

Target Up Curve PE 2024

Day 3 Assignment

Assignment #1

ER Diagrams and relations

"Blue Yu" is a new brand of mobile phones and accessories. The company wants to set up a web and mobile application to showcase and sell their products. In this regard, you are to create the required database tables. There are several products in a few categories.

The categories are:

- Smartphones
- Wifi devices
- Bands
- Power banks
- Headphones
- VR Players
- Charging accessories
- Bluetooth speakers

... and more categories to come in the future.

In each category, there may be one or more products. In order to showcase all these products, there may be one or more pictures (3 to 5) for each of the products. The application allows customers to browse, choose, and buy products. A customer may place an order, which consists of one or more products of varying quantity. Occasionally, the company releases coupon codes, against which the customer may get good discounts. The coupon code is entered by the customer during the checkout process. The customers can optionally re-visit the application to review the products they may have used and give ratings and feedback on them.

Identify the various entities, attributes, and relationships between entities from the above case study. Create proper ER diagrams representing the same.

Transform the ER diagram into appropriate relations (tables).
