

# Diploma of SWD – Semester 1 – End of Semester Challenge

You have 3 hours to complete the following

The following resources are available on the LMS:

- Dip\_Challenge\_1\_ERD.pdf
- Dip\_Challenge\_1\_Data.xls

Based on these resources do the following:

1. Select a suitable industry standard toolset from which to build, deploy and manage your database project.
2. Build the database as per the ERD & Sample Data.
3. Populate the database with the provided sample data on deployment.
4. Deploy the database to a cloud service
5. Create a RESTful Web API based on your database.
7. Deploy the API to a cloud service.

On completion inform your teacher who will complete an observation checklist to assess your work in real time.

Be prepared to use Postman to demo your API's ability to perform CRUD operations.