**Interoperability Test**

Group Number: 12

Name: 권도현 Student ID number: 2023065350

Write down information of your team mates.

|  |  |
| --- | --- |
| Name | Student ID number |
| 허진환 | 2021091721 |
| 이승우 | 2020081267 |
|  |  |
|  |  |

Ip address: 허진환: 172.16.165.35 / 이승우: 172.16.166.59 / 권도현: 172.16.163.194

Port number: proxy server: 6790 / web server: 8888

x

***※ The blue text is the way to write it. Please delete it when writing the report.***

1. Introduction

*※ Write down what this test is and what it is for*

This assignment is one where three people work in groups to implement a client, server, and proxy and exchange all packets. This is an assignment to execute the entire operation based on the code implemented by each person. The client sends a request to the proxy, and the proxy forwards the request to the server. The server sends a response to the proxy, and the proxy sends the response to the client.

1. Test Procedure (Copy and use this section for as many people as you have tested)

*※ Fill the results and screenshots*

* 1. Write down the name of person that you tested with
     1. When I run proxy server.

|  |  |
| --- | --- |
| Web server owner’s name | 허진환 |
| Web client owner’s name | 이승우 |

* 1. Run wireshark
  2. Send GET Method to Web Server of your group member through your client
     1. Get StudentID.html  
        (e.g. GET <http://127.0.0.1:8080/index.html>)

**권도현**

|  |  |
| --- | --- |
| Result  Screenshot (Client) | *※ Screenshot of your web client* |
| Result  Screenshot (Server) | *※ Screenshot of your web server* |
| Result  Screenshot (Proxy) | *※ Screenshot of your Proxy* |
| Wireshark  Screenshot | *※ Screenshot of your wireshark*  Proxy server |
|  |  |
| Result  Screenshot (Client) | *※ Screenshot of your web client* |
| Result  Screenshot (Server) | *※ Screenshot of your web server* |
| Result  Screenshot (Proxy) | *※ Screenshot of your Proxy* |
| Wireshark  Screenshot | *※ Screenshot of your wireshark*  *Client*  텍스트, 스크린샷, 폰트, 번호이(가) 표시된 사진  자동 생성된 설명 |
| Result  Screenshot (Client) | *※ Screenshot of your web client* |
| Result  Screenshot (Server) | *※ Screenshot of your web server*  텍스트, 폰트, 스크린샷, 화이트이(가) 표시된 사진  자동 생성된 설명 |
| Result  Screenshot (Proxy) | *※ Screenshot of your Proxy* |
| Wireshark  Screenshot | *※ Screenshot of your wireshark* Server  텍스트, 소프트웨어, 스크린샷, 웹 페이지이(가) 표시된 사진  자동 생성된 설명 |

1. Feeling

*※ Write down how you feel after this test*

First of all, it took me a very long time to complete this assignment. I also did an honor project, and I think the debugging skills I learned then were very helpful.

While doing this assignment, I felt the difference between seeing text or just pictures and implementing it myself. I realized that the advantage of computer engineering is that you can prove and run what you want anytime, anywhere as long as you have a computer.

It was a new experience because it was my first time working on a project with people I had never met before, rather than sharing and running code with people I know and am close to like an honor project.