Based on these resources do the following:

1. Find the requirements outlined for the application to be built in this assessment, consult with your client (the assessor) that the requirements are correct.
2. Confirm with your assessor that there are no applicable legislative or organisation standards or procedures that need to be applied to the application being built in this assessment.
3. Select a suitable industry standard toolset from which to build, deploy and manage your database & API projects.
4. Build the database as per the provided ERD & Sample Data.
5. Populate the database with the provided sample data on deployment.
6. Deploy the database to an appropriate cloud service.
7. Create a RESTful Web API that provides full CRUD functionality for your database.

As a part of this create an ORM (model) that is a correct ‘translation’ of the structure of the database.

7.1 Ensure your ‘Order’ class contains the two methods that do the following.

* + - 1. calculates the total value of the order
      2. calculates the GST payable on the order (at 10% of order value)

7.2 Create a class diagram documenting your ORM including the methods indicated in item 7.1

1. Create a (Unit) Test Plan for Order class.
2. Create a Unit Test Project and write the unit tests as indicated in your test plan.
3. Document the results of your unit tests in your test plan.
4. Review and Debug the code for your API
5. Deploy the API to an appropriate cloud service.
6. Using an appropriate tool, create a User interface that allows:
   1. a user to create a new order from existing products and customer.
   2. a user to edit an existing order by adding another product
   3. a user to delete an existing order
7. Perform User Acceptance Testing (i.e. Demonstrate your work from your assessor)

    The demonstration will primarily be done in postman, however at least one API call must be demonstrated

     in each of 2 browsers and on at least 2 machines, discuss with your assessor to clarify.

     Make updates based on any feedback your assessor provides.

1. Answer the related Knowledge Questions.  Find in Diploma Challenge 1 - Questions [Diploma Challenge 1 - Questions (instructure.com)](https://swinburne.instructure.com/courses/44232/assignments/475819)
2. Upload your completed work to canvas

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