**CS621 Spring 2019 Project 2 Progress Report**

**Team Name: 418 Teapot**

**Team Members:**

1. Kei Fukutani

2. Domingo Huang

3. Tae Hyon Lee

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| Milestones | Status | Team Members | Expected Completion Date | Actual Completion Date |
| Create a new workspace | Completed | All | 3/27 | 3/28 |
| Set up GitHub repo | Completed | Tae | 3/24 | 3/24 |
| Read project specification | Completed | All | 3/28 | 3/28 |
| Review notes about SPQ and DRR | Completed | All | 3/28 | 3/28 |
| Read base class and subclass documentation | Complete | All | 3/31 | 3/31 |
| Discuss how to take on the project and split work | Completed | All | 4/2 | 3/28 |
| Technical Manual | Completed | Tae | 4/9 | 4/9 |
| Create virtual function of class DiffServ, TrafficClass, Filter and FilterElement | Completed | Domingo, Kei | 4/7 | 4/5 |
| Develop the match function in each FilterElement | In Progress | Kei | 4/19 |  |
| Decide and develop the method that define the packets’ priority | In Progress | Domingo | 4/12 |  |
| Finish Enqueue and Dequeue function in TrafficClass | In Progress | Domingo, Kei | 4/19 |  |
| Finish DiffServ development | In Progress | Domingo, Kei | 4/19 |  |
| Implement all the detail of SPQ | In Progress | Domingo | 4/20 |  |
| Implement all the detail of DRR | In Progress | Kei | 4/26 |  |
| Use different services in the simulation application | In Progress | All | 4/21 |  |
| Create and read config file | Completed | Tae | 4/3 | 4/7 |
| Set up Boolean condition to set up SPQ or DRR | Completed | Tae | 4/5 | 4/7 |
| Configure DiffServ with the given input mode and config variables in the main application | In progress | Tae | 4/21 |  |
| Set up Topology | Completed | Tae | 4/7 | 4/7 |
| Enable QOS for middle node | In progress | Tae | 4/21 |  |
| Set up flowmonitor to record flowstat and append to CSV file every small second | Completed | Tae | 4/14 | 4/7 |
| Write python script to run both SPQ and DRR | Completed | Tae | 4/21 | 4/7 |
| Write python script to read the output CSV file and plot the data | Completed | Tae | 4/21 | 4/7 |
| Final Report | In progress | All | 5/14 |  |

**List your major challenges so far, if any.**

* Setting up the flow monitor to report every second.
* Thinking of the detail implementation of how to classify the packets into different priority.