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

MainImageView: Show full picture here

Open and Export Images here

Choose a filter here

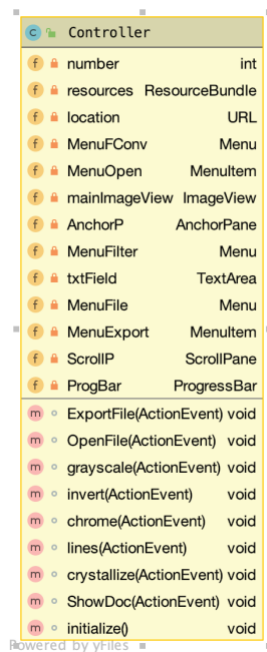Show picture's information

Show thumbnails here
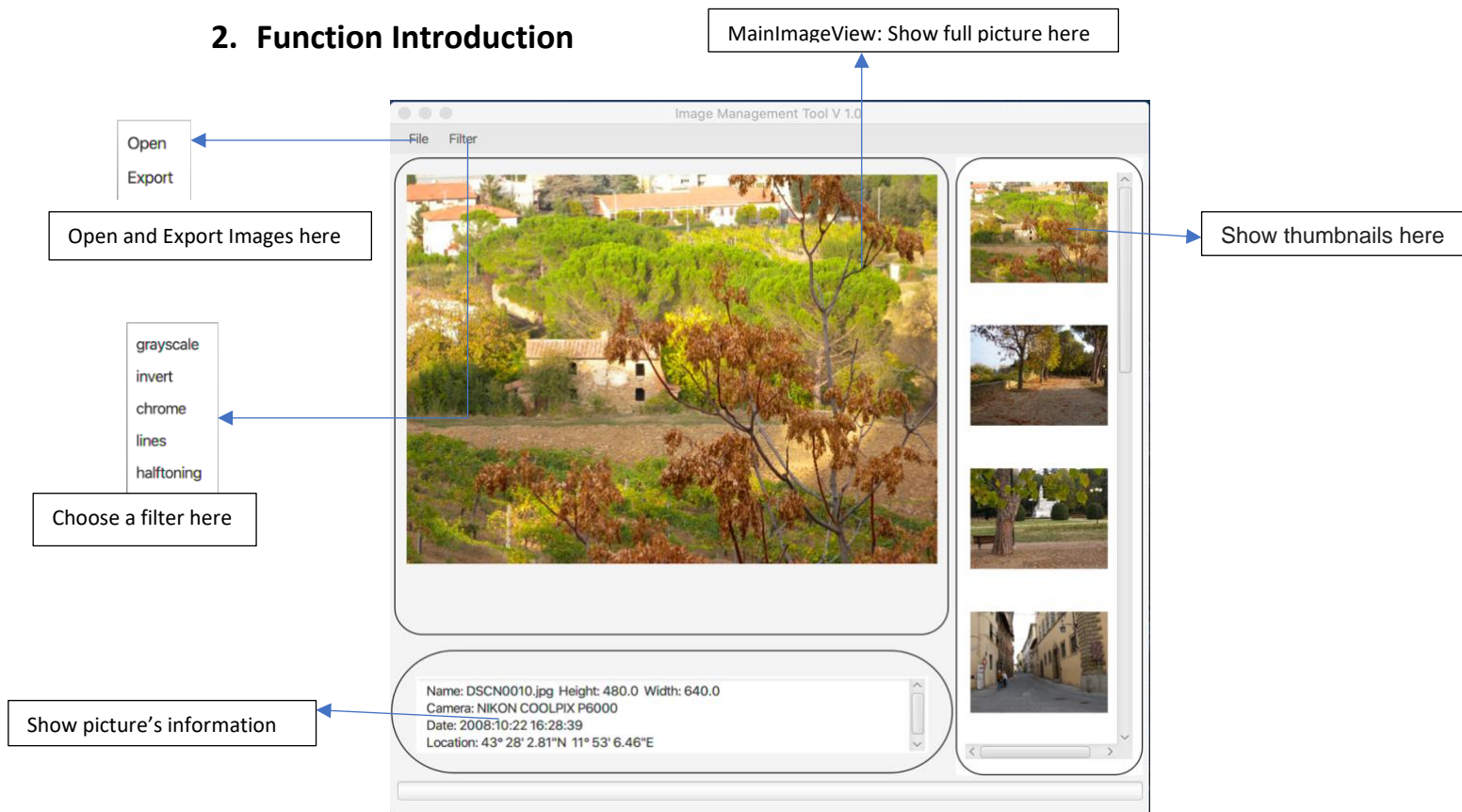
Points:

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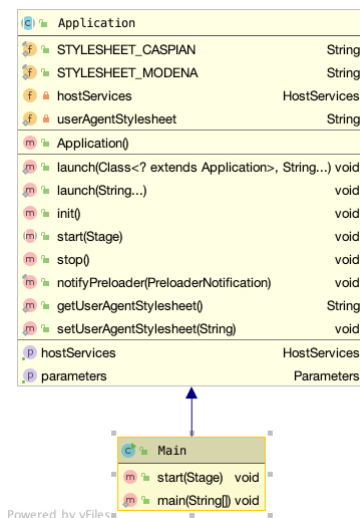
3. Program Information

1). Java Class Diagram:
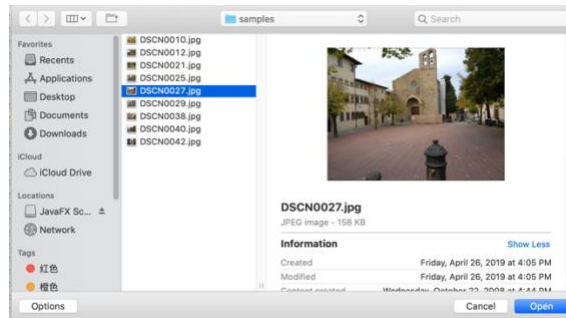
① Controller:

②Main
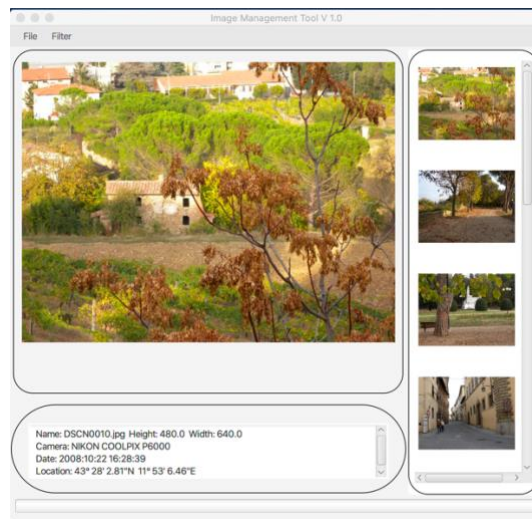

2). Design Patten: MVC

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.

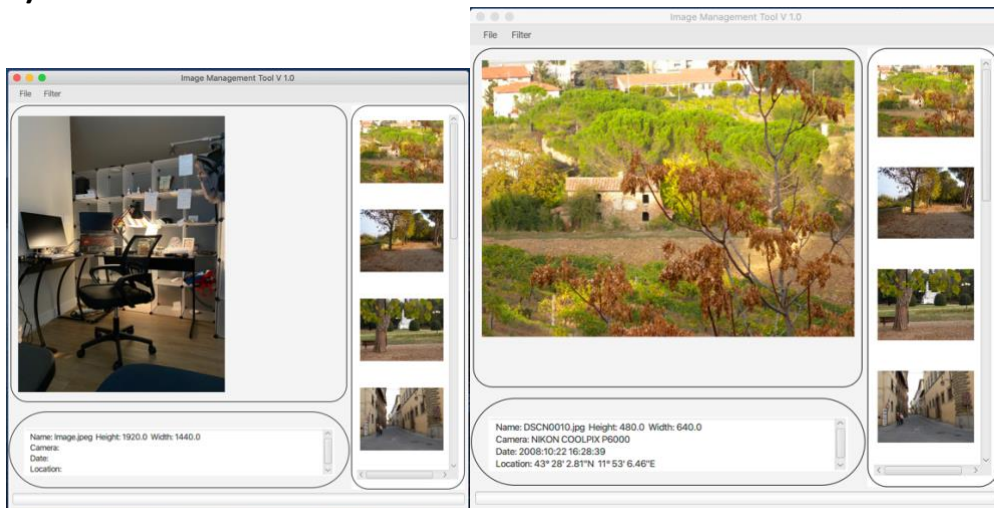## 4. Test Result
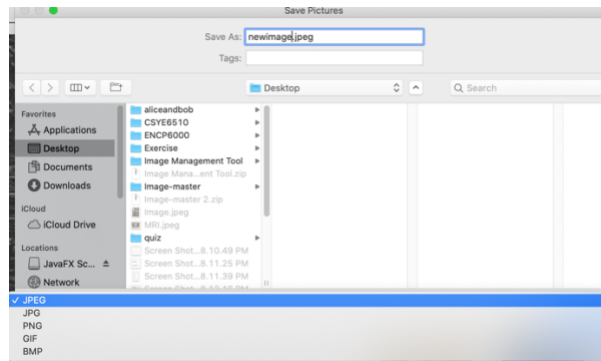### 1). Open and Display

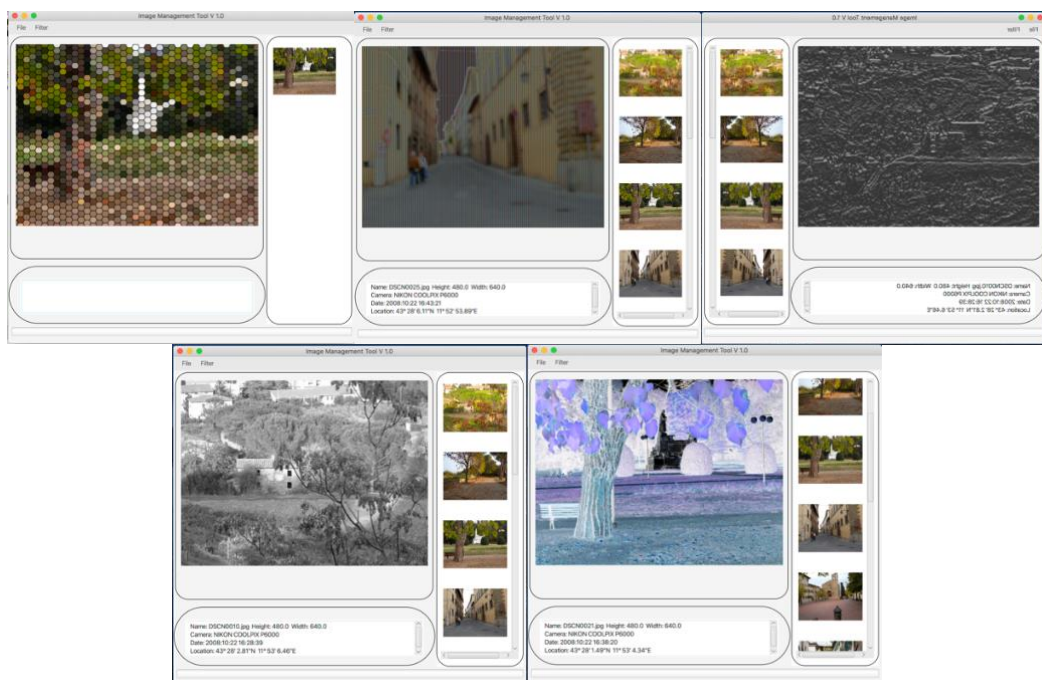Open pictures

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