Cabinetry/woodworking

Mama's New Kitchen

Design a new set of kitchen cabinets

Level 3, Level 4

2 hr+

Design, sketch, estimation

Work with the main cook in the house as your client to design a new set of kitchen cabinets. Start with the interior dimensions (wall to wall). You can move plumbing down the same wall, but not across the room if you want to put sink in different spot. Countertops must be standard 35" high with 16" between upper and lower cabinets. Lower cabinets are 24" front to back and uppers are 12" (including doors/drawer faces). Collaborate with cook about the number and size of drawers, pan drawers, trash bin cabinet, sink location, and type of woods/paint color. Feel free to make a set of drawings using pencil/paper, or one of the many online resources for your sketch. Next, draft a bill of materials (look up real prices online or use $50 per sheet of cabinet grade plywood, $3/ft for hardwood face frame, $45 for hardware, brad nails and glue, countertop is $3/sq ft). Doors and drawer faces will be made of same plywood and hardwood as cabinets so include those in your calculations. Lastly, sketch your layout to cut parts for carcasses from each sheet of plywood. Submit drawings, bill of materials, and parts layout to get your points. Extra credit: Do the same for your main bathroom!