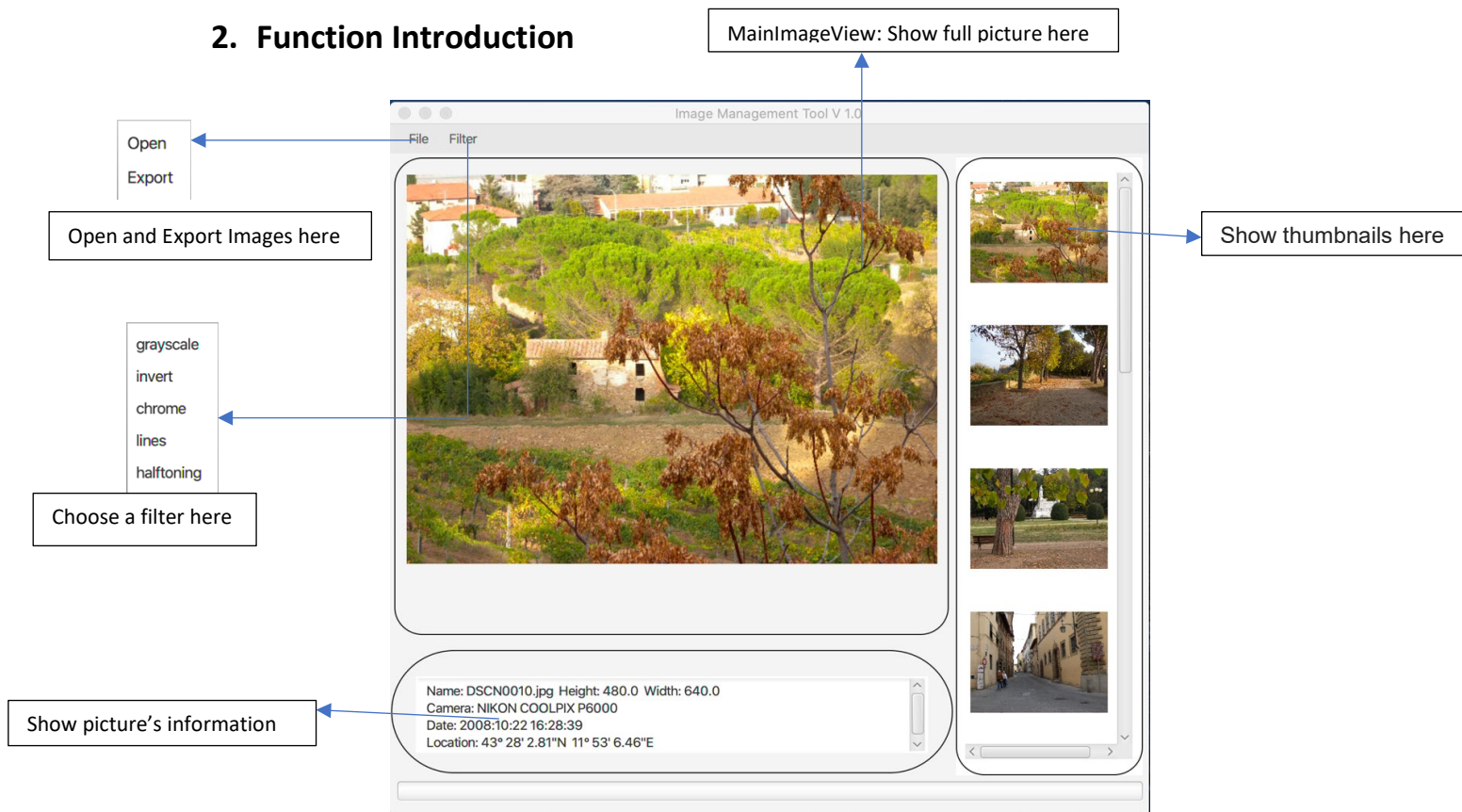


Final Project: Image Management Tool

1. Group Members and Work Division

Member	NUID	Division
Zhengrui Liu	001080986	Front End Design and Implementation, Opening and Exporting Pictures, Displaying Picture Information
Yahui Liu	001053167	Implementation of image format conversion, Adding Filters for Images

2. Function Introduction



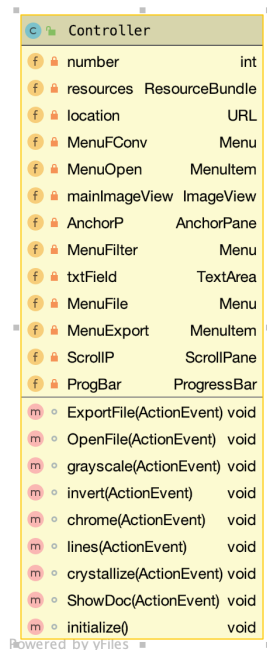
Points:

When click the thumbnail, the main Imageview will show the full picture and the text area will show the information.

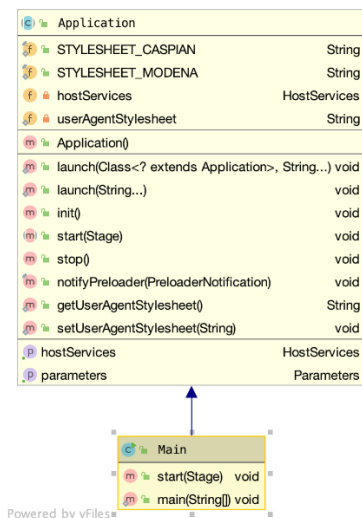
3. Program Information

1). Java Class Diagram:

① Controller:



② Main



2). Design Patten: MVC

3). External Interfaces:

① junit-4.13-rc-2.jar: Support GPS locating.

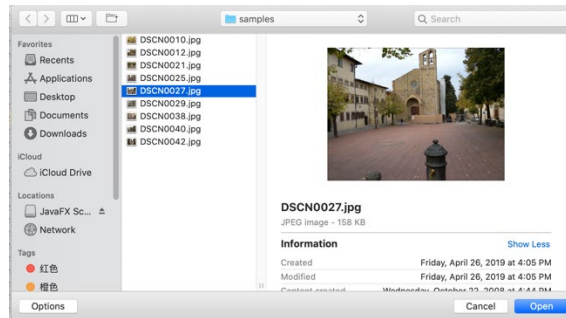
② metadata-extractor-2.12.0.jar: Support getting full set of information from a image

③ xmpcore-6.1.10.jar: Support GPS locating.

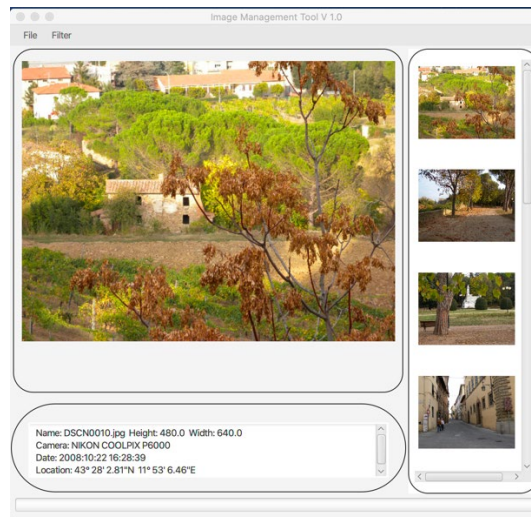
④ Filter.jar: Support adding filters to images.

4. Test Result

1). Open and Display

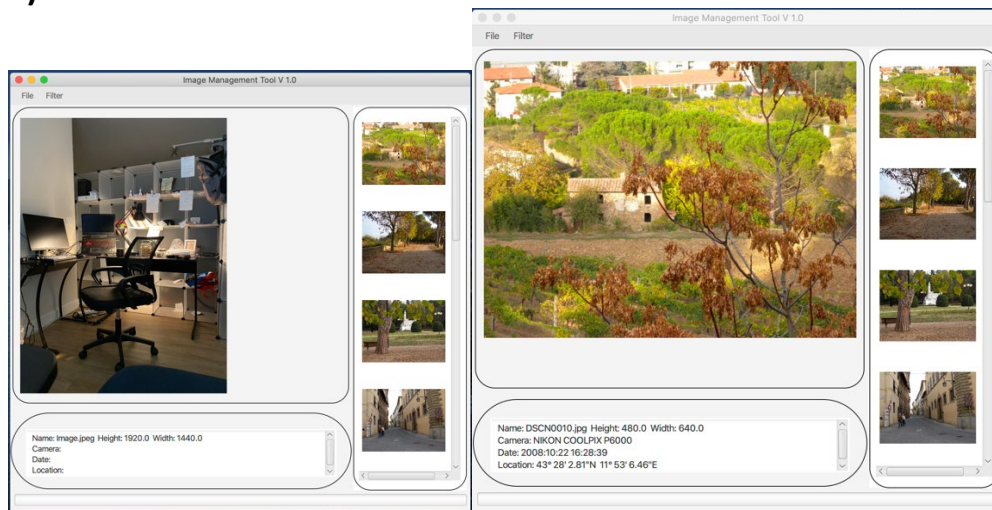


Open pictures



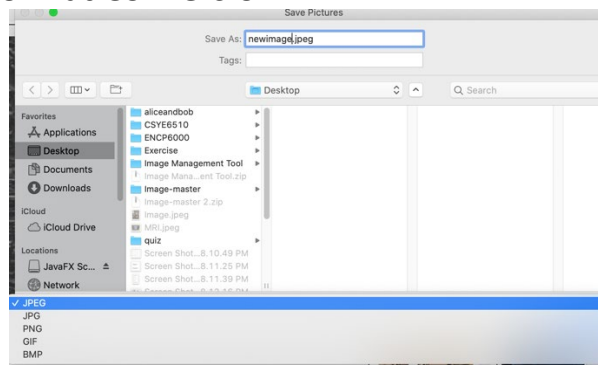
Display

2). Show Information



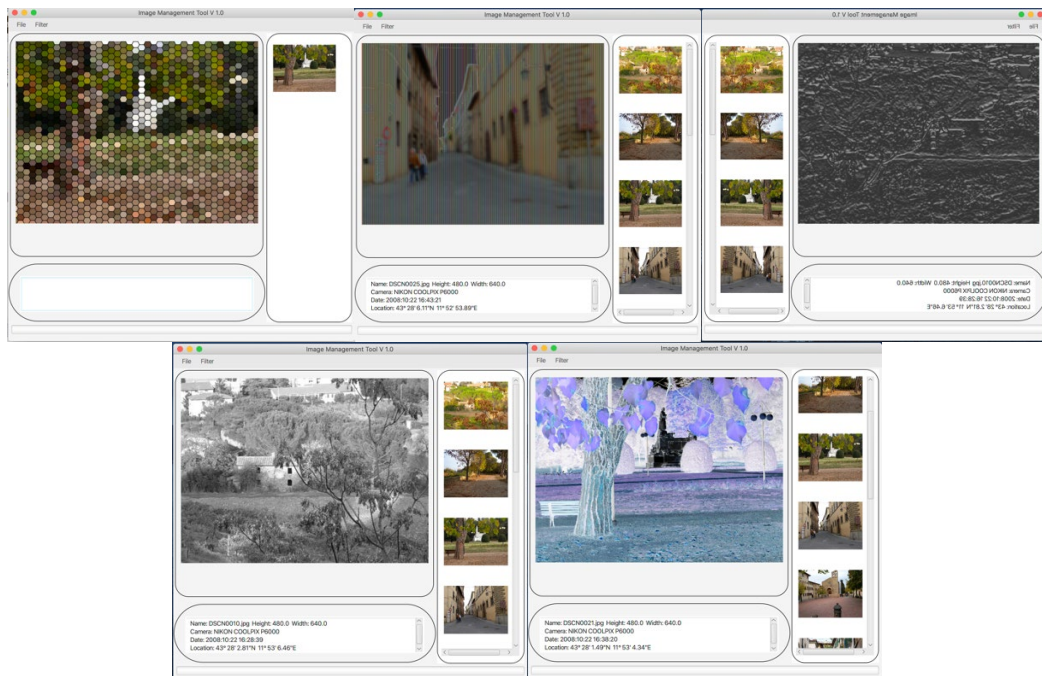
Show name, camera, date and location on screen

3). Export and Format Conversion



Export a picture and select a target format

4). Add Filter



5 kinds of filters