**Project 1**

**Due: Oct 6, 2017 @ 11:59pm**

**ENTITY DESCRIPTIONS**

VOLUNTEER: A VOLUNTEER represents a person who donates their time to complete TASKS for the organization. A VOLUNTEER can be assigned zero to many TASKS. Each VOLUNTEER will have a Volunteer ID, name, address and phone number

TASKS: A TASK represents an assignment given to a VOLUNTEER by the organization. Each TASK can have zero to many VOLUNTEERS assigned to it. A TASK can also be assigned zero or one PACKING LIST. Each TASK will have task code, task description, task type, task status, star time and an end time

PACKING\_LIST: A PACKING LIST represents a list of PACKAGES assigned to a TASK. Each PACKING LIST can be assigned to zero to many TASKS. A PACKING LIST can also be associated with zero to many PACKAGES. Each PACKING LIST will have a list Id, list name and a list description.

PACKAGE: A PACKAGE represents container that holds many ITEMS. A PACKAGE can only be associated with one PACKING LIST. A PACKAGE can contain many ITEMS. Each PACKAGE will have a package Id, item id, date created and the weight

ITEM: A ITEM represents a single unit that makes up a PACKAGE. May ITEMS can be contained in a PACKAGE.ITEMS will have a Item id, item description, item value and item quantity.

**RELATIONSHIPS**

Each VOLUNTEER is assigned to zero or more TASKs, but each TASKs can be assigned to zero or many VOLUNTEERS.

Each PACKING\_LIST can be assigned to zero or more TASKS, but a TASK can only be assigned to one PACKING\_LIST

Each PACKAGE is associated with only one PACKING\_LIST, but each PACKING\_LIST can be associated with only one PACKEGES

Each ITEM can be contained in many PACKAGES, but each PACKAGE can contain many ITEMS

**ASSUMPTIONS**

If a package is assigned to a task, does it need to be assigned to that task though a packing list? YES