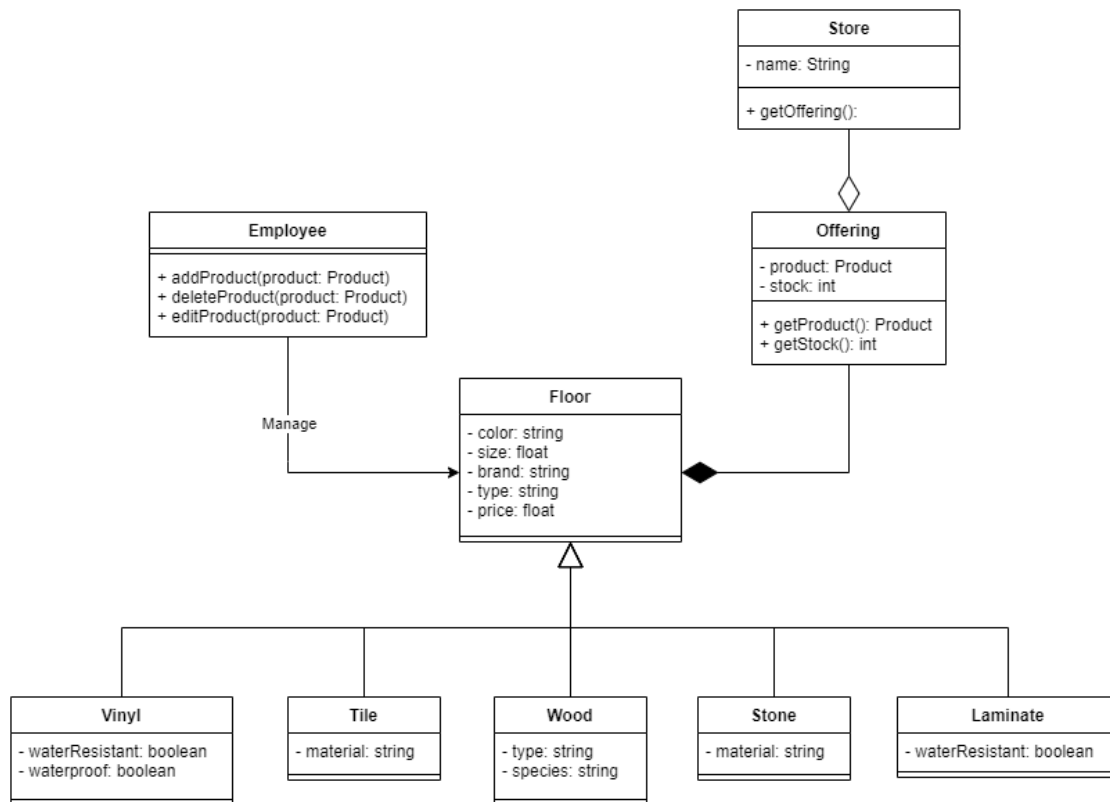## Class Diagram:

Assumptions:

- Stores are identified by their names.
- Product and Floor refers to the same entity.
- Stock refers to the amount of product measured in square feet.
- The search functionality for floors by category and type is implemented externally to the system.