Learning outcome 1: Develop RESTFUL APIs with Node JS

Indicative content 1.2 Connection of Node Js to the ES5 or ES6 server

1.2.1 Creation of basic server with Express Js

1.2.2 Application of Client Libraries

HTTP

HTTPs

Axios

Request

1.2.3 Establishment of server connection

Setup Connection parameters

Create / send Request

Handle the response

1.2.4 Test of Server Connection

Indicative content 1.3 Establishment of database connection

1.3.1 Create Database

1.3.2 Schema Setup

1.3.3 Configure Database Connection

1.3.4 Test Database Connection

Indicative content 1.4 Develop RESTFUL APIs

1.4.1 Define endpoints and HTTP Methods

Create POST End Point

Create all Items GET endpoint

Create specific ID GET endpoint

Create PUT endpoint

1.4.5 Create DELETE endpoint

1.4.6 Implementation of API endpoints

1.4.7 Use of Middleware services

Types of middleware services

Error Handling

Logging

Input validation

1.4.8 Perform CRUD operations using MySQL Database

1.4.9 Use HTTP Status code

1.4.10 Debugging RESTFUL APIs