

```
from django.test import TestCase

from .models import Product # Replace with your product model path

from .factories import ProductFactory # Assuming you have a factories.py file
```

```
class TestProductModel(TestCase):
```

```
    """Tests for the Product model."""
```

```
    def test_can_find_available_products(self):
```

```
        """Tests if products can be retrieved based on availability."""
```

```
        # Create products with different stock levels
```

```
        available_product = ProductFactory.create(stock=10)
```

```
        unavailable_product = ProductFactory.create(stock=0)
```

```
        # Find available products (assuming a stock field for availability)
```

```
        available_products = Product.objects.filter(stock__gt=0)
```

```
        # Check if only the available product is retrieved
```

```
        self.assertEqual(len(available_products), 1)
```

```
        self.assertIn(available_product, available_products)
```

```
        self.assertNotIn(unavailable_product, available_products)
```