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Course: Data Modeling
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Q3. You have been asked to create a database for a small coffee shop. It currently contains all of their data in old file cabinets. They suddenly want to go digital, and have a web presence. Try to summarize your strategy in addressing this project.

1. Collect data from the old cabinets

First, I will collect all of the data from the old file cabinets and find out what kinds of data they already have. Ideally, I can get the information about tables, fields, and relationships between these tables and fields. After that, I can create two lists of tables and fields needed for the database

2. Interview with managers and employees

I will make appointments with managers and employees for interviews. In the interviews, I can use these lists to discuss what kinds of data they want to restore and track in the database.

3. Start to develop the alpha version of the database

According to the information provided by managers and employees, I will start to create the alpha version of the database including tables, fields, and relationships between the tables and fields.

4. Interview again with key managers and employees

I will arrange interviews again with a senior manager and a senior employee individually to make sure that the tables, fields, and relationships of the alpha version database are correct and fulfill their requirements.

5. Start to develop the beta version of the database

After I gather the comments and suggestions from the managers and the employees about the alpha version of the database, I will start to implement the beta version of the database.

6. Test

When I finish the implementation of the database, I will require one employee to manually input some data from the old file cabinets into the database, and then I will test this database. Simultaneously, I will also ask one employee to help test this database.

7. Interview again with managers and employees

Once the database is workable with no issues, I will still need to show this new database to managers and employees and instruct them how to use it.

8. Develop web service

If there are no problems in this new database, I can start developing the web database and make a connection between the web service and the database.

9. Test again

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I will still need to test the database and web service myself and require one employee to help test them once more.

10. Complete this task

If there are no issues, this task will be complete.