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CS 3354 Project 1

Work Request System

Use Case Document

**Shared Functions**

**View work requests:**

Precondition: customer’s work request list is not empty and

Postcondition: work request statuses are printed for every work request belonging to the requester

**Login:**

Postcondition: A menu is printed out for this person to view and interact with.

**Customer**

**Submit request:**

Precondition: customer has a name and address and there exists a part type that is needed for the work request.

Postcondition: a new work request object is created using the customer’s name, address, and part and added to that customer’s arraylist of work requests that belong to them.

**Employee**

**Work:**

Precondition: employee has a work request assigned to them with status “open”

Scenarios: - Employee will work on the given work request

* If there is none of the part required in stock work cannot be completed, employee must order more first.

Postcondition: status of workorder changed to “closed” if completed, or “part” if awaiting parts

**Add tenant:**

Precondition: a tenant with the given name doesn’t already exist

Postcondition: a new tenant is created with a name and apartment number

**Remove tenant:**

Precondition: a tenant with the given name exists

Postcondition: the given tenant is deleted from the system.

**Order part:**

Precondition: A part exists, and a stockroom array exists.

Postcondition: the quantity of the ordered part is increased by 3.

**Boss**

**Assign work:**

Precondition: a work request exists and an employee exists  
 Postcondition: work request is now assigned to the employee