

Lesson 5 – Chapter 4 Wild Wood ERD

1. *Review all the requirements and business rules.*
2. *Define your entities and attributes and the relations that exist between them.*
3. *Create a logical model using crow's feet notation in Visio or hand draw it on graph paper, if you prefer.*
4. *Add all the entities and their attributes. You don't need to worry about data types for now.*
5. *Identify the key fields for each entity and the foreign keys.*
6. *Analyze the diagram. Identify which role (i.e., domain, linking, lookup, or weak) each entity plays in your database.*
7. *Have another student or a group review it for the following:*
 - a. *Are all the major components of the Wild Wood Apartments business model represented by domain entities?*
 - b. *Does each entity contain the appropriate attributes to fully describe it and meet the business rules you have gathered so far?*
 - c. *Does every entity have an appropriate primary key defined?*
 - d. *Are all many-to-many relationships resolved into one-to-many relationships by linking tables?*
 - e. *Are the relationships valid (no cross relationships)? Is the appropriate entity defined as the one side of a one-to-many relationship? Do the tables have appropriate foreign keys? Also check for other such issues.*
 - f. *Are lookup tables used for attributes that have a set list of values?*
8. *Documentation: Be sure to store your ERDs in your database notebook.*
1. Below is a possible ERD. Students may add Entities and Attributes that arose from their discussions. Students may also include an Entity for contractors related to the MaintenanceRequest entity and may employ more complex means for managing costs and expenses.

