
| result | By image path, get tags in String ArrayList | Return Empty String ArrayList |
| note |  | |

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| --- | --- | --- |
| Test name | getRecommendTagList | |
| condition | Get text input from user that similar with saved tags | Get text input from user that not similar with saved tags |
| result | Return the tags that similar with users input text. | Return no tags |
| note |  | |

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| --- | --- | --- |
| Test name | getPathsByTags | |
| condition | There are tags you want to find. | There is no paths following tags. |
| result | Return path string Arraylist that include tags | Return Empty String ArrayList |
| note |  | |

|  |  |
| --- | --- |
| Test name | insertImage |
| condition | There are images you want to insert |
| result | Insert image path to TagDBManager |
| note |  |

|  |  |
| --- | --- |
| Test name | insertTag |
| condition | There are tags you want to insert |
| result | Insert tags to TagDBManager |
| note |  |

|  |  |
| --- | --- |
| Test name | removeImage |
| condition | There are images you want to remove |
| result | Remove image path in TagDBManager |
| note |  |

|  |  |
| --- | --- |
| Test name | removeTag |
| condition | There are tags you want to remove |
| result | Remove tags in TagDBManager |
| note |  |

# 3. Server

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| --- | --- | --- | --- | --- |
| Test name | Server endurance test | | | |
| condition | 0~10 | 10~20 | 20~40 | More than 40 |
| result | It was good. | It was executed normally. | It was running very slowly. | The server crashed. |
| note | Our Server CPU is Intel(R) Core(TM) i5-6400 CPU @ 2.70GHz.  It is not good hardware, so it will perform better on a better server. | | | |