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COP4710 Database Systems

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**Chapter 1**

**Checkpoint 1.1**

2) The new data given adds to a list with information that is not related.

3) This is not a database because the information inside of the list is not related.

**Checkpoint 1.3**

1) The database is implemented in the development phase.

2) In step 5a the user will test the database and return it to the software engineer until it is satisfactory.

3) Step 1 is the requirements phase where the user describes the database to the Engineer.

**Checkpoint 1.4**

1) Phase 1 is the Requirements phase, in this phase the user will describe the data going into database as well as how they intend to use the database once implemented. Phase 2 is the Specifications phase where the designer will create grammatical descriptions and diagrams. Phase 3 is the Design phase where the ER diagram becomes finalized after user approval.

2) The designer and the user will be the players in the cycle.

3) Written communication more persistently describes the understanding between the two parties involved in the design of the database.

**Chapter 1 Exercises**

2) Sally will write down what Fred says into grammatical descriptions and give them back to Fred to see how accurately they state his needs.