

## PSEUDO CODE

~~websites~~ java  
~~websites~~ (get block) { } in private variable  
 Get blacklist → get items already in blacklist  
 Get websites → get additional  
 Remove from Blacklist

prog - start  
 ↳ getBlacklist  
 Helper . print ArrayList (getBlacklist) } get Black  
 ↳ Blocker blocker = new Blocker () } → list  
 ↳ blocker . block (); } Stat Blocker

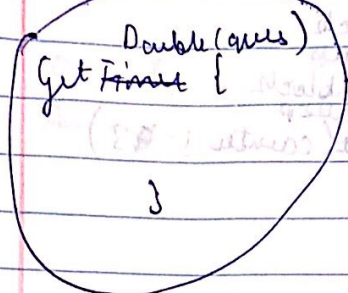
prog  
 ↳ get blacklist, Helper . print ArrayList } get Black  
 ↳ get websites } list  
 ↳ Helper . new ArrayList  
 ↳ Blocker blocker = new Blocker } Stat Blocker  
 ↳ Blocker . block ();

## Timer.java

```
@ { pomodoro  
    rest  
    * pomodoro started  
} private
```

getters, setters

```
Reset Time {  
    getter setter
```

```
    Double (ques)  
    get Time {  Helper.java  
    }  
}
```

```
getMilliseconds (Double time) {  
    return time * 60 * 1000  
}
```

```
get Pom change Pomodoro () {  
    return  
}
```

```
change Rest () {  
    return
```

```
get Time Remaining () {  
    + Current Time - Time started  
}
```



logic

without stat  
Driver — start

display websites  
if not with start  
{ get more website

count = 0  
while do {

block  
sleep  
unblock  
sleep  
} while (count != 3)

Logic

this - count = 0  
this - quantity  
stat pomodoro (time, ~~count~~  
if (count == 4) {  
return;

use

[ start pomodoro  
time  
sleep (get pomodoro time)  
start  
block just

sleep (get Rest time)

count ++;

return start pomodoro (this.pomodoro time,  
count)

}

nc

get time left

logic. start pomodoro (left time, this.count)

## TEST PLAN

### Website Input

Any input is stored as subbits  
-1 stop adding subbits

o Random no, Rest times

24 ✓

1 ✓

0.1 x } Checks  
Answer x } Program



## API

Logic.java inherits from Parent

```
private int state
private static boolean Debug
Public Logic()
    Getters / Setters
    startBlocker()
    startProgram()
    unblock()
    startPomodoro (long, int, int)
    startPomodoro (int)
```

## Parent.java

```
private ArrayList<String> websites
static String blockFile
public websites websites webObj, Timer timer, Blocker blocker
    resetHosts reset
```

```
public Parent()
    getBlocklist()
    startBlocker()
    stopBlocker()
    setPomodoro()
    setReset()
```



# BACKEND

## Blocker.java

```
private String path, boolean Debug, Array List<String>  
File file, IO iobj;  
  
public  
getters setters  
Blocker ()  
Block ()  
Unblock ()
```

## Helper.java

public static:

```
load Websites ()  
void writeToFile (Array List, String)  
void Print Array List (Array List<String>)  
void writeToFile (Array List, OutputStream)  
boolean checkAnti (String)  
void checkSudo (throws PermissionException)  
double getDouble (String, int)  
boolean check (anti (int))
```

## ResetHosts.java

```
public: backup Host File  
reset Hosts ()  
reset ()
```

```
private: IO iobj, String file, String hosts, String  
test-file, File out-file
```



## Website.java

private: String blockFile

ArrayList<String> websites

IO IOException

public: Websites()

addBlockList()

getBlockList()

removeFromBlockList()

## EXCEPTIONS

PermissionException.java

public: PermissionException()

PermissionException(String)

# IO

Io.java implements IoInterface

public: PrintWriter write (String frame)  
ArrayList (String) read (String frame)

Logic + Packet → API

Backend

Helper → Helper methods  
Blocker → Block & Unblock ability  
reset Host → resets host files  
Timer → deals with pomodoro & rest periods  
Websites → get the websites to be sent to  
the write them to TXT Files

IO → read and write to a file