

Scent Searcher

Scent Searcher caters to an audience that wants to explore different perfumes, and the scent notes, (eg: vanilla, rose, amber, etc), they are associated with. The main users of this platform are known as scent searchers, who have a profile on the platform, and can search for perfumes by name, or by note combinations. Scent searchers can define some quite sophisticated search criteria, including specifying which notes they'd like perfumes in their results to include, and how many notes from their criteria can be missing from perfumes in search results. Scent searchers can also add a bookmark for any perfumes they're interested in, so that they can revisit these later. Scent searchers can also help each other by liking, rating, and writing reviews for the various perfumes on the platform; and the platform itself can notify Scent searchers when a perfume is added that matches on their favourite notes. The platform also allows new perfumes to be added, and Scent Searchers can view the full details of perfumes. See the project objectives for further details on what this platform must be able to do.

Project Objectives

Scent searchers must be able to maintain a profile where they specify their name, contact details (email), and favourite scent notes. Given that some scent searchers may not know which perfumes can match notes they like, scent searchers must be able to search for perfumes that match a given set of notes, and specify how many of these can be missing from perfumes in the results (note: results must show which notes in the search criteria are included for each matching perfume, and be sorted to show perfumes that have a larger count of matching notes to search criteria, ahead of results with a lower count of matching notes). The platform must also allow scent searchers to find perfumes by perfume name (where results should include partial matches (eg: a search for "fir" should also return a perfume called "first world")), allowing them to then navigate to perfume details for any results. Once they've found a perfume they like, Scent Searchers must be able to save a bookmark for it, and be able to see the entire set of all their bookmarked perfumes at any time, so that they can navigate to the details of any perfume they like in the future. To further help scent searchers find their desired scents, scent searchers must be able to like and leave reviews for any perfume on the platform, where each review must include some text and a rating out of 5; and scent searchers looking through such reviews must be able to navigate to any review author's profile. Once scent searchers find a perfume they are interested in, they must be able to view its full details, including its name, brand, description, full set of notes, an associated image, associated reviews, average review rating, and the number of likes for the perfume. Site maintainers (non-technical personnel) must be able to add details on new perfumes, including details about a perfume's name, brand, description, note composition (its full set of notes), and an associated image for the perfume. Scent Searchers would be interested to know about perfumes that include the entire set of favourite notes mentioned on their profile (here a matching perfume can include more notes than the scent searcher's favourite notes, but must at least include their favourite notes), and the platform must notify scent searchers when a new perfume is added that matches in this way, and allow them to navigate to the full details for that perfume.

Some of the links you may find interesting relating to this project are shown below. Please note that project objectives always take priority.

<https://www.kaggle.com/sagikeren88/fragrances-and-perfumes>

<https://www.fragrantica.com/ingredients-search/>