In this project I built a cloth collaborative filtering recommendation machine for an online clothing store using php.

This algorithm takes data of an array of cloths mapped to a unique user. The array includes:

1. The user purchase.
2. The User Wish list.
3. The product viewed by the User.

The dataset used was gathered from 10 different users, who selected (2,3, 5 or more and less than 11) purchase choices out of 20 possible items.

1. Chinos 2. Sweatshirt 3. Sleeve 4. Jacket 5. Black Cooperate 6. Turtle Neck 7. Black Jeans 8. Blue Jeans 9. Joggers 10. Hoodie 11. Gown 12. Denim 13. Bodycon 14. Jumpsuit 15. Pyjamas 16.Lingerie 17. Palazzo 18. Tshirt 19. Hoodies & Joggers 20. Vneck

The Algorithm: collaborative filtering: The machine compare the shopping pattern between two users, in order to recommend product that the user is more likely to purchase or may need.

**Scenario** : The purchase of two users

User 1: Shirt, Trouser, shoes

User 2: Cap, Shirt, Trouser

In This Case, Using collaborative filtering:

For User1: Cap in user2 purchase list will be recommended.

For User2: Shoe in User1 purchase list will be recommended.

The variables that can be altered:

1. $name : but the name must be one of the key in the purchase array. On line 20
2. The purchase, wishlist and view arrays can be altered, but it must be in the manner at which it was created, it can be padded or reduced
3. The condition for p in the for loop can be altered on line 128