Test Description

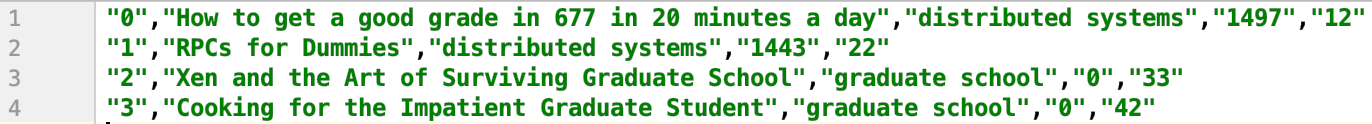
In ./docs directory, there are some sample Test Files generated by running program in Edlab. In this document, I will describe HTTP requests that I have tested and explain them.

Table1. Test File

Book Data File [after the test]:

Every line represents a book data. For each line, from left to right, each element means: itemNumber, name, topic, stock, cost

|  |  |  |
| --- | --- | --- |
| Input File | Command List File  Book Data File | "./docs/edlab\_test\_client\_command\_list.csv"  "./docs/edlab\_test\_book\_data.csv” |
| Output File | Book Data File | "./docs/edlab\_test\_book\_data.csv" |
| Client Log File | "./docs/edlab\_test\_client\_log\_file.csv" |
| FrontEnd Log File | "./docs/edlab\_test\_frontend\_log\_file.csv" |
| Catelog Log File | "./docs/edlab\_test\_catelog\_log\_file.csv" |
| Order Log File | "./docs/edlab\_test\_order\_log\_file.csv" |



Command List File:

Client will read command list file, and send these HTTP requests to FrontEndService.

A screenshot of a cell phone

Description automatically generated

After running the test, Book Data File should be changed. And Client, FrontEndServer, CatelogServer, OrderServer will generate Log File separately.

Client Log File:

Client Log File records every HTTP request it sends and their respond. We can verify the test by reading client’s request and its respond. One thing worth to be mentioned is that, the Client succeed to buy item 0 and 1. But fail to buy item 2 and 3. The reason is that item 2 and 3 are run out of stock. We can see the stock of item 2 and 3 are 0 on Book Data File.

A close up of a piece of paper

Description automatically generated

OrderServer Log File:

Client will not send “reload” signal to increase the stock of books. So we let OrderServer to send “reload” request to CatelogServer. Also, OrderServer will record every “buy” request, no matter it success or not.

A screenshot of a cell phone

Description automatically generated

Catelog Log File:

A picture containing table

Description automatically generated