**App #13 TRAINER SEARCH APP**

**Tech Stack:** React – Express - MySQL - MaterialUI

**DESCRIPTION:**

MTD is a growing Training and Development company located in Mysuru. The Founder of the company Mr.Nithin has an experience of over 13 years in the field of freelancing and has handled over 400 programs. He has got the experience of working as a vendor too. Remember, a vendor is a company or individual who works as a consultancy by providing resources to the companies. The resources MTD provides primarily are trainers and then developers too.

MTD has a database of nearly 1000 trainers from across India. And this database is supposed to grow faster. The freelance trainers sometimes move back to development job, or they may find a permanent work or they may choose a different job or business altogether. Thus, the trainer’s data base needs to be updated frequently. Also note that new trainers join the freelancing.

The freelancing is an unorganised sector and this Application may help the vendors tremendously. It can also eliminate the need to have many employees at vendor office.

As the freelance trainers get the training requirements from the vendor’s client (software companies or colleges), we have to search the Database of trainers to match the requirement.

We search the database on mainly the technology on which the training has come up, say C++ trainer or Java trainer etc. Then the search criteria will be location, say if the training is from Bengaluru, we wish the trainer is from Bengaluru or from some nearby cities like Mysuru, Erode, Tirupati, Chennai, Hubli etc. If the training is from Delhi region, we wish to search for trainers from Northern part of Bhaarat. The other filters we can apply are, a 2nd technology, number of years of experience of the trainer, rating of the trainer etc. Thus, the App should help us in applying multiple filters while searching the trainers.

**ACTORS:** admin

**Admin Operations:**

Login/Logout

CRUD on trainers

Search Trainers with multiple filters (one or two or many)

**Tables/Collections:**

**trainers:**

id, name, location, primary\_technology, secondary\_technology, other\_technology, phone\_number1, phone\_number2, email, experience, trainer\_type, age, gender, photograph, profile, freelancer, rating, priority, commercial\_per\_day, preferred\_location

Explanation of Fields of the Table/Collection:

Rating: It is given on previous work done by the trainer on a scale of [1, 5]

Photograph type is BLOB, profile type BLOB

Rating in the trainers table/collection is the average of ratings from trainings table

Priority means if we (the vendor or MTD) prefer the trainer. This is a number on a scale of [1, 3] 3 being the trainer is most preferred and a rating 2 is that the trainer is not good and not bad, and lastly, a rating 1 is that the trainer should be avoided.

**trainings:**

id, trainer\_id, client\_name, vendor\_id, rating, technology, duration, commercial\_per\_day, start\_date, end\_date, remarks

To keep a record of trainers who delivered trainings, we wish to create another table named "trainings" which will have all details of the training which is delivered by a trainer. This table will help us in knowing the rating of the trainer, say on a scale of 5.

**admin:**

id, username, password

**PAGES:**

Menu: Logo, trainings, trainers, ratings, Logout

Home page (login page)

Logged in page: Trainers List with CRUD operations

Ratings List: search rating with trainer\_id

CRUD on trainings

For every training delivered by a trainer, new row must be added into trainings.

NOTE: if a row/document from trainings is deleted, the respective rating row/document from ratings must be deleted.