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Project: Gift Registry

Entity Relation Diagram Documentation

The systems "starts" with the **Receiver**.

Attributes:

Each Receiver requires a unique identification key.
A Receiver has a name, password, date of birth, and contact information.

Relationships:

A Receiver Hosts an Event, so there has to be something connecting a Receiver to everyone of their Events.
A Receiver Invites one or many Givers, so Givers have to be correlated to each Event.
A Receiver Wishes_For one or many Items, so Items have to be correlated to each Event.
A Receiver Lives_At an Address.

Giver.

Attributes:

Each Giver requires a unique identification key.
A Receiver has a name and email address.

Relationships:

A Giver Attends Events, so they have to be connected to every Event they are invited to.
A Giver is Invited to Events, again, connected to Events invited to.
A Giver Buys_Item, needs to access an Item list by Event associated with.

Item.

Attributes:

Each Item requires a unique identification key, probably use an existing system (UPC).
An Item has a title and might have a department, price, or quantity.

Relationships:

An Item is bought my a Giver. A purchased status and who bought it should be kept.
An Item is wished for by a Receiver and connected to an Event.

Event.

Attributes:

Each Event requires a unique identification key.
An Event should have a date and location held.
It should also keep reference to attendees.

Relationships:

An Event is Hosted by (created by) a Receiver.
An Event is attended by Givers.
An Event is held at an Address.

Address.

Attributes:

Each Address requires a unique identification key.

An Address must be named.

An Address has location identifiable information.

Relationships:

An Address may connect to a Receiver.

An Address may be connected to multiple Events.

An Address may be connected to both a Receiver and Events.

Street.

Attributes:

A street contains Address specifics, including number, name, extension, etc.

Relationships:

A Street is a multi-valued subset of an Address.