

Sample Requirements a Conceptual DB Design to order Products

1. Regular user

- ~~1.1 A regular user shall be able to add many products to the shopping cart~~
- ~~1.3 A regular user shall create an account~~
- ~~1.4 A regular user shall have a tracking id~~

2. Registered User

- ~~2.1 A registered user shall be logged in an existing account to checkout products~~
- ~~2.2 A registered user shall be logged in an existing account to order products.~~
- ~~2.3 A registered user shall be able to checkout at least one product from the shopping cart~~
- ~~2.4 A registered user shall be able to place at least one order from the checkout products~~
- ~~2.5 A registered user shall review at least one product once they has been delivered.~~
- ~~2.6 A registered user shall receive one receipt with order summary details after placing an order.~~
- ~~2.7 A registered user shall have a unique email~~
- 2.8 A registered user shall have a name
- 2.9 A registered user shall select one default payment

3. Product

- 3.1 A product shall be ordered by many users
- 3.2 A product shall be put in many shopping carts
- 3.3 A product shall be ordered many times
- 3.4 A product shall be reviewed many times
- 3.5 A product shall be checkout many times

4. Reviews

- 4.1 A review shall be owned by only and only one registered user

5. Shopping cart

- 5.1 A shopping cart shall contain many products

6. Checkout

- 6.1 The checkout process shall contain at least one product.

7. Orders

- 7.1 A product shall be ordered many times if it was checked out previously
- 7.2 An order shall be placed many times
- 7.3 An order (once placed) shall create a receipt for the order

8. Receipt

- 8.1 A receipt shall belong to only and only one order placed
- 8.2 A receipt shall have the order info
- 8.3 A receipt shall have a subtotal for the order
- 8.4 A receipt shall have a taxes attribute
- 8.5 A receipt shall have the date when the order was placed.

9. Payment Method

- 9.1 A payment method is either credit card or paypal

10. Account:

- ~~10.1 An account shall be own by one and only one user.~~

