

Donna Donor Demo Notes

Prof Bill - Oct 2016

Donna Donor is a web application for tracking gifts in a non-profit enterprise. It is the class project of the Fall 2016 CSC 694 course at North Central College.

The demo screens for Donna Donor are here:

wtkrieger.faculty.noctrl.edu/csc694-fall2016/demo_screens

Capstone

Our class, CSC 694, is a **capstone class** for graduate Computer Science students.

Capstone classes require the completion of a “significant” software project.

Interpretation: a project that has real users.

We have a special **no-risk arrangement** with our capstone users.

- Our potential users help us with expertise and product feedback.
- We create software to solve a user problem.
- In exchange, users have *the option* to use the software created.

It's important to remember that this is an educational exercise, and we cannot promise the delivery of a system that will meet user expectations. In addition, users are under no obligation to use/install the software we create for any reason.

Conclusion: This partnership has no risk for either side.

Donna Donor

Donna is a web-based application that will be used within a browser. It will work adequately on smaller devices like cellphones and tablets, but will **not** be designed as a cellphone app, per se.

Donna is driven by three fundamental philosophies:

- **Easy to use** - Donna will be easy to use for both database techs and executives. Using Donna will not require extensive training.
- **Convention over configuration** - We will emphasize solving specific user problems. Specific answers will be chosen over a generic, customizable abilities. This will make Donna easier to use and, hopefully, more attuned to solving actual

user problems. This is also the credo of the framework we are using to build Donna, called Rails: rubyonrails.org/doctrine/#convention-over-configuration.

→ **Simple model** - Donna will be built on a simple model with three primary objects: Activities, Donors, and Gifts. In Donna, an Activity has-many Gifts. And a Donor has-many Gifts. Each Gift is owned by exactly one Activity and one Donor.

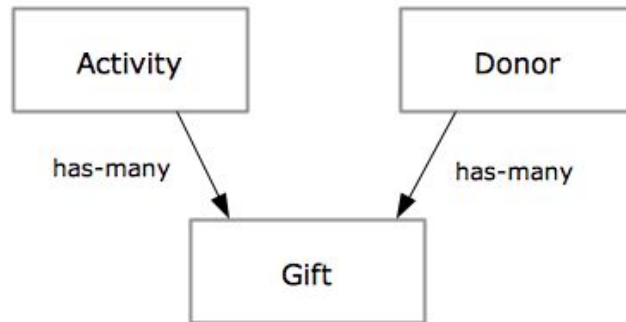


Figure 1: Donna Donor Data Model

The Donna data model can be built and surfed online. Also, the model will be used to generate PDF reports analyzing the data.

Screens Demo

The screens in the demo are not operational. They merely ex
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Feedback!

What's next?

The next steps include:

- **Code!** - We began coding Donna Donor this week. (excellent)
- **Reality** - Work with our users over the next few weeks to fill in “real” object attributes, reports, and import/export cases
- **Not Donna** - Pick a better name.

Our term ends Thanksgiving week. Huzzah!

Thanks, Bill

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