COMP 3133 – Full Stack Development II
Lab 04 – Mongoose Validation

Create NodeJS + Express + MongoDB + mongoose application to perform following operations

<mark>Note</mark>:
- <mark>Create **GitHub** repository and commit all your code to GitHub</mark>
- <mark>Use **Postman** to insert test the records</mark>
- <mark>Download and use given **UserData.json** to insert data and to define schema</mark>

NodeJS Project

1. Create NodeJS project having name **lab4_users_database**

2. Install required modules to work with **express** and **mongoose**

3. Create **Users** Schema in your project to declare validation

    a. **All** fields are mandatory
    b. **Username** field must have length >=4
    c. Allow only valid **email** address
    d. Allow only alphabets and space while entering **city** name
    e. Allow only valid **web** URL address (**http** or **https** is valid)
    f. **Zip** code format must be like 12345-1234 (DDDDD-DDDD, **D = digit**)
    g. Validate **phone** format like 1-123-123-1234 (D-DDD-DDD-DDD, **D = digit**)

4. Create **POST** REST API to insert document to mongoDB database and perform validation

    http://localhost:3000/users

MongoDB Atlas

https://account.mongodb.com/account/login

Creating Collections and Documents name **Users**

Submission

- Upload the ZIP file and screenshots (Postman) with appropriate title showing your REST API each validation error output.
- Also Provide your GitHub link in the comment

Reference

- Lab work done during class
- https://mongoosejs.com/docs/guide.html
- https://mongoosejs.com/docs/validation.html
- https://techeplanet.com/express-send-json-response/