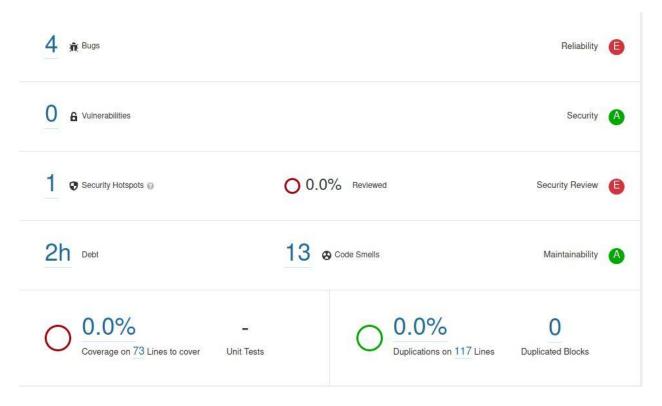
Sonarque Makeshift Report 2





```
Add an end condition to this loop. Why is this an issue?
                                                                                                                       9 minutes ago + L37 %
    # Bug → 

Blocker → 

Open → Not assigned → 15min effort Comment
                                                                                                                                    ocert -
    class HandleRequest extends Thread
        private Socket socket;
        //constructor for the thread
        public HandleRequest(Socket socket)
           this.socket=socket;
       //overiding method
        public void run()
                                                                                                                       10 minutes ago - L50 %
    Add the "@Override" annotation above this method signature Why is this an issue?
                                                                                                                             String clientMessage; //request from the client
           String fName; //file we are attempting to access
8
           String filetype; //our MIME type of file
                                                                                                                       10 minutes ago - L54 %
    Remove this unused "filetype" local variable. Why is this an issue?
     unused -
8
               System.out.println(clientMessage);
     Replace this use of System.out or System.err by a logger. Why is this an issue?
                                                                                                                      10 minutes ago ▼ L70 %
     S bad-practice, cert, owasp-a3 ▼
               //if our Strings first token is "GET" then do "GET" request
               if(tokenString.nextToken().equals("GET"))
              {
                     //token[1] for file name
                     fName = tokenString.nextToken();
                     //we know it is what we're looking for if it starts with /
                     if(fName.startsWith("/"))
                         //we need to check the MIME type of the file, so we can send it in the header later
8
                         filetype=MIMEType(fName);
                                                                                                                      10 minutes ago - L81 %
     Remove this useless assignment to local variable "filetype". Why is this an issue?
     △ Code Smell - △ Major - ○ Open - Not assigned - 15min effort Comment
                                                                                                                         cert, cwe, unused -
```

```
System.out.println("Error 301");
                                                                                                                                                                                                                                                            11 minutes ago - L98 %
           Replace this use of System.out or System.err by a logger. Why is this an issue?
                                                                                                                                                                                                                                                  bad-practice, cert, owasp-a3 →
          Code Smell →   Major →  Open → Not assigned → 10min effort Comment
                                                                   //this part isn't technically necessary, but it helps prevent an exception
                                                                   fName="Error303.html";
                                                                   //this is bad practice, but quick
                                                                   File file2 = new File(fName);
                                                                   file=file2;
                                                             //limit num stops a 404 from poping up
8
                                                            limitnum=301;
                                                                                                                                                                                                                                                         11 minutes ago - L106 %
          Remove this useless assignment to local variable "limitnum". Why is this an issue?
          Ocean Code Smell →  Major → O Open → Not assigned → 15min effort Comment
                                                                                                                                                                                                                                                                  s cert, cwe, unused -
                                                     else
                                                            //if the file doesn't exist we have error 404 and we haven't had an error 301, this also starts our header for a
                                                            //404 case
                                                            if(!file.exists()&&(limitnum!=301))
          Remove this expression which always evaluates to "true" Why is this an issue?
                                                                                                                                                                                                                                                         11 minutes ago - L113 %
           Code Smell →   Major →  Open → Not assigned → 10min effort Comment
                                                                                                                                                                                                                                           suspicious 
  ŵ
                                               FileInputStream iFS = new FileInputStream (fName);
            Use try-with-resources or close this "FileInputStream" in a "finally" clause. Why is this an issue?
                                                                                                                                                                                                                                                           12 minutes ago + L138 %
            # Bug ▼ 

Blocker ▼ 
Open ▼ Not assigned ▼ 5min effort Comment
                                                                                                                                                                                                                                             s cert, cwe, denial-of-service, leak -
                                               //make a byte array of size fileSize, this is to transfer over our socket, its name is also a pun
                                               byte[] fileByteSize = new byte[fileSize];
                                               //read and put our new byte array into the input stream
                                               iFS.read(fileByteSize);
                                                                                                                                                                                                                                                           12 minutes ago - L142 %
            Check the return value of the "read" call to see how many bytes were read. Why is this an issue?
                                                                                                                                                                                                                                                                                        ocert -
             # Bug → O Minor → O Open → Not assigned → 15min effort Comment
0
                                      System.out.println("Not implemented");
                                                                                                                                                                                                                                                       13 minutes ago - L158 %
         Replace this use of System.out or System.err by a logger. Why is this an issue?
         Code Smell →   Major →  Open → Not assigned → 10min effort Comment
                                                                                                                                                                                                                                               //close our socket
                              socket.close();
                       catch(IOException e)
                           // anything bad that isn't out of scope shows up in the terminal as an exception
                           e.printStackTrace();
                 //parameter fName: String, name of our file
8
                 public String MIMEType(String fName)
                                                                                                                                                                                                                                                      13 minutes ago - L171 %
          Rename this method name to match the regular expression '^[a-z][a-zA-Z0-9]*$'. Why is this an issue?
          🕰 Code Smell 🕶 👩 Minor 🕶 🔘 Open 🕶 Not assigned 🕶 5min effort Comment
                                                                                                                                                                                                                                                                        onvention -
```