

# Flow Charts of classes in ftpserver package

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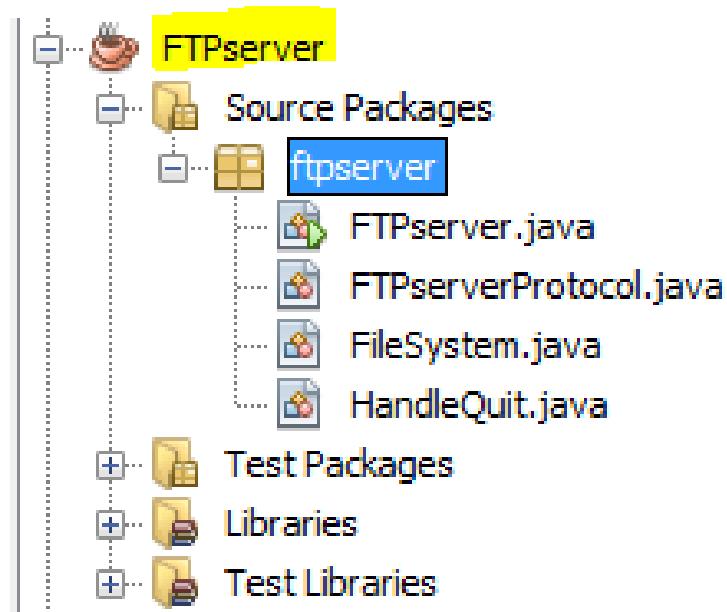
# 1 Introduction

This document contains:

- (a) A screenshot of the classes in the package 'ftpserver'
- (b) All the 'class structures' which are screenshots from Netbeans member window and
- (c) Flow charts of all the methods in each class in ftpserver package (Note: If the font of the texts in the flow charts are small then please use the zoom tool. )

## 2 package ftpserver

This 'ftpserver' package represents the server side of the McNapster. Here is a screenshot of the member classes.

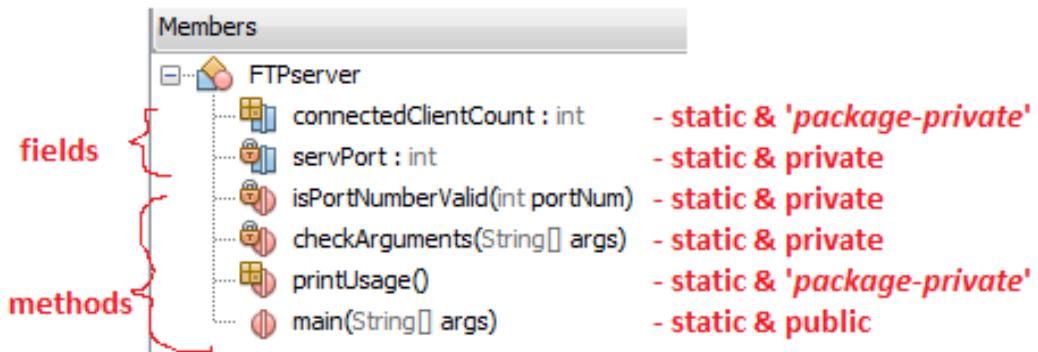


Here is a list of the access modifiers used and their access permission levels.

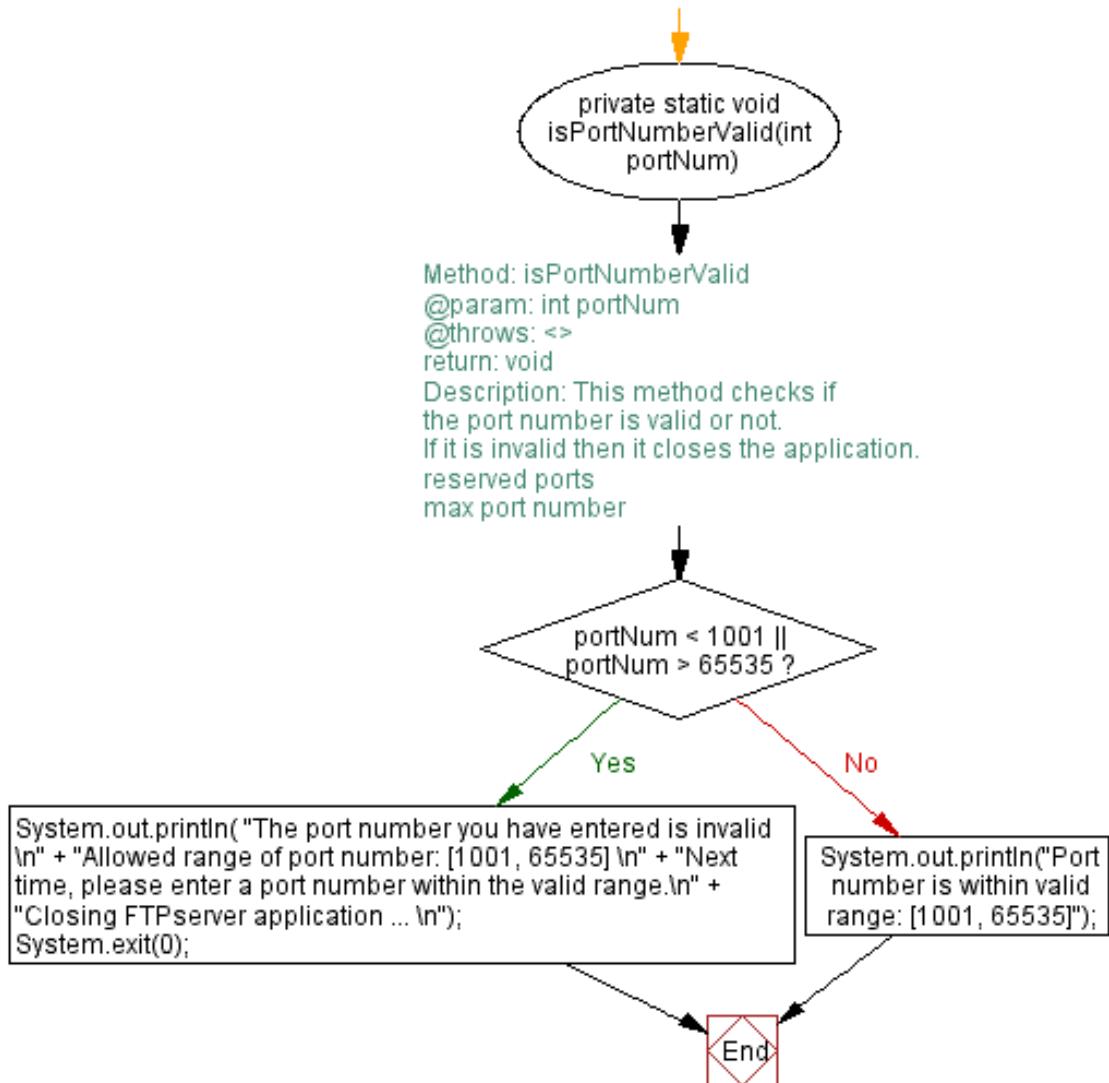
Modifier	Class	Package	World
public	Yes	Yes	Yes
private	Yes	No	No
No-modifier ( <i>package-private</i> )	Yes	Yes	No

### 3 class FTPserver

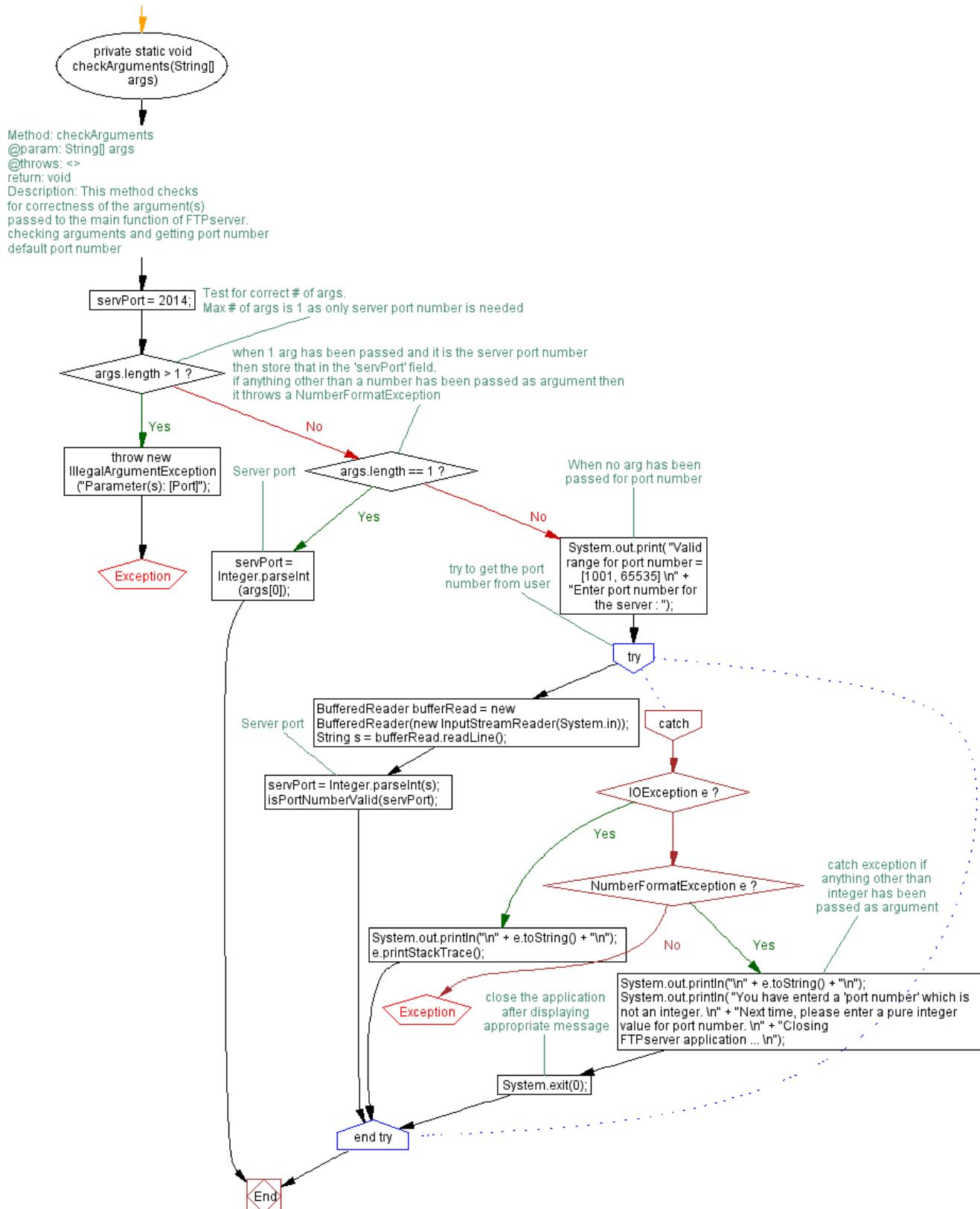
#### 3.1 Class Structure



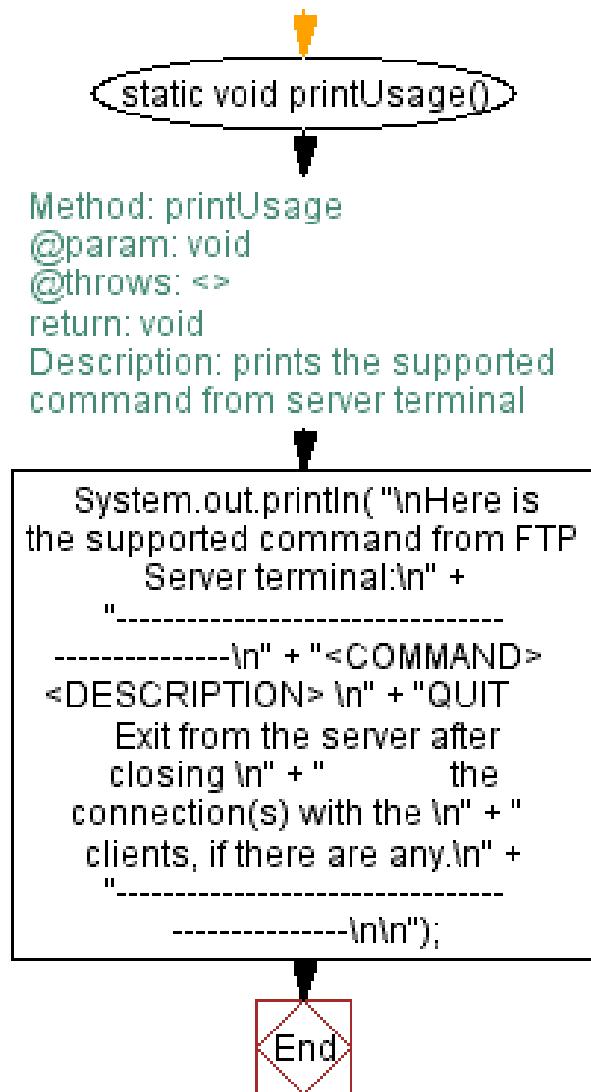
#### 3.2 Method: private static void isPortNumberValid(int portNum)



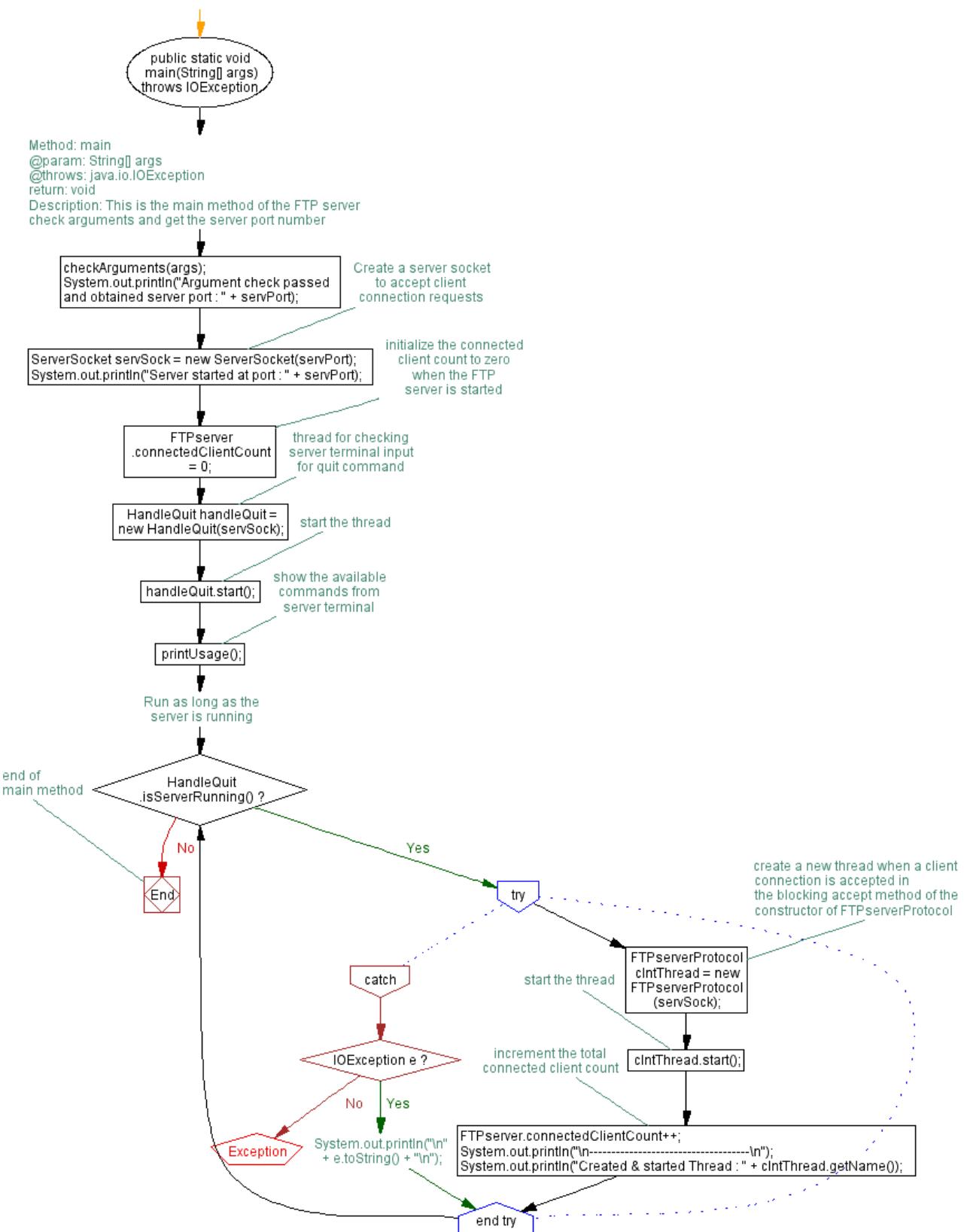
### 3.3 Method: private static void checkArguments(String[] args)



### 3.4 Method: static void printUsage()

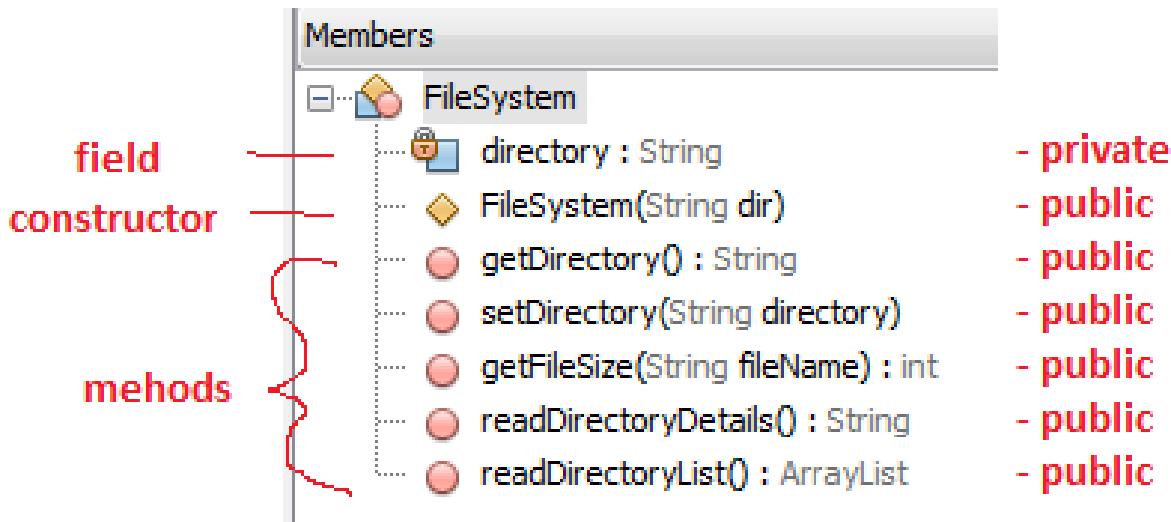


### 3.5 Method: public static void main(String[] args) throws IOException

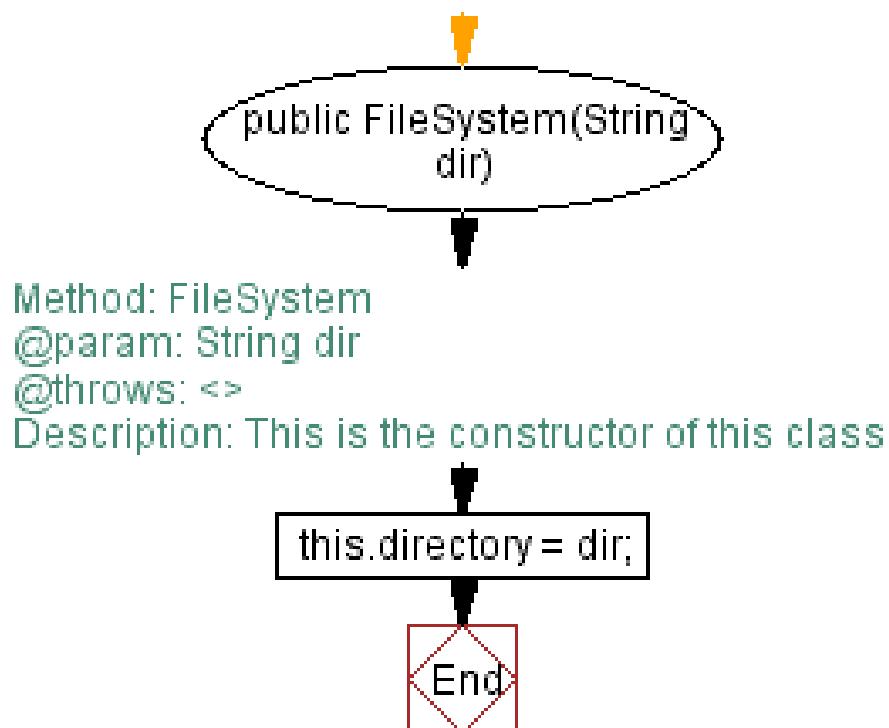


## 4 class FileSystem

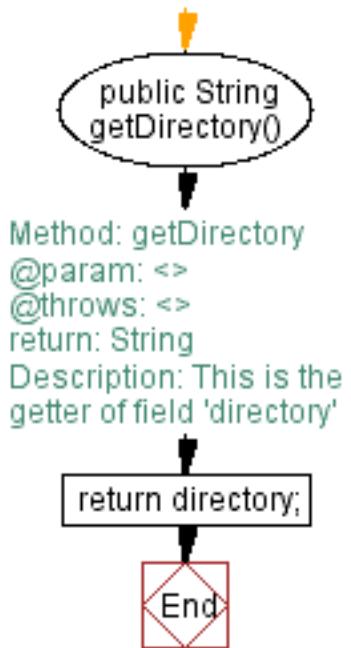
### 4.1 Class Structure



### 4.2 Method: public FileSystem(String dir)



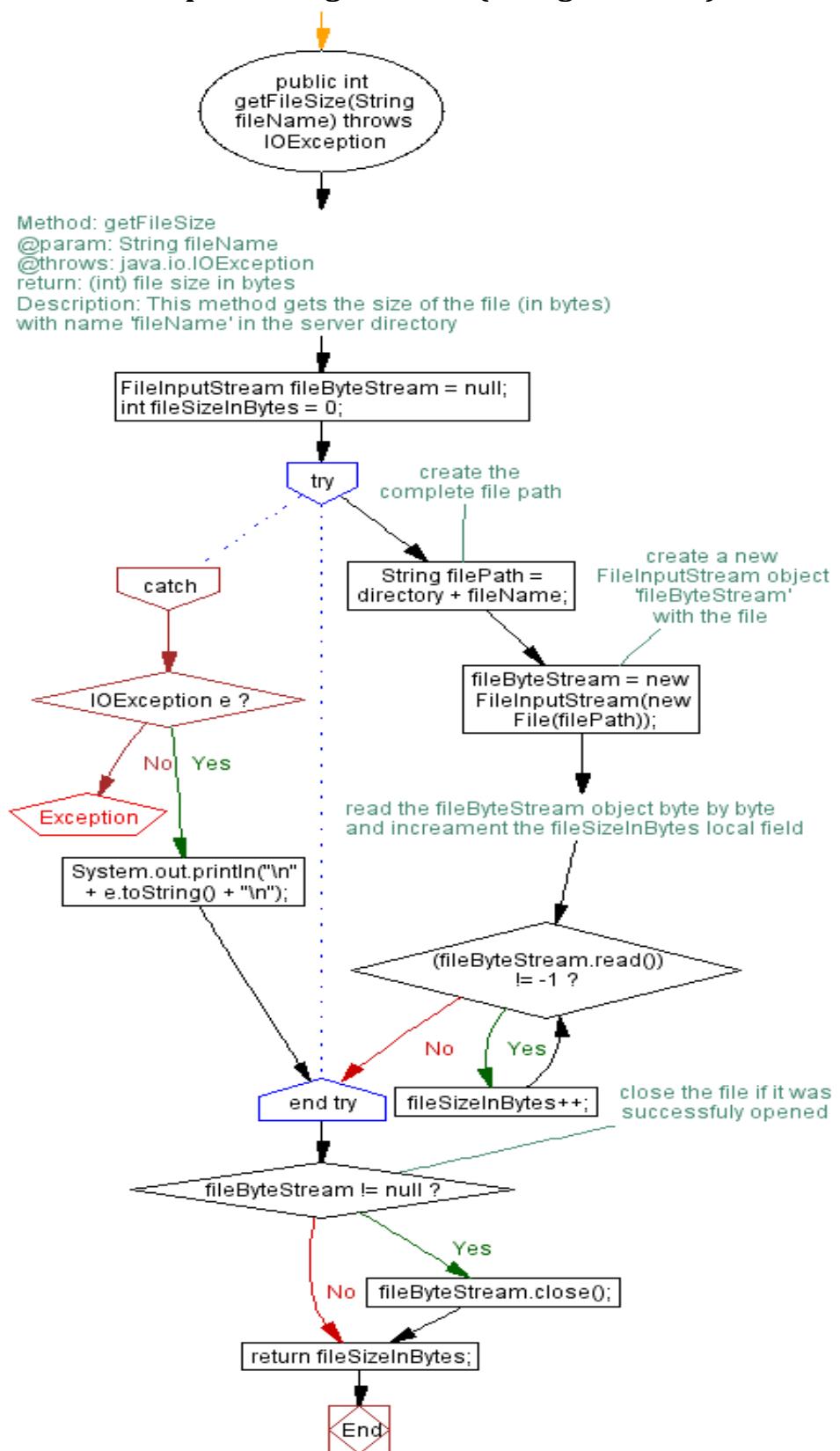
#### 4.3 Method: public String getDirectory()



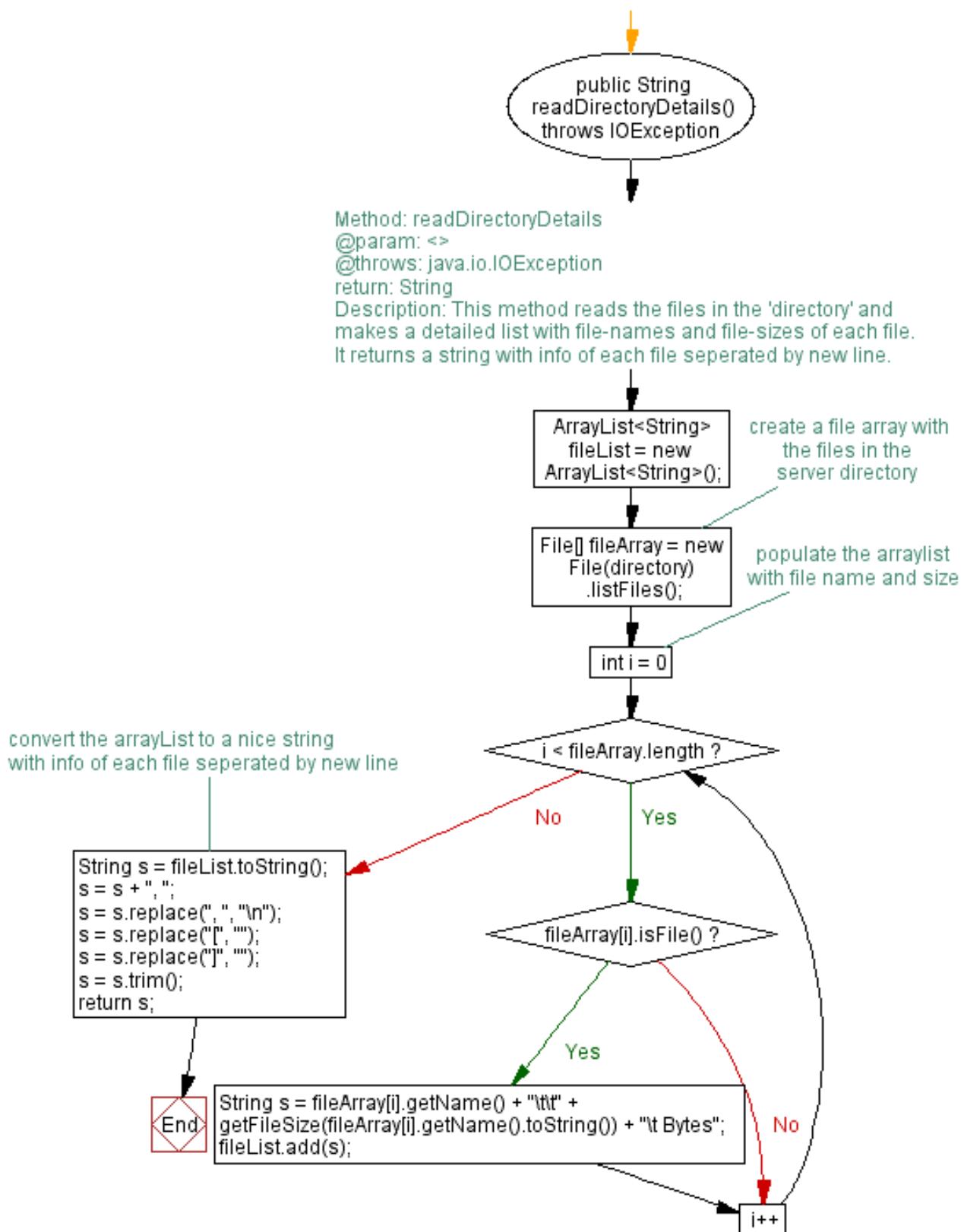
#### 4.4 Method: public void setDirectory(String directory)



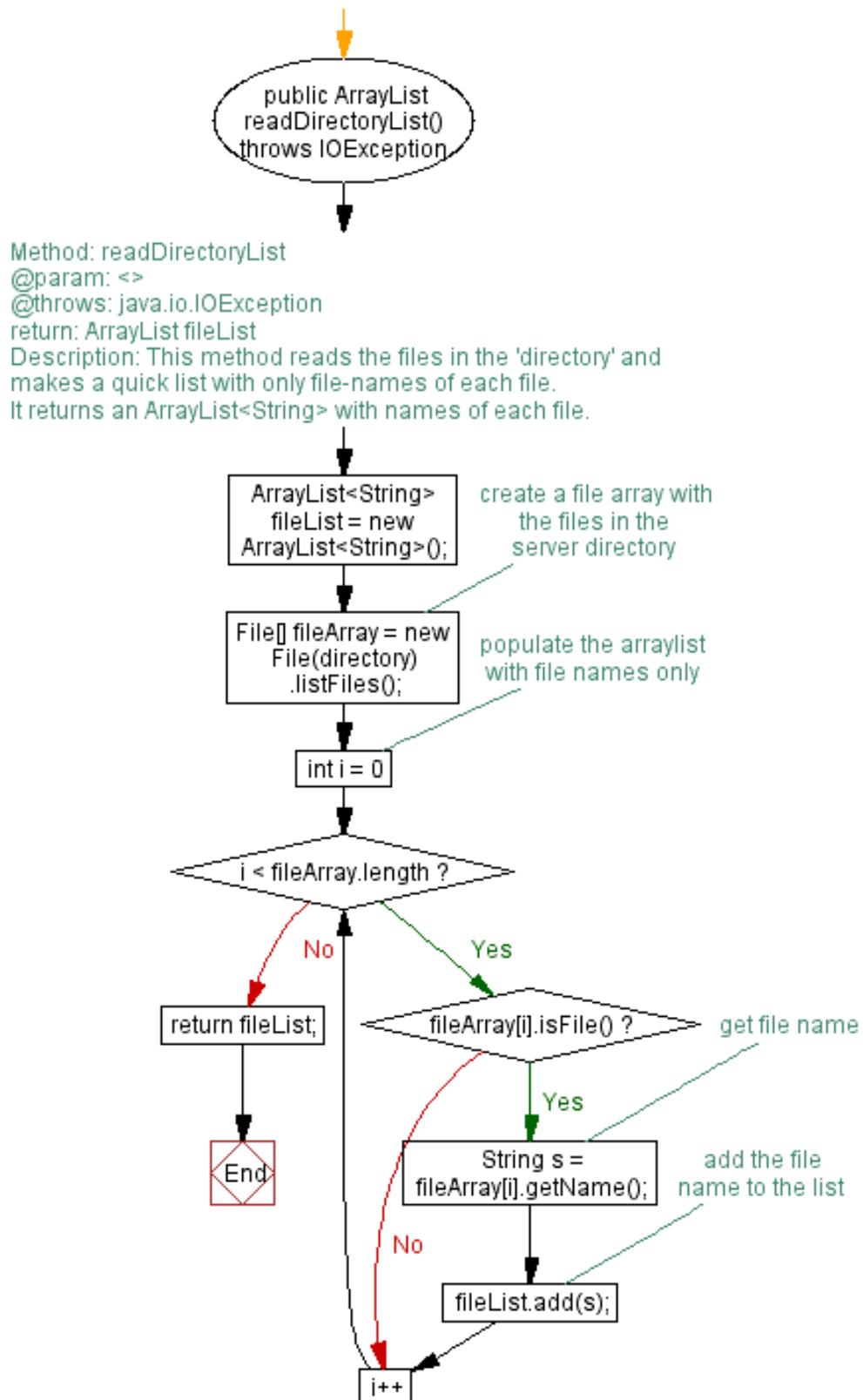
#### 4.5 Method: public int getFileSize(String fileName) throws IOException



#### 4.6 Method: public String readDirectoryDetails() throws IOException

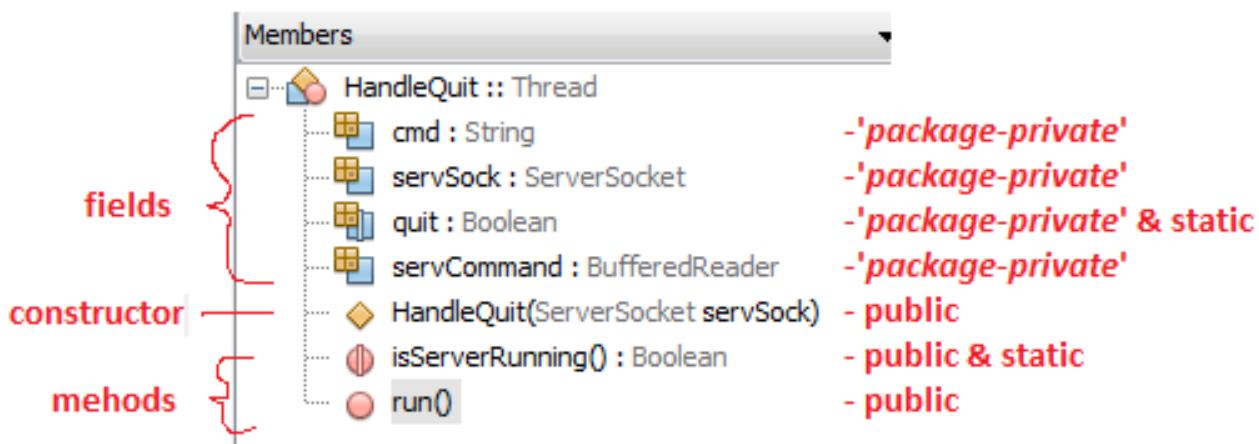


#### 4.7 Method: public ArrayList readDirectoryList() throws IOException

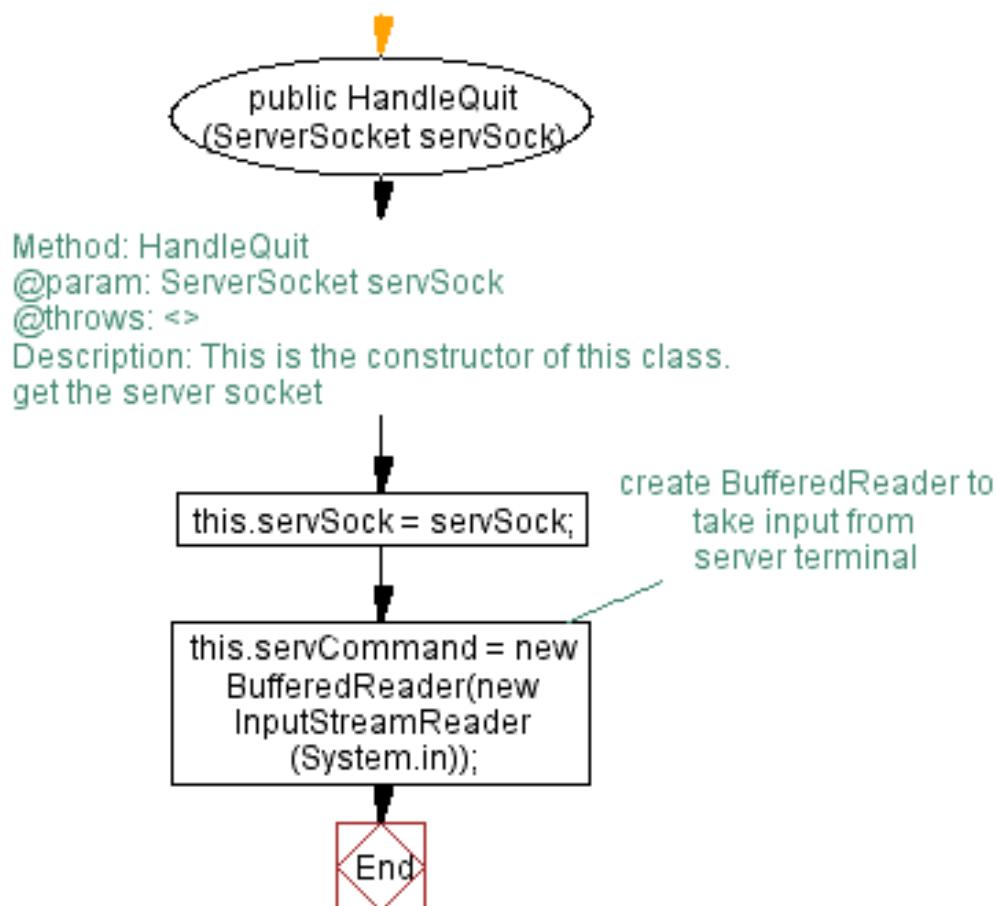


## 5 class HandleQuit

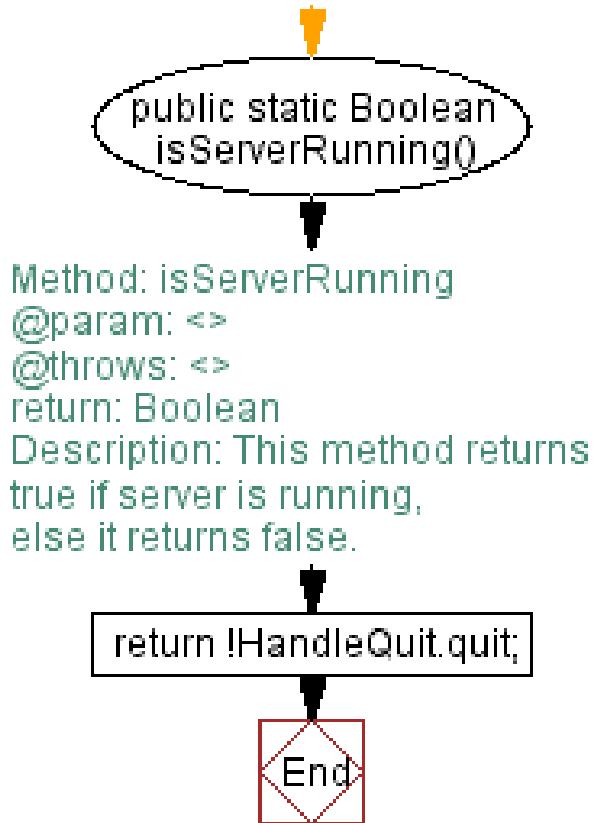
### 5.1 Class Structure



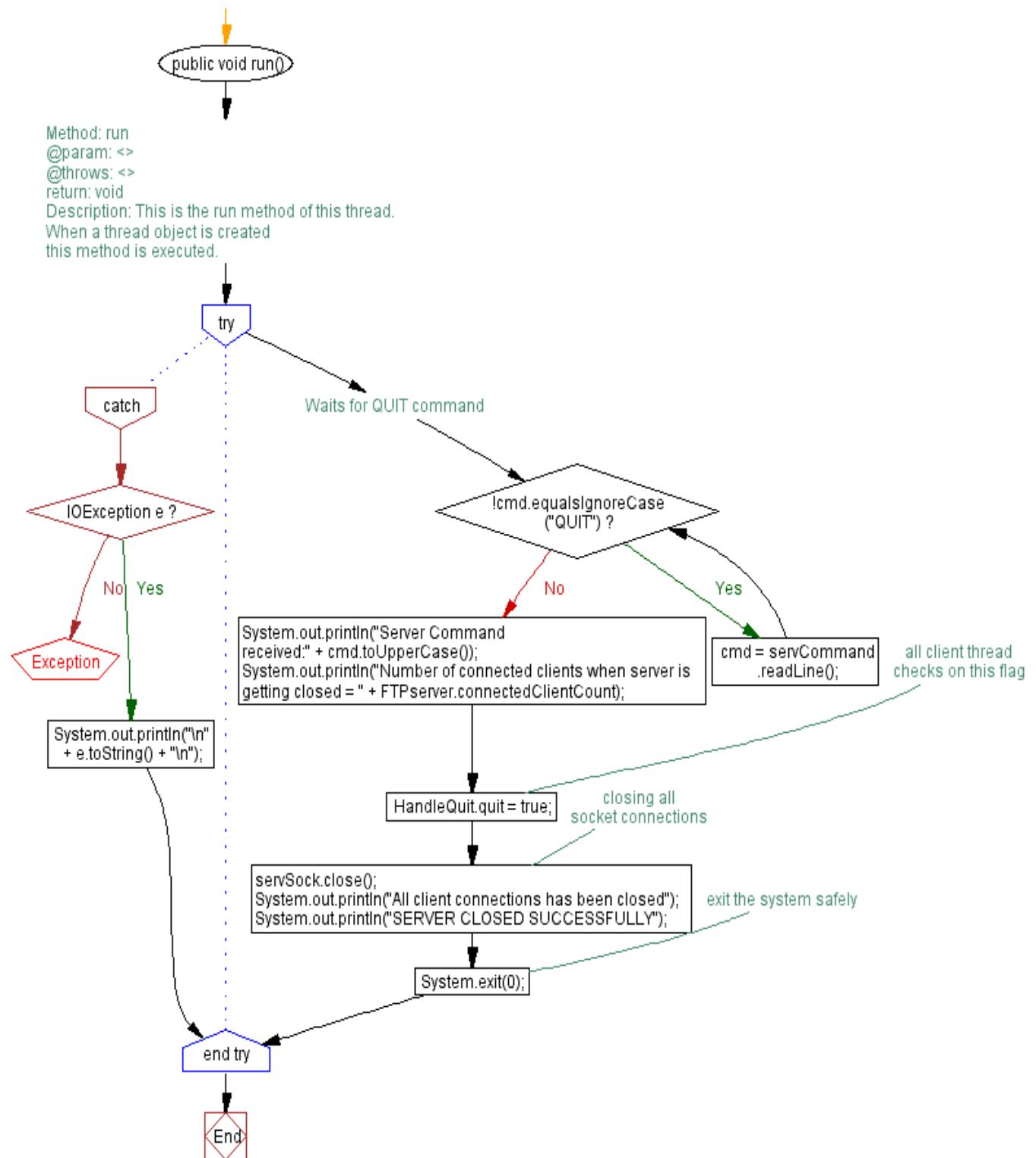
### 5.2 Method: public HandleQuit(ServerSocket servSock)



### 5.3 Method: public static Boolean isServerRunning()

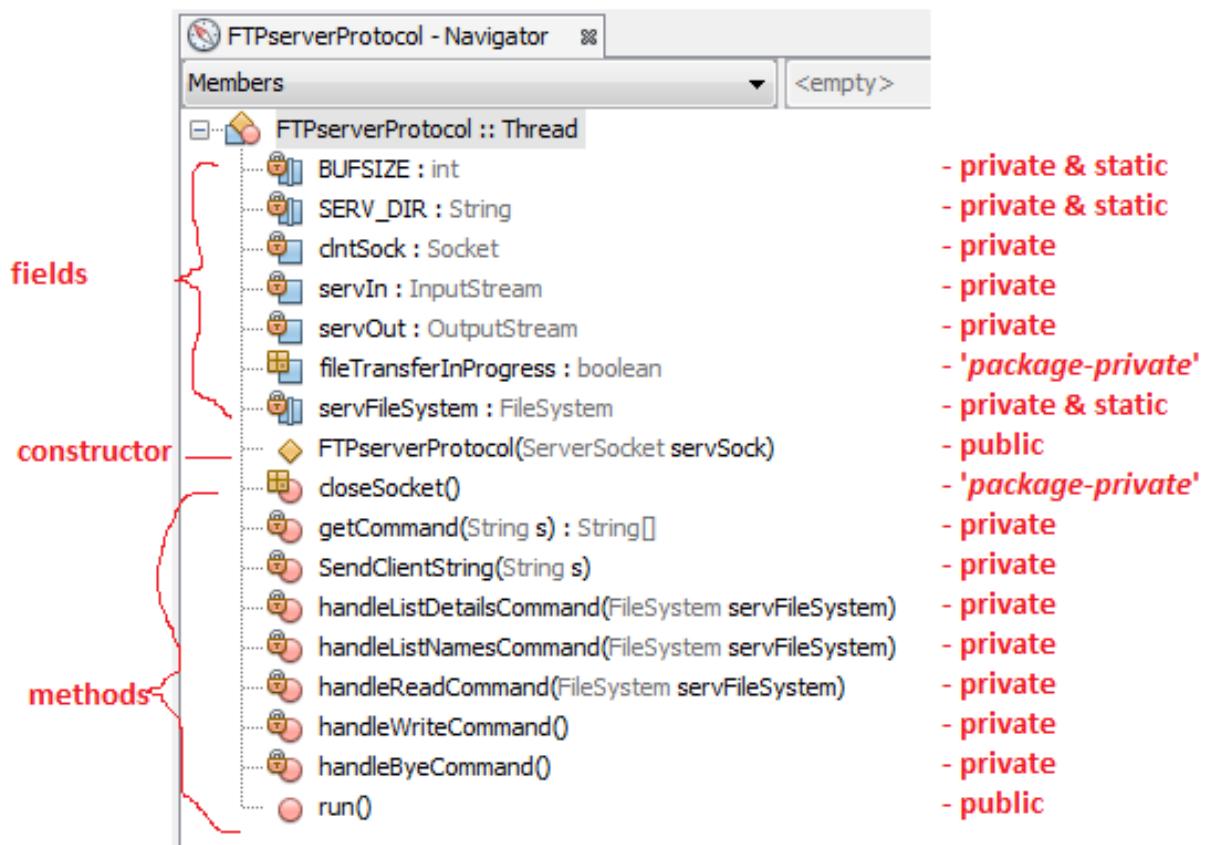


## 5.4 Method: public void run()

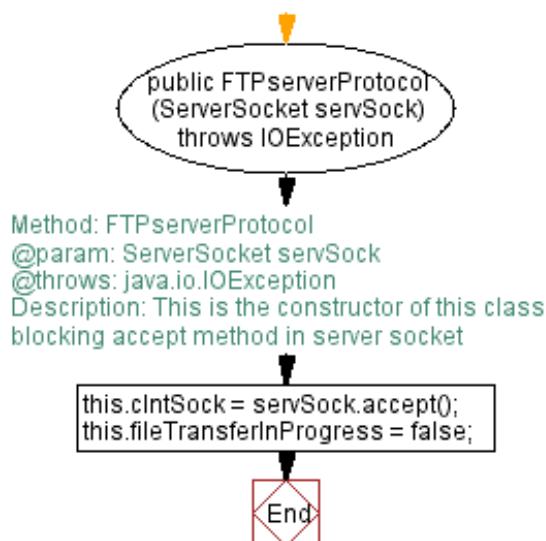


## 6 class FTPserverProtocol

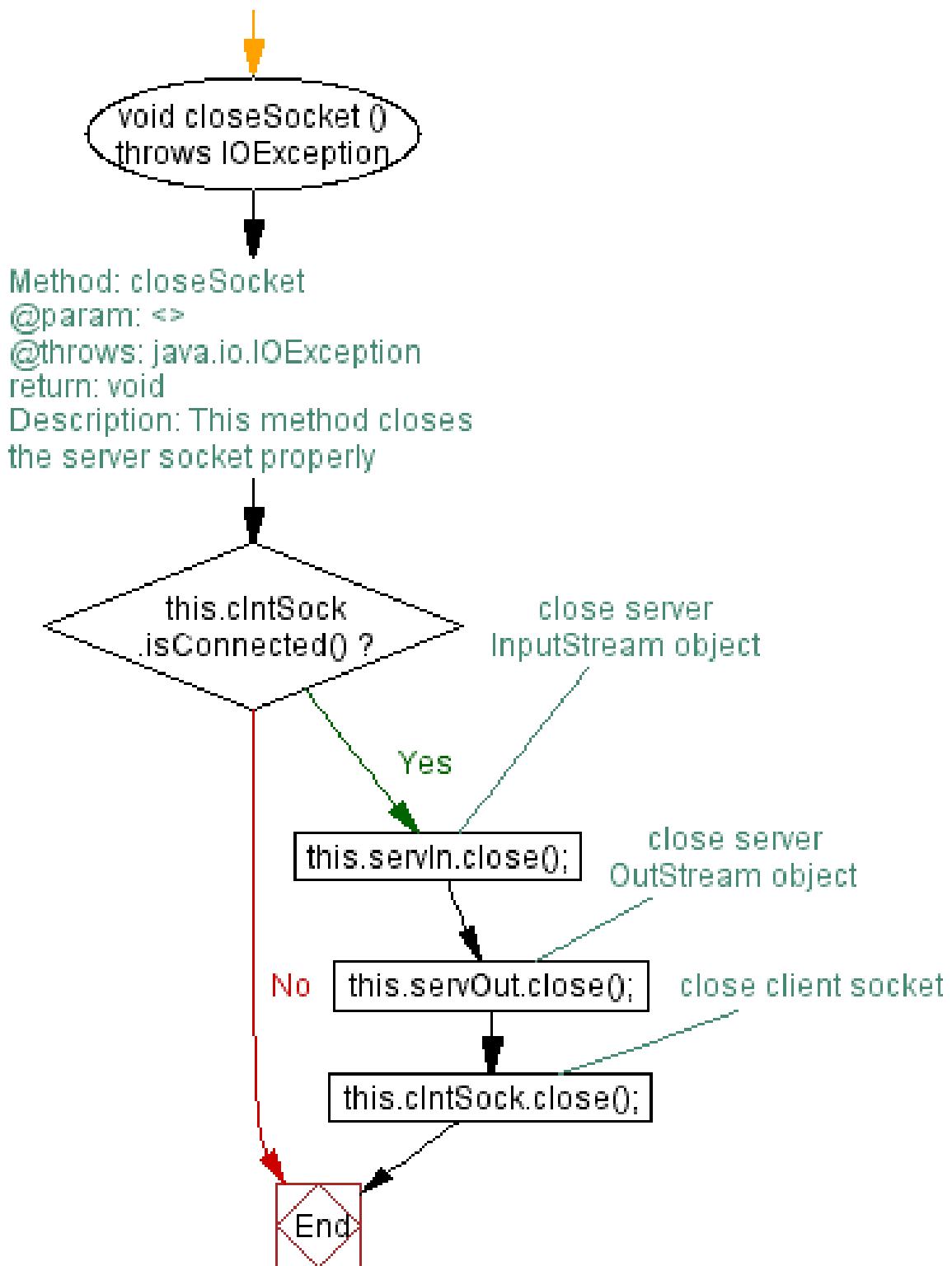
### 6.1 Class Structure



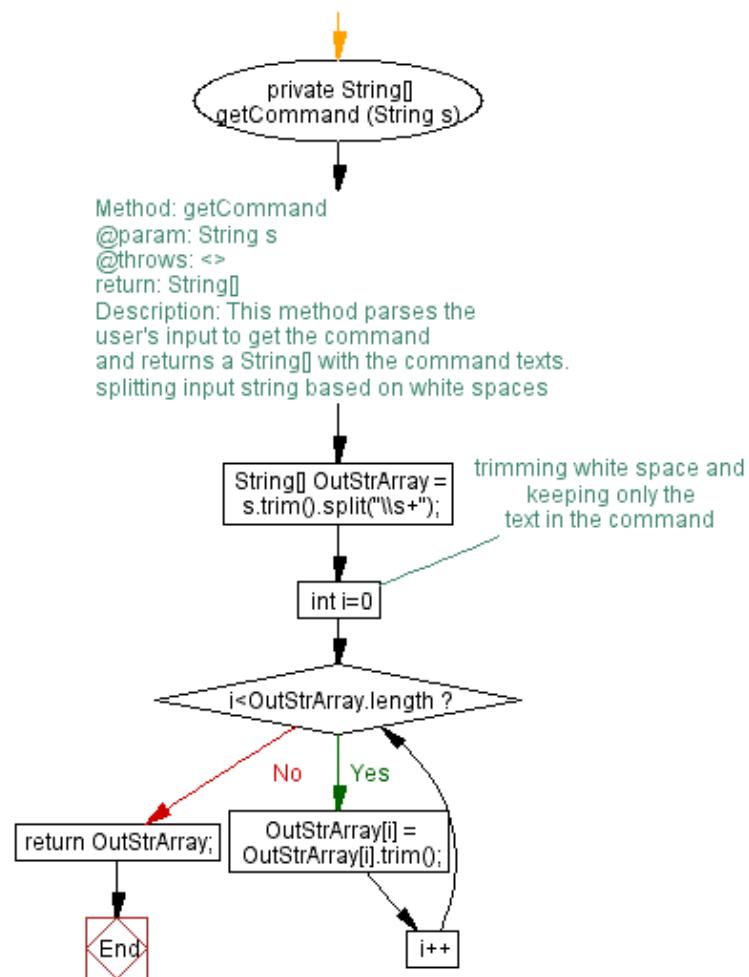
### 6.2 Method: public `FTPserverProtocol(ServerSocket servSock)` throws `IOException`



### 6.3 Method: void closeSocket () throws IOException



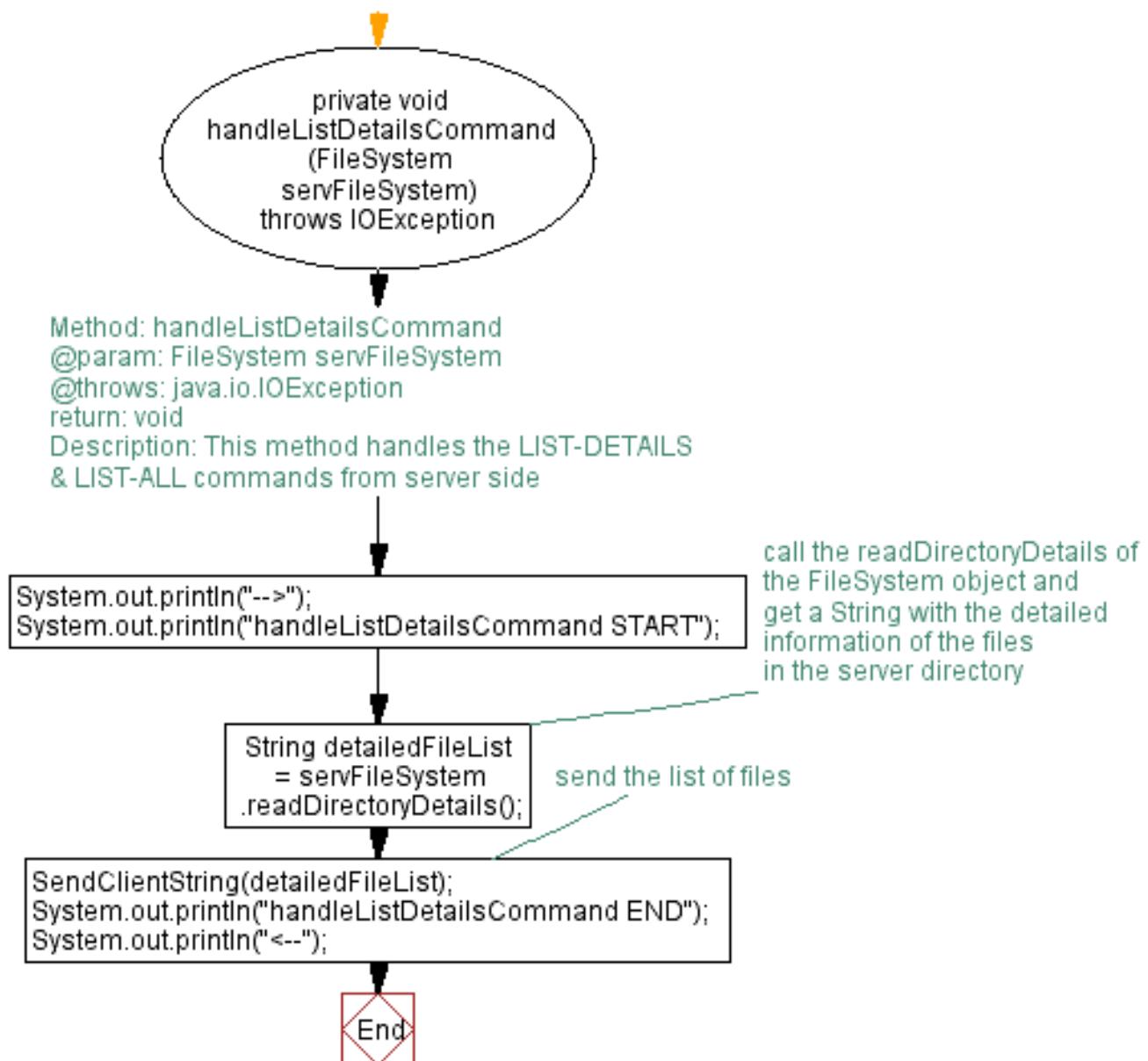
#### 6.4 Method: private String[] getCommand (String s)



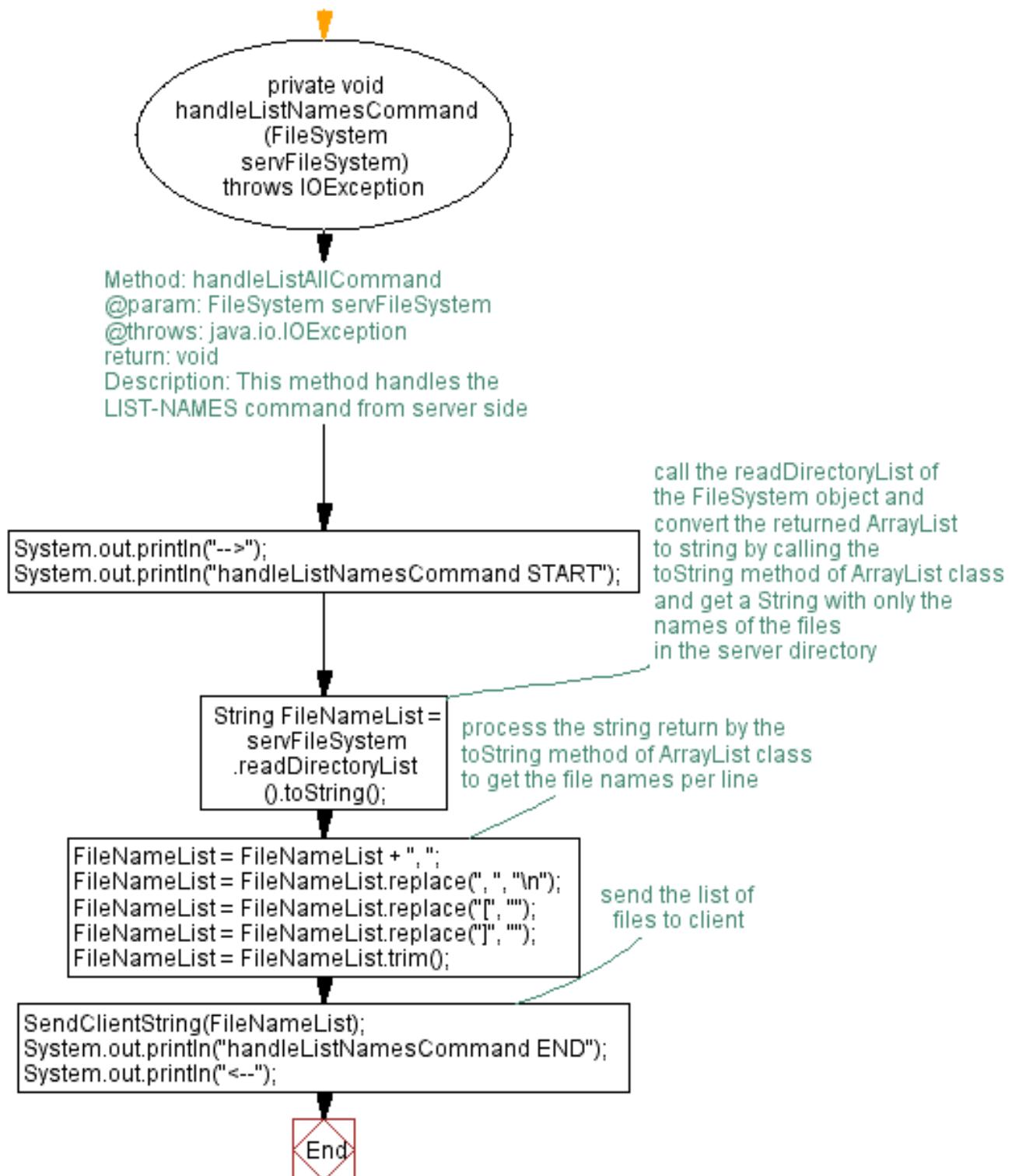
#### 6.5 Method: private void SendClientString(String s) throws IOException



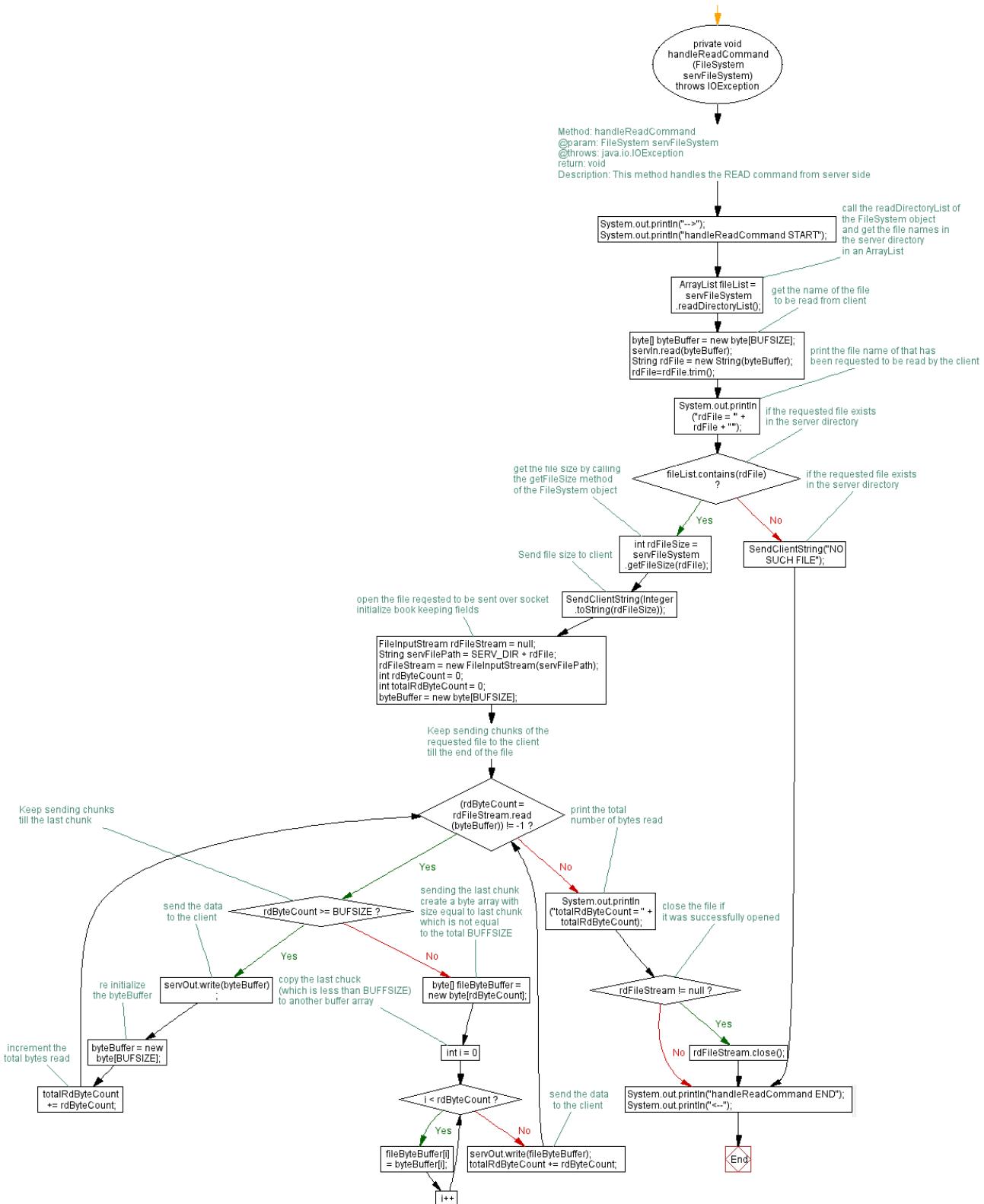
## 6.6 Method: private void handleListDetailsCommand (FileSystem servFileSystem) throws IOException



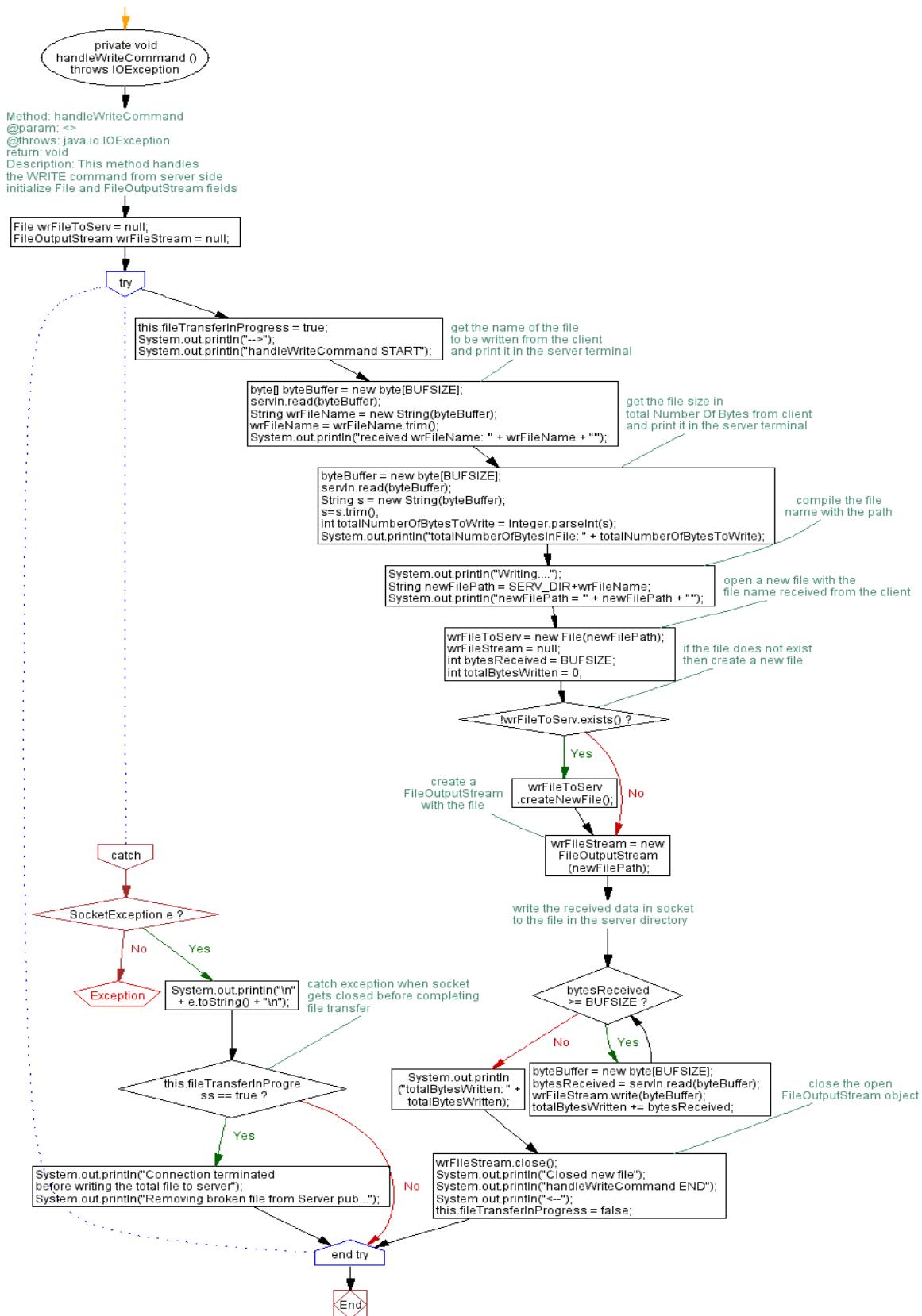
## 6.7 Method: private void handleListNamesCommand (FileSystem servFileSystem) throws IOException



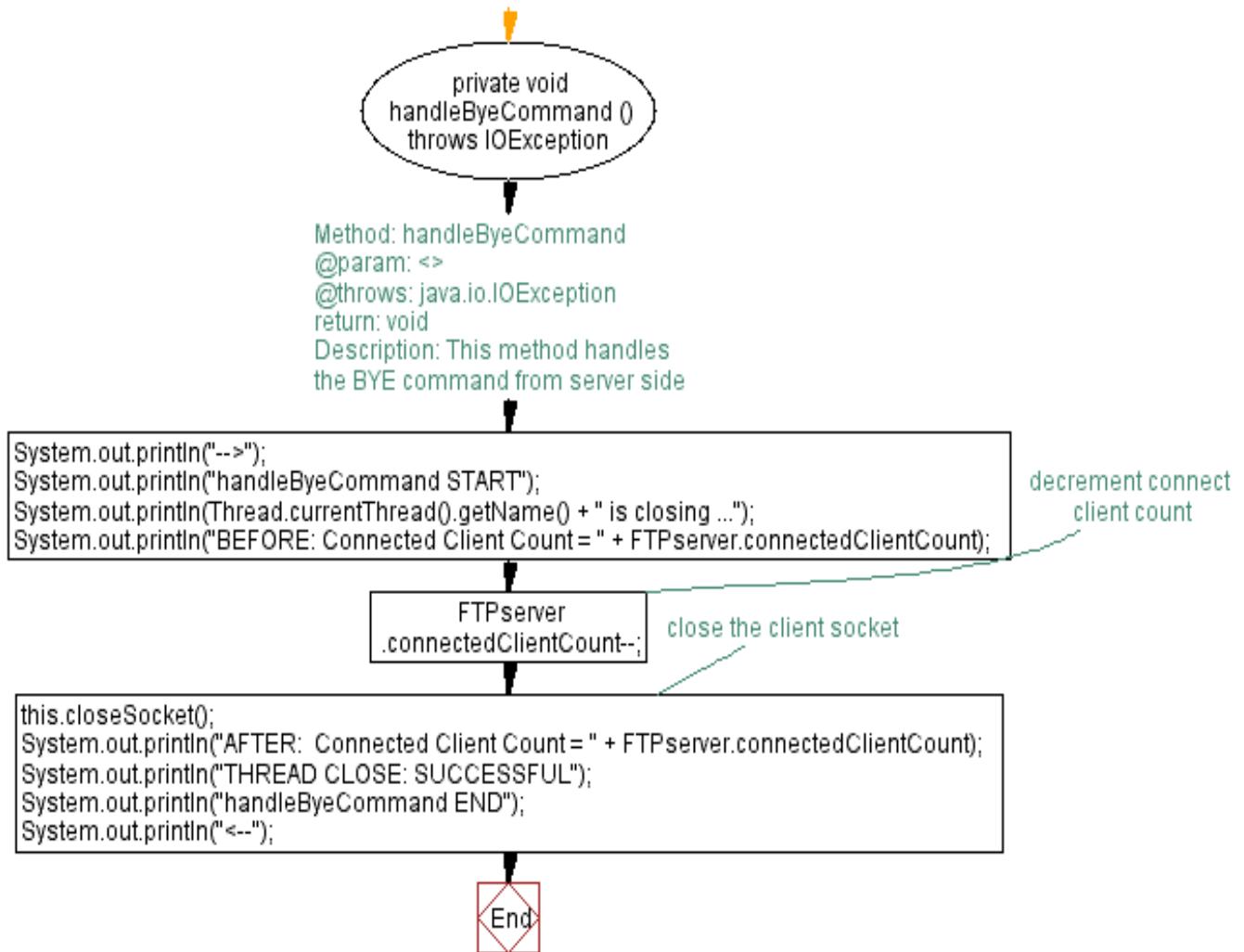
## 6.8 Method: private void handleReadCommand (FileSystem servFileSystem) throws IOException



## 6.9 Method: private void handleWriteCommand () throws IOException



## 6.10 Method: private void handleByeCommand () throws IOException



## 6.11 Method: public void run()

