Name: Jianguo Liu

Student number: s2109458

Reason: The two methods start() and select() in the controller are asynchronous methods.
These two methods cannot run serially. One method needs to be triggered by the other
method. But the method of CacheProxy here can be performed synchronously. Once you
request this, there must be a response result, but the controller needs to be driven by
other behaviors, for example, when you click a button, the behavior of selecting an image
will be triggered.

Modification: You can only unit test one object selection at a time, meaningful test method name, explain the reason of failure in the assert call, a unit test is equal to one @Test method, test anything that may fail, let the test improve the code, and make the exception test more Easy to read, always explain the reason for skipped tests, same package, separate directory.

2. Reason: Because of this use, it is possible that the two proxy services are CatheProxy, and then the same picture object is stored, resulting in a waste of time and space, and in some cases, the photos provided by the previous proxy service The subject attribute cannot find this field in the latter proxy service. For example, the subject pictures of IPPO and Wiki are different.

The solution is to forbid the random proxy service to use CatheProxy, rewrite the getPicture method in Random. And now look in the cache, if there is a cache, then directly return to the cache, if it does not exist, download it in the random service, and put the downloaded object to the cathe, you can take it out directly next time you use it. You also need to decide a picture source, whether it comes from IPPO or Wikipedia。