

CRUD Application--- Home School Class/Curriculum Planner

Unique API endpoint: <https://crudcrud.com/api/622c04bc04d64f73b4857dd36b1e8544>

```
Unit Class {  
  id: <integer>,  
  name: <String>,  
  curriculum: <array of strings or maybe just a string>,  
  assignments: <array of assignment-objects>,  
}
```

```
Curriculum {  
  id: <integer>,  
  title: <string>.  
  author: <string>,  
  isbn: <string>  
}
```

```
Assignment {  
  id: <integer>,  
  name: <string>,  
  due-date: <string>  
}
```

CREATE. This would consist of a function which we would call when a new Unit Class is being added to the table. The program calling the function would supply the value for “name”. After this function is called, there should be a new entry in the Unit Class resource corresponding to this new class. Additionally, the new entry is assigned a unique id, which can be used to access this resource later. Then within a given Unit Class could be added “curriculum”, and “assignments” (like a house with rooms).

READ. This would consist of a function which would be called to see all of the Unit Classes currently in the table. These function calls would not alter the Unit Classes in the table- it would simply retrieve the resource and display the results. We would also have a function to retrieve an individual Unit Class, for which we could supply the name. Again, this Unit Class would not be modified, only retrieved. Then beyond that we would have a function that we could call to see all of the assignments and curricula within a given Unit Class.

UPDATE. There should be a function to call when information about Unit Class must be changed. The program calling the function would supply new values for “name,” “curriculum,” and “assignments.” After the function call, the corresponding entry in the Unit Classes resource would contain the new fields supplied.

DELETE. Delete — There should be a function to call to remove a Unit Class from the catalog. The program calling the function would supply the name to identify the Unit Class, and then this Unit Class would be removed from the Unit Classes resource. After this function is called, the Unit Classes resource should contain all of the classes it had before, except for the one just deleted. There will also need to be functions to remove curricula and assignments from a given Unit Class with the same functionality.

