**Project: My Auction**

**Limitations**

Team 10

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In this “My Auction” database system, our team mainly faced with three limitations listed below and need to be improved.

**Limitation 1:**

If a query returns no data, this system would give an empty table with its attributes. In addition, if one attribute’s content is null, this system would show us an actual “null” for varchar2 type and ‘0’ for integer type. As a result, the generated view is not very beautiful and clear for customers. We want to avoid this situation by display a blank instead of null. But since the Oracle has a default for this, we haven’t realized this displaying level.

**Improvement 1:**

Within a deeper understanding of Oracle and JDBC, we might have the ability to inform the system that this field should be empty and do not show a “null” for us.

**Limitation 2:**

When a customer wants to put some products for auction, the system asks him to input a correct category. But if the customer enters a category wrongly, we could not notice this mistake, since the system does not have the ability to judge whether the product is belonging to this category.

**Improvement 2:**

If we can have a wide range of categories with lots of products’ names in it, the system could detect whether the new product is in some of these categories. And if this category does not match the one provided by the customer, the system could give out a warning to inform him.

**Limitation 3:**

There exists a situation that once we enter a username or choice, it cannot be modified. Thus, if one types wrongly and goes into a function he originally does not want to, he has to go through all this function and enter all the required fields. This is very inconvenient for our customers.

**Improvement 3:**

If we could add more functions for customers, such as “View Previous”, he would have the ability to retype the choices. But time is limited for this project; we did not go that much further to optimize our system.