PROGRAM: 420.B0 Computer Science Technology
COURSE: Transactional Web Applications 1
COURSE CODE: 420-430-LE
Weight: 10% of the final score
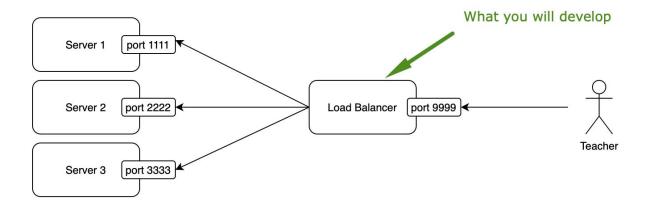**SEMESTER:**   Winter 2021
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Goal

- In order to have a basic understanding of a load balancer server, you have to implement a very simple one using NodeJs

Load balancer server specifications

- The load balancer server is a js file named : **balancer.js**
- The load balancer server will expose one endpoint : http://localhost:9999/hello
- The server will forward the request to server 1,2 or 3 in sequence (see example code for forwarding)

Example :

    Calling http://localhost:9999/hello the first time will return "Hi I'm server 1"
    Calling http://localhost:9999/hello the second time will return "Hi I'm server 2"
    Calling http://localhost:9999/hello the third time will return "Hi I'm server 3"
    Calling http://localhost:9999/hello the fourth time will return "Hi I'm server 1"
    Etc...

Running the servers

You can run servers 1, 2, 3 and balancer.js in a separated command line

Provided code

- Servers 1,2 and 3 code will be provided through a GitHub repository that you need to fork. See video for this lab for forking.

GitHub

- At least 2 commits are done in the repository
- Submit a text file with the url of your GitHub repository.

Correction grid

Item	Instruction	Points%
Load balancer	The server is running on port 9999 Calling http://localhost:9999/hello the first time will return "Hi I'm server 1" Calling http://localhost:9999/hello the second time will return "Hi I'm server 2" Calling http://localhost:9999/hello the third time will return "Hi I'm server 3" Calling http://localhost:9999/hello the fourth time will return "Hi I'm server 1"	5 15 15 15 20
Github	At least 2 commits are done in the repository GitHub repository with the complete project	10 20