**Mid-term assignment write up**

For this assignment, I intend to use the model view controller framework to build the task application. Basic use case: generate task model, task controller and install the CRUD feature for tasks. Each task should consist of a title, a description for the task, an importance level (integer from 1 to 10), tags so that each task has a type. Active Record Migrations is used to create a database, generate a join table so that the details of each task can be listed down in an orderly manner, and ultimately a schema dumping is done for quick lookup of the Active Record object **task**.

At the beginning, the setting up of rails posed some problem for me as according to many help websites, some of the rails version have problems like missing SQLite3 during installation or missing coffeescript in rails 5.1 which I then had to manually add or update rails.

Currently, my issue at hand is particularly understanding all the in-build rails functions and that the library for all these shortcuts in making rails efficient is not as succinct and concise like the java API. Debugging in rails is also not easy: Since we are using an unfamiliar programming environment like rails, I encounter many foreign and unfamiliar errors that took me some time to debug and guess where have I made the error. It is also probably because rails has many directories and I do not know in which file have I made the error. My unfamiliarity in rails also lies in the fact that generating MVCs are segregated and adding a new resource requires me to generate model, controller and create a html file for viewing instead of having one command that does everything for me. It has the potential to cause a problem like matching the plural form of the word with singular form (Articles and article, categories and category) which might cause a mismatch between controller and model.