**Details (Internal students)**

IQ Incorporated is a young company providing IT support services in rural and isolated locations. Initially small, they have grown considerably over the last three years, to the point where they need to seriously rethink and streamline their management processes. To do this, they have decided to develop some new Windows-based software so that workers in the field can enter and collect data without needing to be online, produce on-the-spot invoices, and return material to a central repository.

You need two software packages. The first is for home base, who will use it to track jobs and assign jobs to contractors:

* Allow clients to be entered and saved in a database, providing a name, address, land line, mobile phone, business name and email.
* Allow contractors to be entered and saved in a database, providing a name, address, land line, mobile phone, employee ID and email.
* Add jobs to the database. Jobs need to be for a client, and need a short description, location, date and time, and priority.
* Assign jobs to contractors.
* Export a given contractor's jobs for a given date period, so that the contractor can access the data in their own software (see below).
* Import data from the contractor's software to update the completion date of jobs and the amount charged.

The contractor's software is a simplified version of the above. It needs to:

* Open a list of jobs provided by IQ Incorporated.
* View the job and client information.
* Mark jobs as completed.
* Add a short description of the job, and the amount charged.
* Print a numbered invoice covering the description, client's details, contractor's name, and fee.
* Export the data so that it can be added back in the home base system above.

**Note**

This must use a database. You can use Access if you wish, SQL Express, or any other SQL database. The database must run without any new software in the labs.

**Groups**

This can be completed in groups of 3-5.

Last modified: Sunday, 27 May 2018, 11:51 PM

Hello Adam,

I have some questions about assignment.

* Assign jobs to contractors

1. Is there just one contractor?
2. If no, how to put list of contractor in database? hardcode or through form.
3. Assign jobs to contractors on what basis?

* In contractor side

1. If multiple contractors. Do they need to logIn first?
2. Can u please explain more about this line

“Export the data so that it can be added back in the home base system above”

Thanks,

Gurpreet Singh

the decision tree classifier helps to predict full 54 prediction sets with 0 errors. As we move to classification report and the accuracy of the model it helps to attain 100%. So, there is no doubt that decision tree classifier is best way for prediction. However, if we optimize the classifier we still got 100% of accuracy.

All errors are severe, predicting rain for a day without rain is not negligible error. As this whole project is based on correct prediction of rain tomorrow. If we predict rain but do not rain then our whole project and work is useless and incorrect.