

Unit Test Cases

Disclaimer:

- Throughout the scope of test case, "he" will be used to address user for simplicity, although a user can be either a male or female.
- Since the actual time for developing this project is relatively short, and the structure of the source code is constantly changing, the execution purpose for all unit test cases below is "Release Testing"

Unit Test Cases (Manual)

ID: 01-1

Name: GalleryMenuShowTest_loggedIn

Target: com.utoronto.syncgallery/GalleryActivity.java: onCreateOptionsMenu, onPrepareOptionsMenu

Version: 0.1.1

Date: Feb 24/ 2012

Author: Hitha Dinesh, Sarah Yang

Classification: Unit Testing/ Integration Testing

Description: When user is inside gallery, logged into Dropbox, and he presses the Menu button of the device, four buttons should show up: "Add", "Camera", "Search", "Bump", "Sync", "Logout".

Comment: This test case involves the Dropbox components and thus is also an integration test case.

ID: 01-2

Name: GalleryMenuShowTest_loggedOut

Target: com.utoronto.syncgallery/GalleryActivity.java: onCreateOptionsMenu, onPrepareOptionsMenu

Version: 0.1.1

Date: Feb 24/ 2012

Author: Hitha Dinesh, Sarah Yang

Classification: Unit Testing/ Integration Testing

Description: When user is inside gallery, logged out of Dropbox, and he presses the Menu button of the device, two buttons should show up: "Add", "Camera", "Search", "Bump".

Comment: This test case involves the Dropbox components and thus is also an integration test case.

ID: 02-1

Name: GalleryMenuClickTest_add

Target: com.utoronto.syncgallery/GalleryActivity.java:onOptionsItemSelected

Version: 0.1.0

Date: March 08, 2012

Unit Test Cases

Classification: Unit Testing

Description: When user is inside gallery with the "Menu" button already pressed, and he clicks the "Add" button, the create directory function should be invoked.

Comment: the create directory function will be tested in detail in test case 18.

ID: 02-2

Name: GalleryMenuClickTest_camera

Target: com.utoronto.syncgallery/GalleryActivity.java: onOptionsItemSelected

Version: 0.1.2

Date: Feb 24/ 2012

Author: Hitha Dinesh, Sarah Yang

Classification: Unit Testing

Description: When user is inside gallery with the "Menu" button already pressed, and he clicks the "Camera" button, the built-in camera function should be invoked.

Comment: The actual camera functionality won't be heavily tested because it is built-in. Testers will just check that it can indeed take a picture and store it in the current location, it can retake a photo, and it can quit the camera mode.

ID: 02-3

Name: GalleryMenuClickTest_search

Target: com.utoronto.syncgallery/GalleryActivity.java: onOptionsItemSelected

Version: 0.1.2

Date: Feb 24/ 2012

Author: Hitha Dinesh, Sarah Yang

Classification: Unit Testing

Description: When user is inside gallery with the "Menu" button already pressed, and he clicks the "Search" button, the search function should be invoked.

Comment: See test case 11 for the test case for the actual search function.

ID: 02-3

Name: GalleryMenuClickTest_bump

Target: com.utoronto.syncgallery/GalleryActivity.java: onOptionsItemSelected

Version: 0.1.2

Date: March 09/ 2012

Author: Hitha Dinesh, Sarah Yang

Classification: Unit Testing/ Integration Test

Description: When user is inside gallery with the "Menu" button already pressed, and he clicks the "Bump" button, Bump should warm up and become ready to catch an image.

Comment: See test case 20 for more test cases for Bump. This test case involves the Bump components and thus is also an integration test case.

ID: 02-5

Unit Test Cases

Name: GalleryMenuClickTest_sync

Target: com.utoronto.syncgallery/GalleryActivity.java: onOptionsItemSelected

Version: 0.1.2

Date: Feb 24/ 2012

Author: Hitha Dinesh, Sarah Yang

Classification: Unit Testing / Integration Testing

Description: When user is inside gallery with the "Menu" button already pressed, and he clicks the "Sync" button, the sync function should be invoked.

Comment: This test case involves the Dropbox components and thus is also an integration test case.

ID: 02-6-1

Name: GalleryMenuClickTest_logoutNo

Target: com.utoronto.syncgallery/GalleryActivity.java: onOptionsItemSelected

Version: 0.1.1

Date: Feb 24/ 2012

Author: Hitha Dinesh, Sarah Yang

Classification: Unit Testing/ Integration Testing

Description: When user is inside gallery with the "Menu" button already pressed, and he clicks the "Logout" button, the log out function should be invoked. Specifically, A dialog box should pop up, asking "Are you sure?" along with two buttons: "OK" and "Cancel". When user clicks "Cancel", nothing should happen and user should stay logged in. This can be verified using the method in running test case 3.

Comment: This test case involves the Dropbox components and thus is also an integration test case.

ID: 02-6-2

Name: GalleryMenuClickTest_logoutYes

Target: com.utoronto.syncgallery/GalleryActivity.java: onOptionsItemSelected

Version: 0.1.1

Date: Feb 24/ 2012

Author: Hitha Dinesh, Sarah Yang

Classification: Unit Testing/ Integration Testing

Description: Same situation as in the previous test case. If user presses "Yes", user should be logged out of Dropbox. This can be verified using the method in running test case 3.

Comment: This test case involves the Dropbox components and thus is also an integration test case.

ID: 03-1

Name: HomeConnectClickTest_loggedIn

Target: com.utoronto.syncgallery/GalleryActivity.java: onResume

Version: 0.1.1

Unit Test Cases

Date: Feb 24/ 2012

Author: Hitha Dinesh, Sarah Yang

Classification: Unit Testing / Integration Testing

Description: If user is logged into Dropbox and he opens the app, then when "Connect" button is clicked, he should be directed to gallery.

Comment: This test case involves the Dropbox components and thus is also an integration test case.

ID: 03-2

Name: HomeConnectClickTest_loggedOut

Target: com.utoronto.syncgallery/GalleryActivity.java: onResume

Version: 0.1.1

Date: Feb 24 2012

Author: Hitha Dinesh, Sarah Yang

Classification: Unit Testing / Integration Testing

Description: If user is not logged into Dropbox and he opens the app, then when "Connect" button is clicked, he should be directed to Dropbox login page.

Comment: This test case involves the Dropbox components and thus is also an integration test case.

ID: 04-1

Name: GalleryItemClickTest_directory

Target: com.utoronto.syncgallery/GalleryActivity.java: onItemClick

Version: 0.1.0

Date: Feb 24, 2012

Author: Sarah Yang

Classification: Unit Testing

Description: When user is inside gallery and he clicks a directory icon, he will navigates to the directory represented by the clicked icon.

ID: 04-2

Name: GalleryItemClickTest_image

Target: com.utoronto.syncgallery/GalleryActivity.java: onItemClick

Version: 0.1.0

Date: Feb 24, 2012

Author: Sarah Yang

Classification: Unit Testing

Description: When user is inside gallery and he clicks an image thumbnail, the image represented by the clicked thumbnail will be displayed in full screen.

Comment: User can also use two fingers to zoom in and out the currently displayed image.

ID: 05-1

Unit Test Cases

Name: GalleryItemLongClickTest_directory

Target: com.utoronto.syncgallery/GalleryActivity.java: onItemLongClick

Version: 0.1.0

Date: Feb 24, 2012

Author: Sarah Yang

Classification: Unit Testing

Description: When user is inside gallery and he long-clicks a directory icon, a dialog box should pop up with three options: "Delete", "Rename", "Properties". Each of these three functions should be invoked if selected.

Comment: See test case 14 for testing delete. See test case 15 for testing rename. See test case 19 for testing show properties.

ID: 05-2-1

Name: GalleryItemLongClickTest_imageNotInSyncGallery

Target: com.utoronto.syncgallery/GalleryActivity.java: onItemLongClick

Version: 0.1.0

Date: Feb 24, 2012

Author: Sarah Yang

Classification: Unit Testing

Description: When user is inside gallery and he long-clicks an image thumbnail (an image that's not currently in the SyncGallery folder), a dialog box should pop up with five options: "Delete", "Share", "Move to SyncGallery", "Rename", "Properties". Each of these five functions should be invoked if selected.

Comment: See test case for 14 for testing delete. See test case 15 for testing rename. See test case 16 for testing move to SyncGallery. See test case 17 for testing share. See test case 19 for testing show properties.

ID: 05-2-2

Name: GalleryItemLongClickTest_imageInSyncGallery

Target: com.utoronto.syncgallery/GalleryActivity.java: onItemLongClick

Version: 0.1.0

Date: Feb 24, 2012

Author: Sarah Yang

Classification: Unit Testing

Description: When user is inside gallery and he long-clicks an image thumbnail (an image that's currently in the SyncGallery folder), a dialog box should pop up with four options: "Delete", "Share", "Rename", "Properties". Each of these four functions should be invoked if selected.

Comment: See test case for 14 for testing delete. See test case 15 for testing rename. See test case 17 for testing share. See test case 19 for testing show properties.

ID: 06

Name: CurrentDirectoryViewTest

Unit Test Cases

Target: com.utoronto.syncgallery/GalleryActivity.java: browseTo, CreateThumbTask(class);
com.utoronto.syncgallery.adapter/IconAdapter.java: getView, getIconBitmap;
com.utoronto.syncgallery.utils/ImageManagement.java: getImageThumbnail, saveBitMap

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user is inside the gallery, he will be able to view the contents of any directory. In the current directory, he can see all the directory icons and image thumbnails (each thumbnail represent one item). There are three different types of icons/thumbnails: parent directory icon, child directory icon, and image thumbnail. For each parent directory, the icon is a folder with an arrow at the bottom. For each child directory, the icon is just a plain folder. For each image, the thumbnail is a smaller version of the image. Most importantly, the icons/thumbnails should always be there.

Comment: There are too many small components that are associated with this functionality and most of the small components is challenging to be tested alone. Therefore, we have decided to instead do a functional testing for this functionality.

ID: 07-1

Name: GalleryBackClickTest_noParent

Target: com.utoronto.syncgallery/GalleryActivity.java:

Version: 0.1.0

Date: Feb 24, 2012

Author: Sarah Yang

Classification: Unit Testing

Description: When user is in gallery and presses the "Back" button of the device, if the current directory has no parent directory, then the welcome screen will be displayed.

ID: 07-2

Name: GalleryBackClickTest_withParentNotEntry

Version: 0.1.0

Date: Feb 24, 2012

Author: Sarah Yang

Classification: Unit Testing

Description: When user is in gallery and presses the "Back" button of the device, if the current directory has a parent directory and the current directory is not the default entry directory, then contents from the parent directory will be displayed.

ID: 07-3

Name: GalleryBackClickTest_entryDirectory

Version: 0.1.0

Date: Feb 24, 2012

Unit Test Cases

Author: Sarah Yang

Classification: Unit Testing

Description: When user is in gallery and presses the "Back" button of the device, if the current directory is the default entry directory, then the welcome screen will be displayed.

ID: 08

Name: GalleryImageMenuShowTest

Target: com.utoronto.syncgallery/ViewpicActivity.java: onCreateOptionsMenu

Version: 0.1.0

Date: Feb 24, 2012

Author: Sarah Yang

Classification: Unit Testing

Description: When user is in gallery and an image is currently displayed in full screen, if he presses the "Menu" button of the device, an "Edit" button should appear on screen.

ID: 09

Name: GalleryImageMenuClickTest

Target: com.utoronto.syncgallery/ViewpicActivity.java: onOptionsItemSelected

Version: 0.1.0

Date: Feb 24, 2012

Author: Sarah Yang

Classification: Unit Testing/ Integration Testing

Description: When use is in gallery with an image currently displayed in full screen and the "Menu" button of the device already pressed, if he clicks the "Edit" button that appeared, the Aviary photo editing function should be invoked. Specifically, the app will immediately show the Aviary user interface for photo editing.

Comment: This test case involves the Aviary components and thus is also an integration test case. In addition, the Aviary components won't be heavily tested according to unit test cases because this components is implement by a third party. Since there are too many functionalities involved in Aviary, testers will instead play around with this component to make sure that everything is fine.

ID: 10

Name: GalleryAviaryResultTest

Target: com.utoronto.syncgallery/ViewpicActivity.java: onActivityResult

Version: 0.1.0

Date: Feb 24, 2012

Author: Sarah Yang

Classification: Unit Testing/ Integration Testing

Description: If user successfully exited Aviary, the edited image should be saved (with "new_" appended to the front of the original name string) and displayed in full screen immediately after he clicks the "Done" button in Aviary.

Unit Test Cases

Comment: This test case involves the Aviary components, and thus is also an integration test case.

ID: 11-1

Name: SearchTest_KeywordNotNullAndResultNotNull

Target: com.utoronto.syncgallery/SearchActivity.java

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user enters the a non-empty keyword in the search bar and clicks the search button, the thumbnails of the results should be displayed if the result is not NULL. Results are the image files in the current directory containing the keyword in their filenames.

Comment: Since the target file do all operations for the search functionality and there are some one-liner functions, they will be tested as a whole.

ID: 11-2

Name: SearchTest_resultNull

Target: com.utoronto.syncgallery/SearchActivity.java

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user enters the keyword in the search bar, if no image file matches the keyword, no thumbnail should be displayed.

Comment: Since the target file do all operations for the search functionality and there are some one-liner functions, they will be tested as a whole.

ID: 11-3

Name: SearchTest_illegalName

Target: com.utoronto.syncgallery/SearchActivity.java

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user enters the keyword with one or more illegal characters in the search bar and clicks the search button, nothing should be returned. More importantly, SyncGallery+ shouldn't crash.

Comment: Since the target file do all operations for the search functionality and there are some one-liner functions, they will be tested as a whole.

ID: 11-4

Unit Test Cases

Name: SearchTest_keywordNull

Target: com.utoronto.syncgallery/SearchActivity.java

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user enters nothing and clicks the search button, nothing should happen. This implies that non-empty keyword is not allowed.

Comment: Since the target file do all operations for the search functionality and there are some one-liner functions, they will be tested as a whole.

ID: 12-1

Name: GallerySyncTest_oldLocalNewDropboxButDeleted

Target: com.utoronto.syncgallery.async_task/DropboxSyncTask.java: directory, download, upload, check

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing/ Integration Testing

Description: If an image in the local (actually means local SyncGallery directory) directory is older than its copy in the Dropbox directory (actually means Dropbox SyncGallery+ directory) but it has been deleted from Dropbox, after a successful sync, this image should be deleted from the local directory as well.

Comment: This test case involves the Dropbox components, and thus is also an integration test case.

ID: 12-2

Name: GallerySyncTest_oldLocalNewDropboxAndExist

Target: com.utoronto.syncgallery.async_task/DropboxSyncTask.java: directory, download, upload, check

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing/ Integration Testing

Description: If an image in the local directory is older than its copy in the Dropbox directory (it means the image is out-of-date locally), after a successful sync, this image in the local directory should be updated.

Comment: This test case involves the Dropbox components, and thus is also an integration test case.

ID: 12-3

Name: GallerySyncTest_newLocalOldDropbox

Unit Test Cases

Target: com.utoronto.syncgallery.async_task/DropboxSyncTask.java: directory, download, upload, check

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing/ Integration Testing

Description: If an image is in the local directory is newer than its copy in the Dropbox directory (it's out-of-date on Dropbox), after a successful sync, this image should be updated on Dropbox.

Comment: This test case involves the Dropbox components, and thus is also an integration test case.

ID: 12-4

Name: GallerySyncTest_inLocalButNotOnDropbox

Target: com.utoronto.syncgallery.async_task/DropboxSyncTask.java: directory, download, upload, check

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing/ Integration Testing

Description: If an image exists in the local directory but not in the Dropbox directory, after a successful sync, this image should be created on Dropbox.

Comment: This test case involves the Dropbox components, and thus is also an integration test case.

ID: 12-5

Name: GallerySyncTest_notInLocalButOnDropbox

Target: com.utoronto.syncgallery.async_task/DropboxSyncTask.java: directory, download, upload, check

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing/ Integration Testing

Description: If an image exists on Dropbox but not in the local directory, after a successful sync, this image should be created locally.

Comment: This test case involves the Dropbox components, and thus is also an integration test case.

ID: 12-6

Name: GallerySyncTest_fileNotImageOrDirectory

Target: com.utoronto.syncgallery.async_task/DropboxSyncTask.java: directory, download, upload, check

Version: 0.1.1

Unit Test Cases

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing/ Integration Testing

Description: If a file detected in the local directory or the Dropbox directory is neither an image nor a directory, after a sync, nothing will happen.

Comment: This test case involves the Dropbox components, and thus is also an integration test case.

ID: 13-1

Name: GallerySyncNotificationTest_during

Target: com.utoronto.syncgallery.async_task/DropboxSyncTask.java: onPreExecute

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing/ Integration Testing

Description: During the process of a sync, a notification bar should show, indicating "Syncing..."

Comment: This test case involves the Dropbox components, and thus is also an integration test case.

ID: 13-2

Name: GallerySyncNotificationTest_done

Target: com.utoronto.syncgallery.async_task/DropboxSyncTask.java: onPostExecute

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing/ Integration Testing

Description: Upon a successful sync, the notification message should be updated to "Synced".

Comment: This test case involves the Dropbox components, and thus is also an integration test case.

ID: 14-1-1

Name: GalleryImageDeleteTest_yes

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: delete; ImageManagement.java: delete

Version: 0.1.0

Date: Feb 26, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected an image for deleting and he clicked "Yes" when the app prompted "Are you sure?", the image should be deleted, along with its thumbnail.

ID: 14-1-2

Unit Test Cases

Name: GalleryImageDeleteTest_no

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: delete; ImageManagement.java: delete

Version: 0.1.0

Date: Feb 26, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected an image for deleting and he clicked "No" when the app prompted "Are you sure?", nothing should happen.

ID: 14-2-1

Name: GalleryEmptyDirectoryDeleteTest_yes

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: delete; FileManagement.java: delete

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected an empty directory for deleting and he clicks "Yes" when the app prompted "Are you sure?", the selected directory should be deleted.

ID: 14-2-2

Name: GalleryNonEmptyDirectoryDeleteTest_yes

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: delete; FileManagement.java: delete

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected a non-empty directory for deleting and he clicks "Yes" when the app prompted "Are you sure?", an error message should pop up, saying "Deletion failed! Please delete all the files in the folder!".

ID: 14-2-3

Name: GalleryDirectoryDeleteTest_no

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: delete; FileManagement.java: delete

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Unit Test Cases

Description: When user has selected a directory for deleting and he clicks "No" when the app prompted "Are you sure?", nothing should happen.

ID: 15-1-1

Name: GalleryImageRenameTest_yesWithLegalName

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: rename; ImageManagement.java: rename

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected an image for renaming, if he gives a "legal" name (name that doesn't contain a single character in "|\\?*<\">+[]/" and doesn't conflict with any other file in the current directory) and clicks "OK", the new image name should be updated along with its thumbnail name.

ID: 15-1-2

Name: GalleryImageRenameTest_yesWithIllegalName

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: rename; ImageManagement.java: rename

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected an image for renaming, if he gives a string containing one or more characters in "|\\?*<\">+[]/" and clicks "OK", he should get an error message saying "New name contains invalid characters!"

ID: 15-1-3

Name: GalleryImageRenameTest_yesWithConflictedName

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: rename; ImageManagement.java: rename

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected an image for renaming, if he gives a string that is the same as another file name and clicks "OK", user should get an error message saying "A file with the same name already exists in the current folder!"

ID: 15-1-4

Name: GalleryImageRenameTest_cancel

Unit Test Cases

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: rename; Image Management.java: rename

Version: 0.1.

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected an image for renaming and clicks "Cancel", nothing should happen.

ID: 15-2-1

Name: GalleryDirectoryRenameTest_yesWithLegalName

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: rename; FileManagement.java: rename

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected a directory for renaming, if he gives a legal name and clicks "OK", the new directory name should be updated.

ID: 15-2-2

Name: GalleryDirectoryRenameTest_yesWithIllegalName

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: rename; FileManagement.java: rename

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected a directory for renaming, if he gives a string containing one or more illegal characters and clicks "OK", he should get an error message saying "New name contains invalid characters".

ID: 15-2-3

Name: GalleryDirectoryRenameTest_yesWithConflictedName

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: rename; FileManagement.java: rename

Version: 0.1.1

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Unit Test Cases

Description: When user has selected a directory for renaming, if he gives a string that is the same as another file name and clicks "OK", user should get an error message saying "A file with the same name already exists in the current folder!".

ID: 15-2-4

Name: GalleryDirectoryRenameTest_cancel

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: rename; File Management.java: rename

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected a directory for renaming and clicks "Cancel", nothing should happen.

ID: 16-1

Name: GalleryImageMoveTest_normal

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: move; ImageManagement.java: move_to_gallery

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/Functional Testing

Description: When user has selected an image for moving to gallery, if the image is writable and there is no image under the same name in the SyncGallery directory, then the image should be moved to the SyncGallery directory.

ID: 16-2

Name: GalleryImageMoveTest_notWritable

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: move; ImageManagement.java: move_to_gallery

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/Functional Testing

Description: When user has selected an image for moving to gallery, if the image is not writable, then a warning message should be displayed, saying "The current file is not writable!".

ID: 16-3

Name: GalleryImageMoveTest_sameName

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: move; ImageManagement.java: move_to_gallery

Unit Test Cases

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/Functional Testing

Description: When user has selected an image for moving to gallery, if there is an image under the same name in the SyncGallery directory, then an error message should be displayed, saying "A file with the same name already exists in SyncGallery folder!".

ID: 17

Name: GalleryImageShareTest

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: share

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected an image for sharing, it will invoke Android's default share operation.

Comment: Because this involves one of Android's default functionality, there won't be heavy testing for this specific function. Testers will only select sharing method randomly to check that it works (e.g. sharing via Gmail).

ID: 18-1

Name: GalleryCreateFolderTest_legalName

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: create_folder;
FileManagement.java: create_folder; ImageManagement.java: create_folder

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected an image or a directory for creating a new directory, if the name string he provides is a legal name, then a new directory with the given name will be created in the current directory.

ID: 18-2

Name: GalleryCreateFolderTest_sameName

Target: com.utoronto.syncgallery/GalleryActivity.java: onOptionsItemSelected;
com.utoronto.syncgallery.utils/GalleryOperations.java: create_folder; FileManagement.java: create_folder

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Unit Test Cases

Description: When user has selected an image or a directory for creating a new directory, if there already is a directory under the same name in the current directory, then an error message should be displayed, saying "The folder already exists!".

ID: 18-3

Name: GalleryCreateFolderTest_illegalName

Target: com.utoronto.syncgallery/GalleryActivity.java: onOptionsItemSelected;
com.utoronto.syncgallery.utils/GalleryOperations.java: create_folder; FileManagement.java:
create_folder

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected an image or a directory for creating a new directory, if the name string he provides a name string containing one or more illegal characters, then an error message should be displayed, saying "New name contains invalid characters!".

ID: 19-1

Name: GalleryImageShowProperty

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: show_properties;
ImageManagement: show_properties

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected an image for showing properties, a dialog box should pop up, displaying the full file name, path, and size in separate lines.

Comment: This will be done by comparing the details information provided when checking the same image file on a computer.

ID: 19-2

Name: GalleryDirectoryShowProperty

Target: com.utoronto.syncgallery.utils/GalleryOperations.java: show_properties;
FileManagement: show_properties

Version: 0.1.0

Date: Feb 25, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user has selected a directory for showing properties, a dialog box should pop up, displaying the full file name and path in separate lines.

Comment: This will be done by comparing the details information provided when checking the same image file on a computer.

Unit Test Cases

ID: 20-1

Name: Bump_throw

Target: Bump features

Version: 0.1.0

Date: March 09, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When user is in gallery and has an image displayed in full screen, if he shakes the device (as if he is about to throw the image to someone), after the vibration, Bump should be warmed up and ready to bump.

Comment: This test case involves the Bump components, and thus is also an integration test case.

ID: 20-2

Name: Bump_bump

Target: Bump features

Version: 0.1.0

Date: March 09, 2012

Author: Sarah Yang

Classification: Unit Testing/ Functional Testing

Description: When both the thrower and catcher's devices become ready to bump, if both users followed the correct bumping gesture, the selected image should be sent from the thrower's device to the catcher's device.

Comment: This test case involves the Bump components, and thus is also an integration test case.