

ASSIGNMENT – POLYGLOT PERSISTENCE

T USGODA ARACHCHI | DATABASE II | CS 2016

- Following assignment is the only assignment you will be getting for NoSQL section. Therefore, this is a mandatory one.
- This is an individual assignment.
- You can start doing this assignment from this week. Final deadline would be 5th December 2016.
- It is required to submit all design and implementation details including queries, algorithms and the requested reports by the deadline. Marking is done only based on the submitted document by the deadline.

AutoSmartWorkshop

AutoSmartWorkshop undertakes vehicle repairs. The spare parts shop makes the workshop jobs run smooth by supplying necessary parts required.

During this assignment, you need build a Nosql solution to generate some informational reports.

#	TASK
1	Data feeding solution: from a CSV file to a suitable NoSQL database. You can plan the data to be inserted as needed for the following tasks. Please make assumptions.
2	Represent Vehicle Category, Vehicle Type, workshop job category, spare parts, etc... relationship in a suitable database
3	Describe how this system could be used for early vehicle problem identification and generate a report to pre-order items (if stocks not sufficient) to supply parts for such vehicle problems.

Note:

You need to produce design document(s), implementation details, including queries, reports and algorithms. Please clearly mention all the assumption you took for the solution(s).