**HO CHI MINH INTERNATIONAL UNIVERSITY**

**UNIVERSITY OF SCIENCE**

**INFORMATION TECHNOLOGY**



**Introduction of Software Engineering**

**INDIVIDUAL CODING ASSIGNMENT 01**

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| **Teacher:** | **Hồ Tuấn Thanh** |
| **Class:** | **20CLC04** |

**HO CHI MINH CITY, OCTOBER 2022**

**1. Information:**

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| **MSSV** | **Họ tên** | **Vai trò** |
| **20127402** | **Bùi Thanh Lâm** | **Backend** |

**2. Overview:**

* My role in Project is backend
* **Coding language**: Javascript
* **Tools:** 
  + NodeJS: Environment to code backend and link with database.
  + Postman: An application to help us test our server (GET, POST requests).
* **Package in NodeJS:** 
  + Body -Parser
  + Express
  + Mongoose
  + Nodemon
* **Database:** MongoDB
* **Tutorial:** https://www.udemy.com/course/ultimate-web/ (Intro to Node, Mongo, & REST APIs)

**3.API:**

* In this self – practice parts, I have learned to use NodeJS to code backend, and using MongoDB as database for my backend servers.
* I have created a simple database using MongoDB, and server support GET and POST request from user.
* 2 model from this Servers are:
  + Book
  + Author

**Text

Description automatically generated3.1 Running Server:**

Using nodemon to run Server on port 8000

**3.2 GET Request:**

**Graphical user interface, text, application, email

Description automatically generated**

GET Request (GET Author from database)

**3.3 POST Request:**

**Graphical user interface, application

Description automatically generated with medium confidence**

POST Request (Post new Author into database)

**Graphical user interface, application

Description automatically generated with medium confidence**

POST Request (Post new Book into database)

**4. Github Commits**