

**Operation:** add\_item(UPC, name, category, attributes)

**Cross references:** Use Case 1: Add an Item

**Preconditions:** User must have entered the details of the item, including UPC, name, and category.

**Postconditions:**

- Instance of Item *item* was created.
- *item*'s upc, name, category, date\_added, and date\_modified are all set using information in the parameters and the current date and time.
- An Attribute *attribute* is instantiated and its key and value are set with the input data for each of the optional fields provided.
- Each Attribute created is associated with item.

**Operation:** edit\_field(value)

**Cross references:** Use Case 6: Edit an Item

**Preconditions:** An editable field exists and has a valid value

**Postconditions:**

- The item's attribute is changed
- The editable field has been replaced with a static field