**NODEJS TRAINING COURSE**

**FINAL PROJECT**

**ASSESSMENTS**

The final project contains 4 parts, each of which gets a trainee a maximum of 2.5 points. The trainee who can complete all the parts with the following requirements will get 10 points for his/her final project’s score. Minimum required score for a trainee to pass this course is 5.

The detailed requirements for this final project are described as below:

1. **getQuote**

* Install sqlite3 (0.5 pt)
* Create RATE table, insert data into table (0.5 pt)
* Connect Node.js application to database (0.5 pt)
* Create server, route and controller for the API (0.5 pt)
* Create postman collection to test the API (at least 3 items). A response must return a correct RATE (0.5 pt)

1. **createShipment**

* Create SHIPMENT table (0.5 pt)
* Create a function to generate a 10-digit random number for “ref” field (0.5 pt)
* Create route and controller for the API (0.5 pt)
* Insert request information into SHIPMENT table after sending (0.5 pt)
* Create postman collection to test the API (at least 3 items). A response must return a correct COST (0.5 pt)

1. **getShipment**

* Create route and controller for the API (0.5 pt)
* Query from SHIPMENT table when processing request (0.5 pt)
* Return correct response when shipment is found (0.5 pt)
* Return NOT FOUND response (described in the exercise) when no shipment is found (0.5 pt)
* Create postman collection to test the API (at least 3 items) (0.5 pt)

1. **deleteShipment**

* Create route and controller for the API (0.5 pt)
* Return correct response when shipment is found. Shipment must be not found when calling this request again (0.5 pt)
* Return NOT FOUND response (described in the exercise) when no shipment is found (0.5 pt)
* Status and message must be correct as defined (0.5 pt).
* Create postman collection to test the API (at least 3 items) (0.5 pt)