**Database structure problems & suggestions**

**Categories:**

**Suggestions:**

1. allow categories to belong to multiple parents.
2. include path column, to record the path of the category IDs used by the current category.
3. include a level column to identify the current level of the category.

**Problems:**

1. active should use int or small int.
2. parent\_id should not allow null.
3. name should not allow null.
4. active should not allow null.

**Products:**

**Suggestions:**

1. Have a separated product detail table.
2. Include attributes column to help product table scalability.

**Problems:**

1. name should not allow null.
2. active should not allow null.

**Category Products:**

**Suggestions:**

1. include a position column to determine the order shown on the page.
2. include a is\_parent column to help determine a new attribute should be added to it when users load categories from the table.

**Problems:**

1. category\_id should not allow null.
2. product\_id should not allow null.
3. active should not allow null