Problem Statement 1 - Use Javascript

Create a recommendation based on past purchase ratings by customer.

Input : Product Name, Rating
Output : Product Name

Product recommendation criteria
   Rating
   Category
   MRP

If a customer rates a certain product above 4.5, recommend a different product with rating above 4.3. If 2 or more products have same rating, then recommend a product from the same category. If products are not from the same category, then recommend the product with highest MRP.

If a customer rates a product between 4 to 4.5, recommend a product with an average rating above 4.5. In case ratings match, the same priority of criteria should be given as above.

If a customer rates a product below 4, recommend a product from another category with the highest rating. If 2 or more products have the same rating, recommend the product with lowest MRP.

Product Categories : Glow, Dry, Acne

Products :

Vitamin C Serum - Glow, INR 1095, 4.3
Pink Clay Mask - Glow, INR 845, 4.7
Day Cream - Dry, INR 845, 4.1
Night Cream - Dry, INR 945, 4.7
Hyaluronic Acid Serum - Dry, INR 975, 4.9
Acne Busting Serum - Acne, INR 975, 4.6
Green Clay Mask - Acne, INR 695, 4.7
Day Gel - Dry, INR 645, 4.9
AHA Serum - Glow, INR 1095, 4.5
AHA Sleep Mask - Glow, INR 995, 4.3

Test Cases :
Case (1)
I/P : Vitamin C Serum, 4.7
O/P : Hyaluronic Acid Serum

Case (2)
I/P : Day Cream, 4.3
O/P : Hyaluronic Acid Serum

Case (3)
I/P : Night Cream, 3.5
O/P : Green Clay Mask