

Ms. Speedi wants to build her dream house and would like you to design it. According to local zoning laws, she is limited to a one-story house with a maximum area of 1,000 square feet. She also has some personal requirements for this house:

- There must be two bedrooms with a combined area of at least 250 square feet.
- There should be one bathroom.
- The living room cannot be smaller than 200 square feet.
- The kitchen must be at least 220 square feet.
- The building costs are cheaper when the entire structure is rectangular. Therefore, make the overall shape of Ms. Speedi's house a rectangle.



Your Task:

- Create a blueprint of Ms. Speedi's house. Be sure to not only work within Ms. Speedi's requirements and the zoning law, but to also include elements essential to a house: a front and back door, windows, and interior doors. Add furniture if you like.
- Explain to Ms. Speedi the selling points of your design. What makes your design best? What assumptions did you make for your design? Did you need to make any difficult decisions?