1. When a model is changed (fields changed) or a new model is added, we need to use south to migrate data before the new model could be used.

For example, after I add a board model and need to create the table in database, I have to, first, auto generate the migration files; then, migrate the data to database:

lan$ **python manage.py schemamigration pinry.core --auto**

+ Added model core.Board

Created 0002\_auto\_\_add\_board.py. You can now apply this migration with: ./manage.py migrate core

lan$ **python manage.py migrate core**

Running migrations for core:

- Migrating forwards to 0002\_auto\_\_add\_board.

> core:0002\_auto\_\_add\_board

- Loading initial data for core.

Installed 0 object(s) from 0 fixture(s)

1. **Runserver get Error: That port is already in use.**

Find the pid for the manage process and kill it, then you can restart runserver:

lan$ **ps aux | grep -i manage**

lan 3967 0.6 0.5 2496992 38336 ?? S 11:11PM 0:31.10 …/manage.py runserver localhost:8000

lan 3966 0.0 0.2 636656 12596 ?? S 11:10PM 0:00.34 …/manage.py runserver localhost:8000

lan$ **kill -9** 3967