

# Project Step 1: Project Outline + Database Outline

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**Due** Monday by 11:59pm    **Points** 5    **Submitting** a file upload    **File Types** pdf  
**Available** until Apr 20 at 11:59pm

## Aim



I want you to work in a Project Group to create a proposal for the Project, at most 3 pages in length. This assignment forms the basis of what your Project will be and what your database will look like. After viewing the lectures this week you should have an idea of what kinds of things databases are used for as well as the basic definitions of entities, relationships, attributes and various kinds of constraints.

Your Project should have at least 4 entity tables (4 different 'things' in your database) and at least 4 different relationships of which at least one must be a many-to-many relationship (like the Certifications in the ER Model lecture). Your proposal should explain the project and outline the 4 entities and 4 relationships in detail as described below.

## Deliverable

A **single PDF** containing:

### a) Outline

This should give us an overview of the topic. If we need some context about an obscure topic to understand how your project website functions, it should go here. Basically, introduce us to your topic.


### b) Database Outline, in Words

You should describe, in detail, the entities, properties, and relationships of your project. Each property should be described in detail with what data type it would have and what constraints apply to it. If there is something special about a relationship in your project, it should be also described here.

All further steps of the Project development will be graded based on if they match your description of how the entities and relationships work. If you don't go into detail, the grader will use their best judgment, which will be final. For example, if we think a product should only be on one aisle in a grocery store but you think it should be available in multiple aisles and you don't clearly state this assumption in this assignment, you will likely lose points in the further steps of the project when your website allows the product to be made available in multiple aisles.

## How do I work on this assignment?

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You can refer to this [Sample Project Outline & Database Outline](#)  as an example. Note that this is an *incomplete* sample with only one Entity included with all its attributes, data types, and constraints.

## Frequently Asked Questions

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***Q. Can my Project be based on this obscure novel? Can I have some items in the store in my Project given away for free? Can vampires in my Project world be traders of garlic? Can students in this University (in my Project) be given free points without having to complete their assignments?***

**A.** Yes. Anything can happen in your Project world and you are the master of that universe. The only thing we require is that you describe in detail any such quirks and deviations from general expectations. To be on the safe side, describe your world like you would to a layman.

***Q. Can I change various things in my Database Outline in later Steps of the Project?***

**A.** Yes. But, you would be required to supply the changed version of Project Outline + Database Outline.

***Q. Can I change my Project idea completely, later?***

**A.** Yes. But again, the changed version of this Step should be supplied in later steps.

## Points

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This is worth 5 points of your Project grade. As you would remember from Step 0, late submissions are not allowed for Project Steps.

The rubric is [here](#)