**My Jewellery My Design**

**Backend Python-Django**

* **Category**

Created a table for sorting all ornaments with their category like Bangles, Rings, Nose pin, Necklace, Bracelets, chains etc.

* **Materials**

Here we can add the material by the ornament made

* **Metal**

In this table have

1. Material (we can select from table Material)
2. Name of the metal or quality (like gold 22K)
3. Image
4. Karat of the model
5. Unit price

* **Occasions**

The ornament that used for the occasions

* **Gender**
* **Stones**

1. Name of the stone
2. Unit Price
3. Added discount option for the stone
4. Image

* **Filtering**

1. Category
2. Occasions
3. Price
4. Gender

* **Search Box**
* **GST**
* **Ornaments adding**

1. Head ( title of the ornament)
2. Category
3. Metal
4. Gender
5. Occasions
6. Metal Weight
7. Karat
8. Material colour
9. Stones
10. Pendant height
11. Pendant width
12. Gross weight
13. Stone price
14. Making Charge
15. Making discount
16. Product discount
17. Sub total
18. GST
19. Grand total
20. Start rating
21. Image
22. Description

* **Login**
* **Login with otp**
* **Login with Google**
* **Login with Apple**
* **Login with username and password(optional)**
* **Wishlist**
* **Enquiry**

**Diamonds**

Diamond pricing is calculated based on the "4 Cs": Cut, Colour, Clarity, and Carat weight, which are all factors that impact the diamond's value. The value of a diamond is generally determined by multiplying its carat weight by the price per carat. However, the specific formula for calculating carat weight varies depending on the diamond shape.

Carat Weight:

Carat is the unit of measurement for the weight of a diamond.

One carat is equal to 0.20 grams.

For round brilliant cut diamonds, the formula is: (average diameter x average diameter x depth x 0.0062 = approximate carat weight).

For other shapes, the formula may vary, for example, for oval brilliant cuts: (average diameter x average diameter x depth x 0.0062 = approximate carat weight).

For heart-shaped brilliant diamonds, the formula is: (length x width x depth x 0.0059 = approximate carat weight).

For triangular brilliant (trillion) cut diamonds, the formula is: (length x width x depth x 0.0057 = approximate carat weight).

For emerald cut, princess cut, and quadrillion cut diamonds, the formula is: (length x width x depth x adjustment factor = approximate carat weight), where the adjustment factor depends on the specific shape.

Admin panel register:

from jewelleryapp.models import AdminLogin

AdminLogin.objects.create(username='admin', password='admin123')