Workshop 9 – NoSQL database

**This workshop is worth 2.5%**

**You must demonstrate your completed workshop to your tutor in your lab to receive the marks.**

In this week's lab you'll create a basic product management system using both angular and express.

**Task 1** – Product and add pages

Create a new angular project that contains three pages:

* Products
* Add Product
* Update Product

**Task 2** – CRUD routes

Create a folder “server” and copy the files you carried out in last lab into this folder, including **app.js,** **create.js add.js**, **remove.js, update.js,** and r**ead.js.** Do some necessary npm operations. Modify **create.js add.js**, **remove.js, update.js,** and r**ead.js** files for the following purposes:

1. Set up a route that gets a list of all products and returns them as a json object.
2. Add a create route that allows you to add new products.
3. Add a remove route that removes a product using its product id.
4. Add an update route that allows you to update each product by passing it the id of the product to update and updated product data.

**Task 3** – Connecting angular and express

Connect each route to your angular project using a post request.

**Task 4.1** – Adding a Search Box.

Add a search input at the top of the products page.

**Task 4.2** - Text Searching with Mongo -- Back-End

Create a new search route that searches the product collection. The text search should try and find matches in both the product name and description.

**Task 4.3** - Text Searching with Mongo -- Front-End

link your new search route to angular using a post request. After a search is run the items on the products page should be limited to the ones that appeared in the search.