Multiple - image viewer
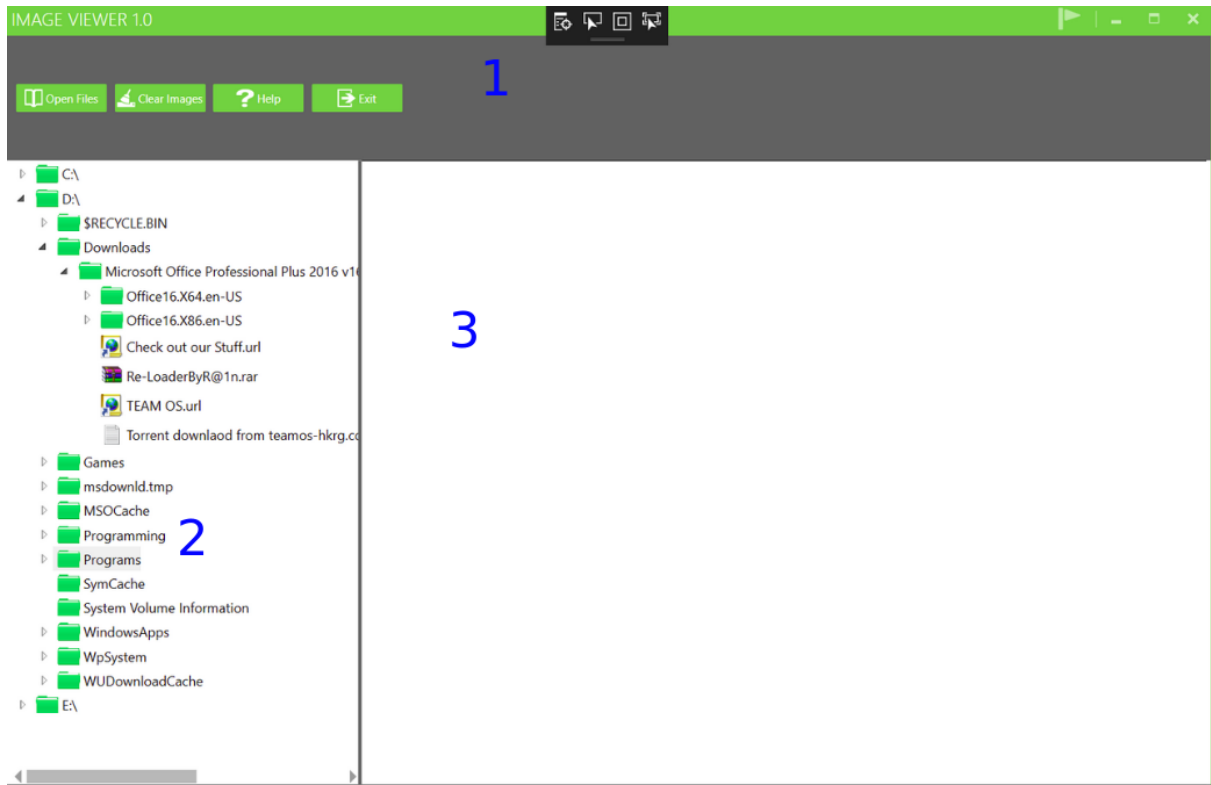# Task 3
Application window view

1. AppBar
    1.1. Open Files
    1.2. Clear images
    1.3. Help
    1.4. View storage / Main view
    1.5. Exit
2. Folder tree view
    2.1. File highlight
    2.2. Multiple selector
3. WorkArea
    3.1. Fullscreen view
        3.1.1. Zoom
        3.1.2. Translation
        3.1.3. Select region
            3.1.3.1. Get details about region
            3.1.3.2. Save to file / storage view

Window view details

1.1 - Used to display selected files in workarea (Min selected files - 0, Max selected files - 9)

1.2 - Used to clear all images in WorkArea and views in storage

1.3 - Display all helpful informations about application.

1.4 - View storage display all snippet views with their names. Max 7,8 items on list. Gallery will be displayed in WorkArea, so "View storage" button should be changed to "Main view" after choosing in order to get back to initial position.

1.5 - Quits application

2.1 - File highlight allows to choose files in range between 1 and 9

3.1 - Applies whenever user choose file, work area instead of matrix of images becomes fullscreen image with new set of operations possible.

3.2 - Basic view created on chosen files. Display doesn't have to be filled with 9 images at once.

3.3 - Shows set of snippet regions of images with their names

List of functionalities

1. Main functionalities

1.1 Loading pictures with different formats. **JPEG, BMP, PNG, GIF.** List of most common extensions. No need to use all of them for now.

File Extension	File Type	Popularity
.PSD	Adobe Photoshop Document	★★★★⯪
.JPG	JPEG Image	★★★★☆
.PNG	Portable Network Graphic	★★★★☆
.JPEG	JPEG Image	★★★★☆
.TGA	Targa Graphic	★★★★☆
.GIF	Graphical Interchange Format File	★★★★☆
.PISKEL	Piskel Sprite	★★★★☆
.XCF	GIMP Image File	★★★★☆
.CT	Scitex Continuous Tone File	★★★★☆

List of possible formats - 4 of them mentioned above are obligatory.
The rest will be discussed.

1.2 Materials for simple help in application

1.3 Handling proper exit

1.4 Saving actual state of appliction (cached last position - opened files, views etc)

1.5 Cleaning list of files with corresponding regions to them

2. WorkArea in default view

2.1 Layout consists of 3 x 3 images (matrix filled with photos). Each listed image will be described by name + resolution. (Extension is not required)
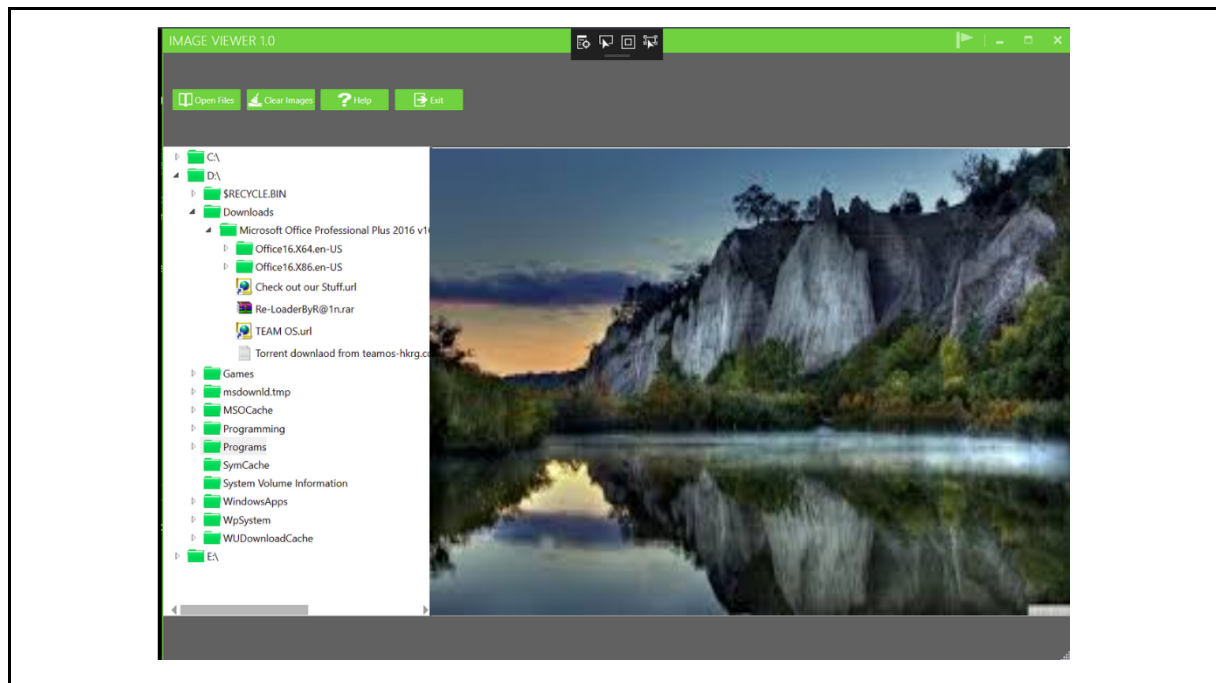

View of image in matrix

2.2 Display selected file on fullscreen view

     2.2.1 Hide image list

     2.2.2 Open image in fullscreen

2.3 Change name of file

3. WorkArea in fullscreen view

3.1 Saving region of image on which we're currently working can be done in two ways:
- Exporting to file with the root extension (Extension of initial file)
- Temporary stored in view storage

3.2 Zooming and translation selected region

3.3 Displaying region properties

       3.3.1 Size

       3.3.2 Average, Min, Max, deviation

3.4 Move to next region (in case of opened stored region)

3.5 Move to next file in list (in case of opened file)

4. WorkArea in storage view

4.1 Displaying saved regions (memory)

4.2 Save specified region to file (directory chosen in file tree view)

4.3 WorkArea view similar to main view with loaded files

4.4 Changing name of file