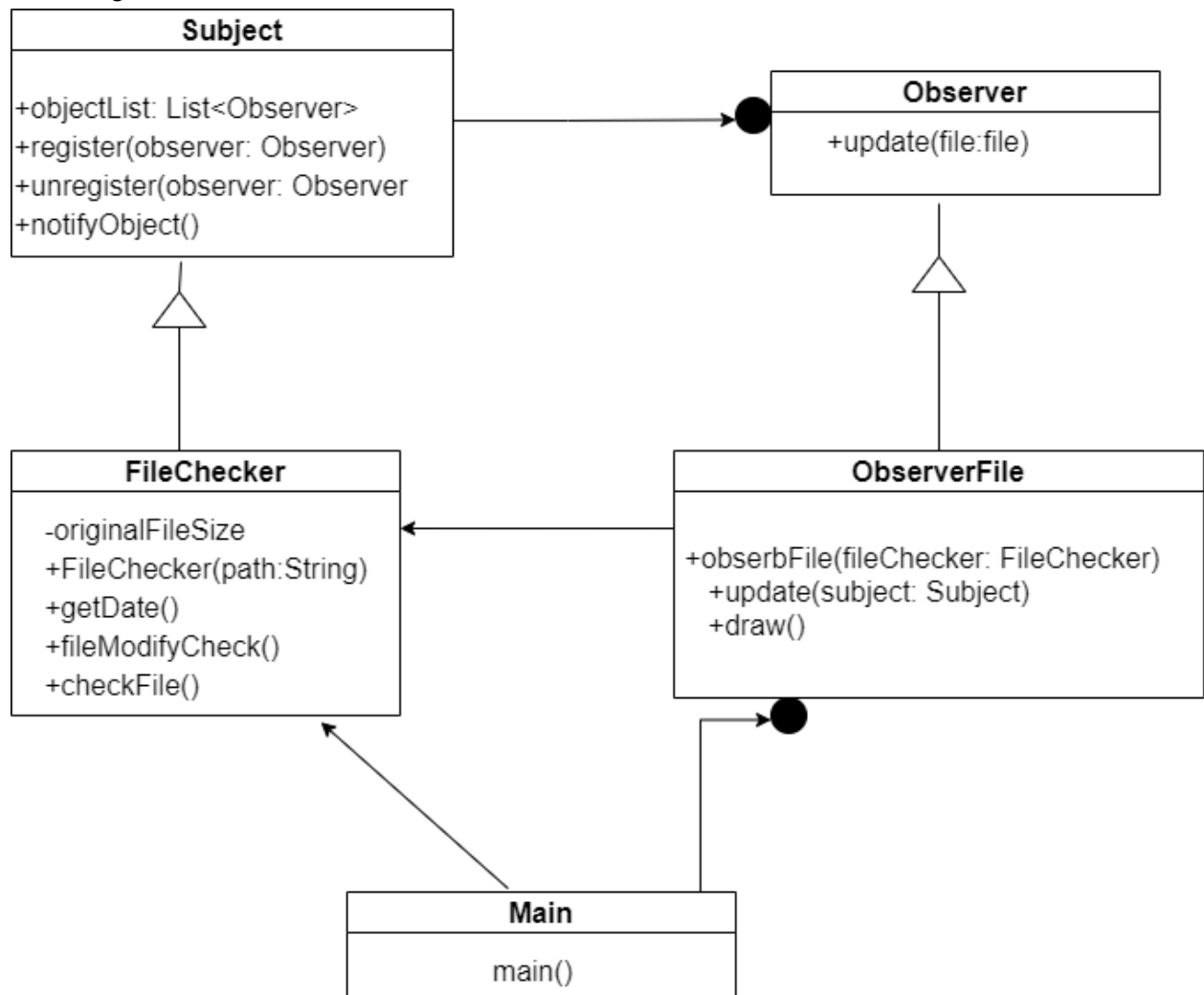


UML diagram of this code:



Overview: This code takes a file path and tracks it. If the file is changed/modified, then this code prints the modified date and time. This code checks the size of this file, if the file size is changed, it takes time and prints it.

Code explanation:

Subject

objectList: Store the object list that is subscribed for observation

register: Add observer object to list

Unregister: Remove observer object from list

notifyObject: Notify all object that is in list.

FileChecker:

FileChecker: This constructor take file path and track it.

getDate: When file become modified the getDate called by ObserverFile class then it return modified date and time.

fileModifiCheck: Check file size. If file size remain same then file not modified otherwise file are modified.

checkFile: It chek fileModifiedCheck method boolean value and then notify function in observer class.

Observer:

This is a interface that has a abstract method update

ObserverFile:

ObserverFile: This constructor takes FileChecker object to track file.

Update: The object that are notified are responsible for this class.

Draw: Print the modified date and time.