

# Explore Minnie Django BackEnd and Host On CS Server

**Goal:** We brought minnie to class to be sure each cs410 student has back-end coding experience. We used Apache2 and Django. Now we need to explore how what minnie offers can be rehosted on the CS Servers. With tech getting increasingly complicated, it's worthwhile to try to keep it simple.

## Part A: Minnie Review

1. You drew the hardware diagram for the setup to use in class (except that we went with a headless server, so no keyboard, mouse or screen, which is more like the CS servers):

Mouse	red ethernet cable	Client Laptops (students) (contain radio receivers for wifi)
Keyboard	Desktop Server OS Debian 13.3 Trixie	Router Mikrotik routerOS 7.21.3
Screen	PowerSwitch Surge Protector	Power from Grid

2. You did the LoopBack Test – fails without server setup

Student Laptops  
(contain radio receiver) – antenna for wifi)

Use web browser or command line

Domain: 127.0.0.1  
localhost.localdomain

In browser, type: <http://localhost> ENTER  
or <http://127.0.0.1> ENTER

Should see error: Connection refused, port 80  
127.0.0.1: 8080 -q -v -n

You can setup a mini Django backend on your laptop for testing. It comes with Django.

3. You accessed minnie using your assigned account and password. You edited a text message, part of the Django BackEnd code. We got Internal Server error because there were some syntax errors. Run minnie again, and avoid syntax errors. Tom Mullaly will let us keep minnie in the CS server room.

## Part B: What Minnie Offers

List the areas in which operation on Minnie is simpler. Request virtual environments with Apache2 and Django from Tom Mullaly, so you can run front-end and back-end code as simply as possible on the CS server.