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| Faculty of Applied Sciences and Technology |
| **NODE/EXPRESS WEB API** |
| ITE5315 - Project |
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| **4/11/2022** |

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| This document explains how to build Node/Express Web API …………………………. |

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# Question 1:

(Describe the major steps for implementing the MongoDB database in Atlas )

Firstly, we start of by making a secure and successful connection to our mongo atlas database using the connection string. Then, we access the collection which we tend to target. There might be various tables in a collection. For this, we need to build a certain schema based model so that it is easily accessible. Then, as per our application’s requirement, we can easily implement the CRUD commands.

# Question 2:

(Describe the major steps for implementing Routes in the API, how you test this program, add some screenshots of the output)

First off, we successfully implemented all the routes using the app.js directly. This is something we have already done in our assignments. Then, we started to migrate those functionalities to functions in a separate file. We used the ‘modules.export’ functionality to use these methods in our app.js. For testing purposes, we used the thunderclient tool from VS code itself. We queried the mongo atlas using various http headers like get, post, put, delete as per the requirement of the question.

# Question 3:

(Describe the major steps for designing the FORM/UI, how you test this program, add some screenshots of the output)

# Question 4:

(Describe the major steps for implementing security features, how you test this program, add some screenshots of the output)

# Question 5:

(Describe the major steps for deployment)

# Question 6:

(Describe the major steps for designing the bonus question)

# Summary

(Describe how did you divide the work, share your feedback about this project like new points that you learn, challenges, …)