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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.

