**Interoperability Test**

Name: 신상윤 Student ID number: 2018008559

Write down information of your team mates.

|  |  |
| --- | --- |
| Name | Student ID number |
| 윤태영 | 2018008777 |
| 차도희 | 2018033181 |
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1. Introduction

한학기동안 프로젝트로 만들었던 WebServer 와 WebClient를 테스트해본다.

테스트 방식은 다른 팀원들과 서로 Server와 Client가 되어 연결을 해보는 방식이다. Get, Post message를 통해 학번.html 읽는 것이 잘되는지, Get message를 통해

Image.jpg파일을 읽을 수 있는지를 테스트해보고, wireshark로 분석해본다.

내 WebServer 와 WebClient가 서로 통신하는 것은 어떻게 보면 당연한 일이다.

하지만 network programming 관점으로 볼 때 중요한 것은 제3자와의 통신이므로 **Interoperability Test**가 중요한 의미를 가진다.

1. Test Procedure
   1. Write down the name of person that you tested with

|  |  |
| --- | --- |
| Web server owner’s name | 신상윤 |
| Web client owner’s name | 윤태영 |

* 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/studentId.html)

|  |  |
| --- | --- |
| Result  Screenshot (Server) |  |
| Wireshark  Screenshot |  |

* + 1. Get image.jpg  
       (e.g. GET http://127.0.0.1:8080/image.jpg)

|  |  |
| --- | --- |
| Result  Screenshot (Server) |  |
| Wireshark  Screenshot |  |

* 1. Send POST Method to Web Server of group member through your client  
     (e.g. POST http://127.0.0.1:8080/studentId.html)

|  |  |
| --- | --- |
| Result  Screenshot (Server) |  |
| Wireshark  Screenshot |  |

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| --- | --- |
| Result  Screenshot (Client) |  |
| Wireshark  Screenshot |  |

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|  |  |
| --- | --- |
| Result  Screenshot (Client) |  |
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| --- | --- |
| Result  Screenshot (Client) |  |
| Wireshark  Screenshot |  |

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| Result  Screenshot (Client) |  |
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| Result  Screenshot (Client) |  |
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1. Feeling

첫 실습 시간에 상호운용성 테스트를 통과하지 못하면 F라는 말을 듣고 한 학기동안 걱정이 많았습니다. 하지만 천천히 이론을 배우고, project도 단계별로 진행하면서 network programming이 기본적으로 어떻게 이루어지는지, Server와 Client를 어떻게 programming을 기본적으로 하는지 차근차근 많은 것을 배운 것 같습니다. 비록 추가과제, 심화단계 부분은 해결을 하지 못하였지만 이번 상호운용성 테스트도 성공적으로 마무리되어서 기쁩니다. 한학기동안 배운 것이 많은 수업이었습니다. 감사합니다.