

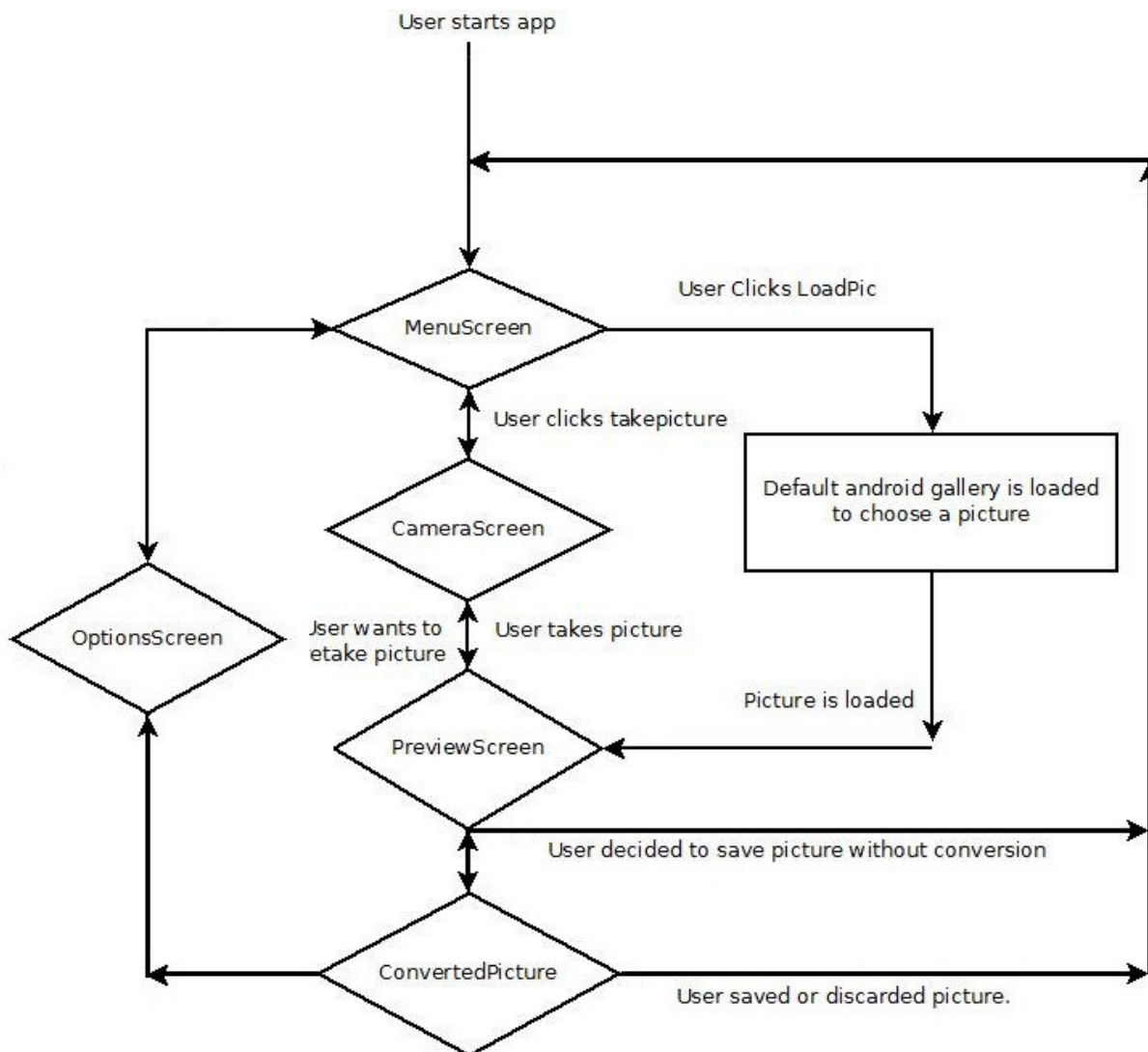
## Developer manual AsciiCam

AsciiCam is an application developed mainly for android phones running version 2.2 or above. In order to start developing from this project, please do the following:

- Clone workspace from <https://github.com/Ossianm/Grupp29AsciiCam> .
- Install development software Eclipse, Android SDK, Android AVD (For testing), Java SE6 and all android addons for eclipse.
- Create a new testproject for Grupp29AsciiCam named AsciiCamTest and copy all inside test folder to the project.

### Application flow

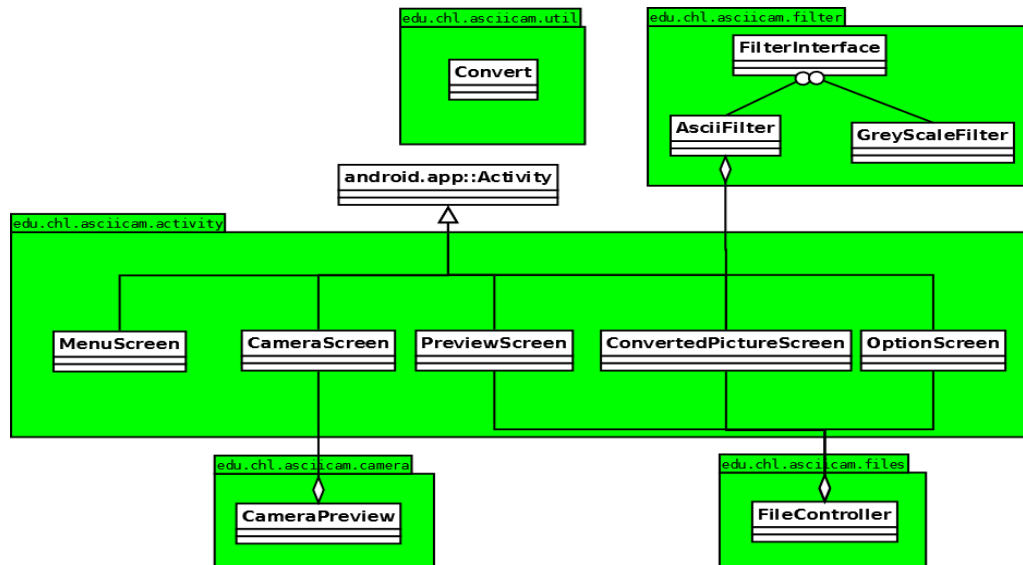
Below is a flowchart diagram which describes how the application is intended to work for a user:



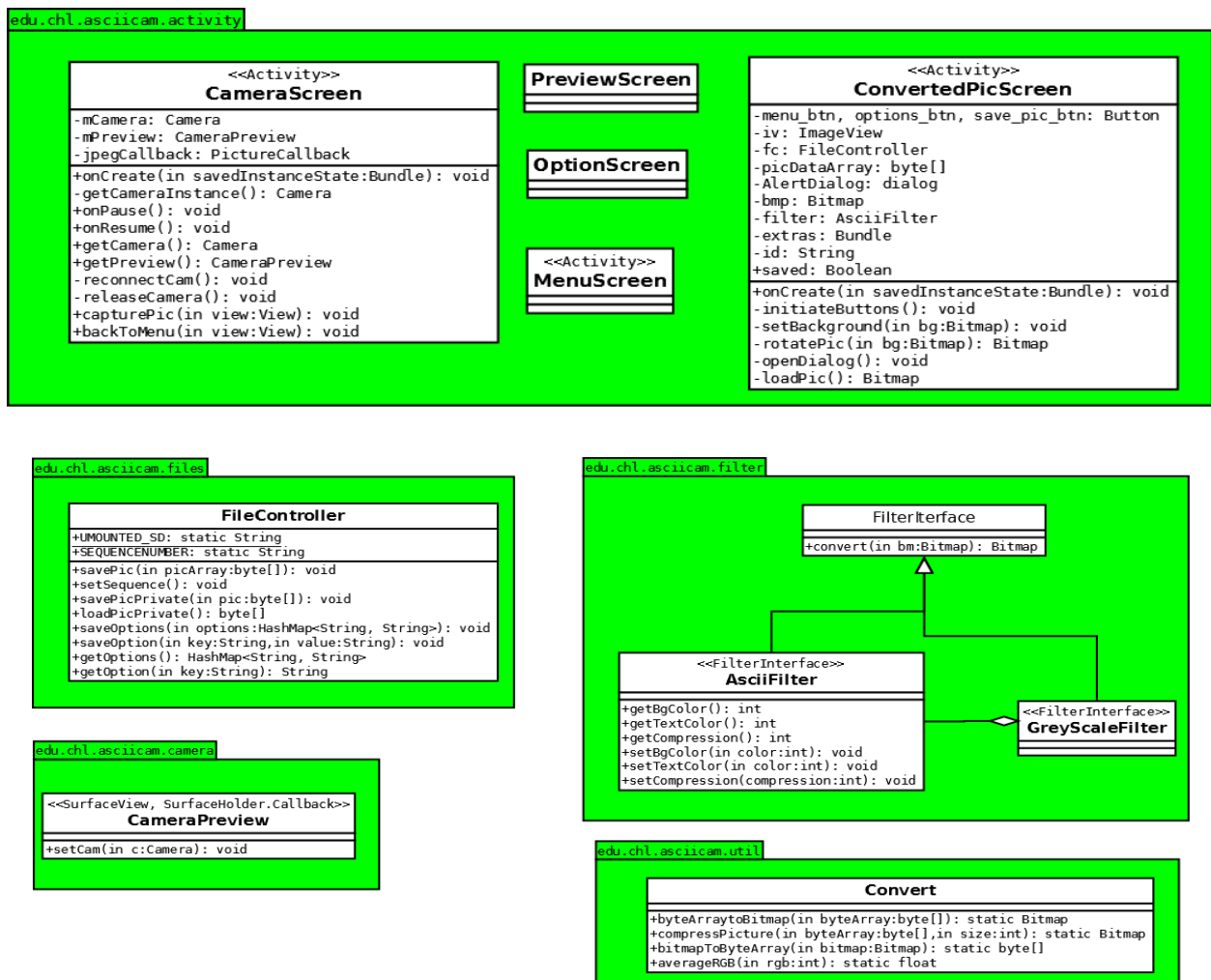
All diamond cells are intended to be Activities using android API or custom made APIs to perform tasks.

# Class Model

UML for project:



Packages in the project:



As we can see in the chart, the intention is to create 3 APIs, one for camera, one for filehandling and one for the filter. The rest of the coding should be handled by public APIs in the activities.

## **Testing**

It is really important to create a new android test project for testing.

In Eclipse choose New --> Other --> Android --> Android Test Project and name it AsciiCamTest.

The source code for testing is included in github repository

(<https://github.com/Ossianm/Grupp29AsciiCam/tree/master/test/src/edu/chl/asciiCam/activity/test> )

under the test folder but it will not compile and run without being imported to a test project. It is also important to note that a AVD (Android Virtual Device) or a phone connected by USB is required to run the test project.