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ITDEV 161-800

Project 1 Requirements

Welcome to Project-1!

This project includes:

* a website that uses the MongoDB document database
* an Express Server Backend built using the Node JS runtime, and the Express application framework.
* an API with an endpoint.

Requirements:  
  
MongoDB

NodeJS (using version 18.7.0)

Postman

Visual Studio Code

GitBash(or VS Code Terminal)

* used MongoDB to create a new Database User and whitelist an IP address
* using GitBash, set up project files using **npm init**, and dependencies using **npm install** to install express and the other dependencies we use.
* created the server.js file in VS Code and imported the express library in script.
* created custom scripts in our package.json file to run the app in production and in development.
* in /config, set up a connection to MongoDB by using the default.json. We also use db.js to define the function for connecting (connectDatabase()) to the MongoDB database.
* called the connectDatabase() function from our server class.
* create a Users.js file, which will hold our “UserSchema”. This will reside in our /models folder. The user schema will outline the required fields for a User for our project. They are:
  + firstName
  + lastName
  + username
  + email
  + password
  + date
* we also add some validation checks for the user schema in server.js. This ensures the user enters all required fields.
* code an API endpoint in our server.js class.
* create a new collection in Postman. We can use this to save reusable API requests that target our User endpoints.