# Work Log:

**Name and ID:** Mark Glenn

**Class:** Cloud & Green IT

**Date:** 19/ 11/2015

**State of your assignment as it stands:**

In week two a CompanyDataBase class, Job class, NameComparator class, PartTimeAble interface and tester classes were created.

**Estimation of time spent on the assignment (during the current week):**

4 hrs

**Work carried out:**

A CompanyDataBase class was created which used a private Array List and enabled employees to be added to it using an addEmployee method and a method to get Employees to return Employees in the list. A name comparator class was created which compared employees by name. This enabled a sortByName method to be created in the CompanyDataBase class. A sortBySalary method was also created which used the getSalary method inherited from the Employee class to sort employees by salary (Collections.sort). A DataBaseTester class were created to test these classes.

A Job Class was created which used methods for a Job description, rate and time and a getPrice method which calculated the price of the job (rate \* time) and also a toString method to print details to screen. A partTimeAble interface was then created which used this class so that other classes e.g. Employee (others will be added later in assignment) could do a job. The employee class was updated to include 40% of the job price added to salary. A job tester class was then created to test these classes.

**Main Difficulties encountered (plus solutions, if any):**

There were no difficulties encountered in creating these three classes and testers as they were similar to what was learned in Practical 8.

**Provide detail of any help/guidance that you received from your lecturers:**

No guidance was needed on these classes.