Django: Configuring Models with Recursive Relationships

Word count estimate: 1500-2000

I had to look up how to do this for a project the other day at work so I put together some notes on how it is done so, I have a lot of the content rough drafted.

**Introducing the Need for a Recursive Relationships**

* Explaining their use case with an example of an HR system where you have employees and each employee (except the president) has a manager who is also an employee

**Setting up the Django Project Structure**

* Quickly go through basic Django setup. (links to Flask vs Django for more info)

**Configuring the Routes**

* /hr/ to list all employees

**Stubbing Out the Index View Function**

* just to return text to make sure project is set up right

**Designing Our Model Classes**

* The real meat of the article where I set up a recursive parent child relationship between employee and manager

mployeeRecursive.png

**Migrating our Class Definition to the Database**

**Using Django’s Python Shell with Application Context to Explore the Relationship**

* Creating employees, manager, and the president then persisting to the database
* Querying the data back out of the database. Using orm to get employees from managers and visa-versa

**Setting Up Our View to Use a Proper Template**

* Just a plain html table to list employees with a little Bootstrap styling

**Conclusion**