

Design a Recommendation Engine:

Description: As a part of this task, you will be implementing REST APIs using Django/Flask

T1:

Choose any database of your choice mysql/postgres/sqlite/mongodb and populate the database tables using this data

<https://drive.google.com/file/d/0BwNkduBnePt2QXRYWkZXQXk1dmc/view?usp=sharing>

Note 1: you need to create tables according to the data

Note 2: The mentioned link contains a pickle file

Your application will have Two html pages

T2:

in the first HTML page “all_products.html”, you need to call the API

<url>/products

And need to display the top 20 products in the descending order of price.

EX:



AND
Women Solid A-Line Dress
Rs. 1119 ~~Rs. 2799~~ (60% OFF)



Berrylush
Solid Styled Back Dress
Rs. 689 ~~Rs. 1499~~ (54% OFF)



StyleStone
Women Denim Pinafore Dress
Rs. 809 ~~Rs. 1799~~ (55% OFF)



W
Embroidery Tiered A-Line Dress
Rs. 1399 ~~Rs. 2799~~ (50% OFF)



Van Heusen Woman
Solid A-Line Dress
Rs. 1299



ether
Striped Sheath Dress
Rs. 714 ~~Rs. 1299~~ (45% OFF)



Anouk
Women Printed Fit and Flare D...
Rs. 719 ~~Rs. 1799~~ (60% OFF)



La Zoire
Printed Fit & Flare Dress
Rs. 594 ~~Rs. 1699~~ (65% OFF)



DressBerry
Solid Sheath Dress
Rs. 1044 ~~Rs. 1699~~ (45% OFF)



AURELIA
Printed Maxi Dress
Rs. 2999 ~~Rs. 3999~~ (25% OFF)

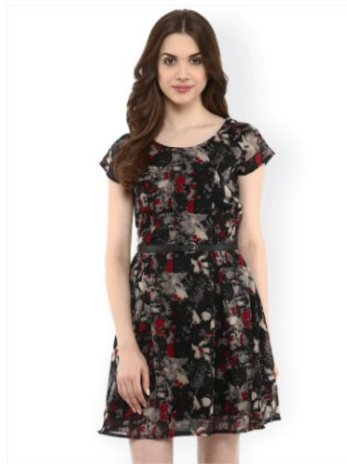
T3:

You need to go to the 2nd html page “product_details.html” after selecting any particular product from “all_products.html” in In the second HTML page, you need to call two API

`<url>/product_info?pid=<selected_apparel_id>` : to display the product image, title, brand, and price

`<url>/similar_products?pid=<selected_apparel_id>`: gets top 10 similar products to the selected apparel

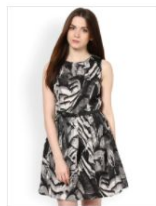
Ex:



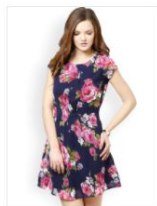
La Zoire
Black Printed Fit & Flare Dress

Rs. 594

SIMILAR PRODUCTS



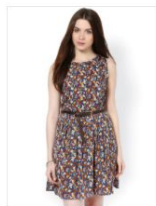
La Zoire
Printed Fit & Flare Dress
Rs. 599 ~~Rs. 1199~~ (50% OFF)



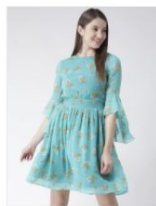
La Zoire
Printed Fit & Flare Dress
Rs. 999



Sera
Women Printed A-Line Dress
Rs. 776 ~~Rs. 1224~~ (40% OFF)



La Zoire
Printed Fit & Flare Dress
Rs. 1199



The Vanca
Women Printed Blouson Dr...
Rs. 791 ~~Rs. 1799~~ (56% OFF)



SIRIKIT
Women Lace A-Line Dress
Rs. 699 ~~Rs. 2330~~ (70% OFF)



Tokyo Talkies
Women Printed Fit and Flar...
Rs. 906 ~~Rs. 1640~~ (45% OFF)

Note 3: you don't need to consider any specific UI or UX, try to be as minimal as possible

Note 4: for the submission you need to zip all your code, and then submit it

Note 5: try to code as modular as possible

Note 6: we will be evaluating your submission based on your code, page load time, quality of the similar products