

DATABASE DESIGN ASSUMPTION

CARNIVAL

- only one carnival running in a particular day.
 - Every carnival must have at least one sponsor.
 - The limit of the sponsor is \$9,999,999.
 - a carnival must have at least one event at the planning stage.
 - a carnival does not have to require any volunteer at the planning stage.
 - a carnival does not have to sell anything at the planning stage.
-

SPONSOR

- a sponsor only has one contact person within a carnival, but can have different contact persons in different carnivals.
-

COMPETITOR

- different competitors can fill in the same emergency contact and guardian.
 - one person can be an emergency contact for different competitors.
 - one person can be a parent/guardian for different competitors.
 - For the sake of privacy, I use contact name other than phone as primary key.
 - the names of emergency contact and guardian contact are unique.
 - the front-end web site already enforces competitor under 16 years of age fill in the parent/ guardian details.
-

ENTRANT

- entry number is unique across carnivals.
- one competitor can be assigned with several entry numbers across carnivals
- every competitor can only enter one event per carnival
- forming and participating a team is optional for an entrant

TEAM

- team member must in the same carnival, but do not have to attend the same event.
- both a team charity and an individual charity would exist of the particular entrant, they can be different. And both of them are optional.
- a team contains at least 2 entrant

MERCHANDISE

- order number is unique across date and carnivals.
- Delivery fee is dependent on both delivery mode and number of items ordered
- merchandise is carnival specific
- anyone has registered as competitor can purchase merchandise, no matter he or she entered an event.

VOLUNTEER

- a volunteer who has not been assigned any role will be included in the database, since the manager has not contact he or she yet.