Assignment 2 guide

# Task 1:

* Write a NodeJS+MongoDB+Heroku ( or PHP+MySQL/MariaDB+Heroku) application with at at least 2 functions (Example add product and search products)
* Write a guide (step by step): how to deploy (put the website) to Heroku and connect to MongoDB (MySQL/MariaDB)
* Provide pictures of implemented functions (example add product and search products)

Note: The website must be about Toys, no need impressive GUI but clear, easy to use

# Task 2:

* Discuss common cloud issues and security issues
  + Common issues of public/private/hybrid/ community
  + And section 3 of file **security.pdf**
* Provide solutions of some issues which you can
  + Solution for public/private/hybrid/ community ‘s cloud issues
  + And section 4 of **security.pdf**

**Matching assignment criteria to tasks**

**P5** Configure a Cloud Computing platform with a cloud service provider’s framework.

=>Task 1

**P6** Implement a cloud platform using open source tools.

=>Task 1

**P7** Analyse the most common problems which arise in a Cloud Computing platform and discuss appropriate solutions to these problems.

=>Task 2

**P8** Assess the most common security issues in cloud environments.

=>Task 2

**M3** Discuss the issues and constraints one can face during the development process.

* Achieved P5, P6
* Provide your **own** difficulties while developing cloud solution like debugging, deployment experience of cloud deployment. How these problems got fixed? **Don’t provide general issues**

**D2** Critically discuss how one can overcome these issues and constraints

* M3 achieved
* At least isusses and constraints are clear with effective solutions

**M4** Discuss how to overcome these security issues when building a secure cloud platform.

* P7, P8 achieved
* At least 3 security issues are provided with solution

**D3** Critically discuss how an organization should protect their data when they migrate to a cloud solution.

* M4 achieved
* Critically discuss how ATN company should protect their data once they use cloud computing.