

Model Design & Forms

Team 4

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ClassName: User

Attributes

- Username
 - Type: String
 - Description: the identification that users need to use when logging in
 - Example: zcheng
- UserID
 - Type: Integer
 - Description: the user id which will automatically generated when register
 - Example: 1/2/3
- Email
 - Type: String
 - Description: the identification and also associated with the main page when the user wants to get the discount(coupon), also it can be updated by the user in the profile page.
 - Example: zcheng@gmail.com
- Hashed_Password
 - Type: String
 - Description: the identification and can be updated by the user in the profile page
 - Example: 123456
- Address
 - Type: TextArea(String)
 - Description: the user address associated with the address page.
 - Example: 300 N craig st
 - Fname/Lname
 - Type: String
 - Description: the first name and last name included in user's address
 - Example: Zhuoran/Cheng
 - City
 - Type: String
 - Description: the city string included in user's address
 - Example: Pittsburgh
 - State
 - Type: String
 - Description: the state string included in user's address
 - Example: PA
 - Pin_code:

- Type: Integer
 - Description: the pin code included in user's address
 - Example:15213
- Phone_number
 - Type:String
 - Description: the mobile number included in user's address
 - Example:123-456-789
- Order_History(2nd Sprint)
 - Type:String
 - Description: the order id associated with the order history page
 - Order Date
 - Order Number(Order ID)
 - Order Type
 - Order Status
 - Order Detail(tracking number)

Associated Function:

- Login/register
- Identification update (included user's username, password, email)
- Address added/updated
- (2nd Sprint)Order history details shown, order status updated, order tracking

ClassName: Item

Attributes

- item_id:
 - Type: Number
 - Example: 1
 - Description: Unique identifier for a product
- item_name:
 - Type: String
 - Example: Classic Boot
 - Description: Name of the item
- description:
 - Type: String
 - Example: A cool boot
 - Description: Description of an item
- Review:
 - Type: Review Object
 - Example: ...
 - Description: one to many associations with Review model
- Category_Gender
 - Type: String
 - Description: Describe the designated gender for the product
 - Example: Women/Men

- Category_Genre
 - Type: String
 - Description: Describe the detailed categories for the product
 - Example: Shoes/Top/Bottom
- Price
 - Type: Number
 - Description: Describe the price of the product
 - Example: 150
- Item_picture
 - Type: Image
 - Description: Describe the item with picture format
 - Example: :)
- Size:
 - Type: Small/ Medium/ Large
 - Description: Describe the size of the Item
 - Example: S, M ,L

Associated Functions

- Add to cart
- Select Size

ClassName: Review

- Creator:
 - Type: UserID
 - Description: Describe the creator of the item review
 - Example: user_id_1
- Item
 - Type: ItemID
 - Description: Describe the item of the item review belong to
 - Example: item_id_1
- Text:
 - Type: text input
 - Description: The actual content for the review
 - Example: I really like these boots.
- Creation_Time:
 - Type: datetime field
 - Description: The creation time of this review
 - Example: 8:21 pm 2022/03/23
- Review_picture:
 - Type: picture
 - Description: The picture uploaded by customer review

- Rating
 - Type: Number
 - Example: 3.5; 4
 - Description: A user's rating for an item. Base out of 5.

ClassName: Item_picture

Attributes

- Item
 - Type: String
 - Example: 001
 - Description: ForeignKey to Item. One item has multiple item_picture
- ItemPictureID
 - Type: String
 - Example: IP001
 - Description: Unique Identifier for Item Picture
- item_picture
 - Type: Image
 - Description: The image file for an item

ClassName: Shopping_Cart (2nd Sprint)

Attributes

- UserID
- CartID
- ItemID

Associated Functions

- Add to cart
- Increase quantity
- Decrease quantity
- Checkout