# *Database Management I (420-D10-HR)*

# *Happy Valley Kennels Project*

# *Assignment 1 - Entity Definitions and the Conceptual Data Model*

Date assigned: Monday, September 12, 2016

Date due: **Thursday, September 22, 2016 11:50PM**

**Learning Objectives**

* Discover the fundamental entities in a system from user interviews, forms and business rules.
* Write meaningful definitions for an entity with respect to a business.
* Complete an entity definition matrix.
* Draw an conceptual data model using Oracle Data Modeler

***Reference:***  The Happy Valley Kennels case study

ClassHandout: Data Names and Definitions

Systems I assignment 1- HVK Business Rules

**Teams:**

|  |  |
| --- | --- |
| Team # | Members |
| 1 | Cody, Martin, Nathan |
| 2 | Jeremy, Philip, AlexB |
| 3 | Sereil-Vann, Andrew, Wei Hao, Max |
| 4 | Brae, Amir, AlexS |
| 5 | Louis, Thomas, Chris, Kevin |

**To Start:**

1. All work for the HVK project will be completed in the **Team*n*** folder in the **420-D10\Team Folders** folder on the **S:** drive. Create a folder in the team folder called ***teamn*\_D10\_A01\_Conceptual\_Data\_Model** for this assignment.
2. Download the **Entity Definition Matrix Template** from Moodle to the team folder you created in the previous step. Rename it to ***teamn*\_D10\_A01\_HVK\_Entity\_Matrix.docx**.

**To be handed in:**

1. A printed copy of the conceptual data model.
2. The ***teamn*\_D10\_A01\_Conceptual\_Data\_Model** folder should be zipped and uploaded to **Moodle**.

**To be emailed to the other team members and to the teacher:**

1. The meeting minutes

**To do:**

| **Task** | **Marks** |
| --- | --- |
| 1. Use the case study and the business rules created in Systems I to identify and define the principle entities for the HVK reservation system. Refer to the handout for guidelines on naming and defining entities. Assign a short name to each entity. Identify any known quantities. Store your entity definitions in ***teamn*\_D10\_A01\_HVK\_Entity\_Matrix.docx**. | 20 |
| 1. Identify the relationships between the principle entities and decide on the cardinality and optionality.   Draw a conceptual data model showing the relationships between the entities you identified in the previous step. Use Oracle Data Modeler to draw the data model. Create this ERD in the ***teamn*\_D10\_A01\_Conceptual\_Data\_Model** folder on the Shared drive. | 10 |
| 1. Participation in team meetings | 10 |
| 1. Quality of written English | 5 |
| 1. Organization | 5 |
| **Total** | **50** |
| Meeting Minutes (one team member only) | 15 |