# Cloud Computing

CS571 - SFBU

# **Technology: (Cloud Computing course)**

# **Javascript and Node.js:**

- 1. The problem was to create a node.js server and to return a object with the requested format.
- 2. The ppt with the response and code is attached.

## Solution:

I added a new condition to check if the param in the route is of currenttime. If so, the current time is returned and formatted into a JSON object.

#### Design:

A new function of currenttime was also added to format to the requested format.

#### **Modification:**

The server is now listening to the port 8000, without needing to pass as CLI parameter.

### Ownership:

The code developed was a improvement and modification of a given code. It was not developed 100% by me.

```
var http = require("http");
var url = require("url");
function parsetime(time) {
   minute: time.getMinutes(),
   second: time.getSeconds(),
function currenttime(time) {
   year: time.getFullYear(),
   month: time.getMonth() + 1,
   date: time.getDate(),
   hour: time.getHours(),
   minute: time.getMinutes(),
function unixtime(time) {
 return { unixtime: time.getTime() };
var server = http.createServer(function (reg, res) {
 yar parsedUrl = url.parse(req.url, true);
 var time = new Date(parsedUrl.query.iso);
  var result;
var now = currenttime(new Date());
  if (/^\/api\/parsetime/.test(req.url))
   result = parsetime(time);
  else if (/^\/api\/unixtime/.test(req.url)) result = unixtime(time);
 else if (/^\/api\/currenttime/.test(req.url)) result = now;
   res.writeHead(200, { "Content-Type": "application/json" });
   res.end(JSON.stringify(result));
   res.writeHead(404);
   res.end();
```

The solution I developed was a modification of the given code and implemented in a way that it is now able to check and return the current time.

The solution was improved and not developed from zero.