# Object Oriented Programming

* Create a class model for a Recipe Book Diagram.

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| Recipe Book |

* + How would you add a User context to the Diagram?
    - By defining a **User** model with properties:
      * Id, First Name, Last Name.
    - Creating a many to many relationship between the user and the recipe.
    - One user can have multiple recipes, and one recipe can have multiple users.
  + How would you model the Unit, Skill Level?
    - By defining a **Unit** model with properties:
      * Id, Name.
    - Creating a one to many relationship. One ingredient can be measured in multiple units.
* Model an additional “User” entity
* Let’s say that the recipes are submitted by some “users” and only they can edit them. So when you open a “recipe“ you can see how submitted it.
* You would also like to check particular user’s submissions (his recipes) and see his level of expertise.
* Based on the Seminar Class Diagram create class model

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| Seminar Class Diagram |

* Based on the Exam Diagram create class model

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| Exam Diagram |

* + If you need to add a “Student” Entity how would you model it? And How would you connect it.
  + If you need to add a “Subject” Entity how would you model it? And how would you connect it.
* Based on the Library Diagram create class model

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| Library Diagram |

* Model a ”Family Three Hierarchy”.
  + Try to fill in a some data.