

# Week 2 - Overview



## Entity Relationships: Models and Diagrams

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For Weeks 2 and 3, we will be covering Entity Relationship (ER) models and diagrams. We will then use that knowledge to develop database schemas. These skills are the necessary first steps in the process for developing any professional standard database. You will use these skills and some of the work you do here as you develop your own Project for this course.

## Task List

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Complete the following tasks to meet this week's Learning Objectives:

- **Learn**
  - Read this week's "Learn" page (next).
  - There will be a few required readings and videos to watch.
- **Due this week**
  - There will be one Quiz (which also counts as an Assignment) and one Project Step due this week.
  - You will be working on the Step 1 of your project with your Project Group.
  - You will also need to read the project instructions to get a sense of how the steps will come together.
  - If you'd be so kind, I would love if you completed this week's survey.
  - All of these are described in detail on the "Week 2 - Due this week" page.

## Weekly Learning Outcomes

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After successful completion of this week, you will be able to:

1. Explain various terminologies used when talking about relational databases

2. Explain the various kinds of relationships that entities can participate in
3. Use the Crow's foot notation
4. Model a database using the ER model

Review the [Course Learning Outcomes \(https://oregonstate.instructure.com/courses/1727186/pages/start-here-overview\)](https://oregonstate.instructure.com/courses/1727186/pages/start-here-overview).



**Return to Modules**

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