Exercise: Designing Classes

* Design classes to represent the following "things" in the given enterprises. For each one, describe the class in English, then draw the class diagram.
  + A student at a university.
    - A person who attends a higher level school to gain an education and to earn a degree in hopes of finding a job in their field of study

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| Student |
| Name  Age  Student  GPA  Address  Major  Year  Classes taken |

* + A faculty member at a university.
    - A person whose job it is to teach a specific subject at a higher level school

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| Faculty |
| Name  Faculty ID  Department  Salary  Classes being taught |

* + A work of art that is displayed in a gallery or museum.
    - A visually interesting project created by someone, that is intended to be displayed to the public and possibly purchased.

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| Art |
| Name  Artist  Price  Date created  Type of art |

* + An automobile that is registered with the Motor Vehicle Department.
    - A technology powered by an internal combustion engine, electricity, or a combination of both, that serves the purpose of transporting people at high rates of speed, whose information is entered into a government database comprised of all other instances of this technology.

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| Automobile |
| Make  Model  Year  VIN  License Plate number  Owner  Color  Insurance |

* + A pizza that is on the menu at a restaurant.
    - A traditional Italian food comprised of dough, sauce, cheese, and a variety of meats and/or vegetables

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| Pizza |
| Description  Size  Toppings  Price |

* + A piece of furniture.
    - A manufactured object that is designed with the intent of providing the user with a comfortable place to sit, lie down, or otherwise relax

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| Furniture |
| Name  Purpose  Dimension  Material  Color  Price |

* The solution to this exercise will be discussed in class