Shark Tank - Web App

F22 Labs

Shark Tank is an American reality television series that shows aspiring entrepreneurs as they make business presentations to a panel of five "shark" investors, who then choose whether to invest in the startups.

The series already has 7 seasons with multiple episodes per season.

We want you to create a web application that makes it easy for people to discover the companies that investors have invested in using various filters and options.

A user of this web platform, should be able to filter the results/companies by season, episode, investor, investment amount, entrepreneur gender. These filters can be applied in various AND / OR combinations.

When you click on a result/company, it should take you to a details page where you should display all information about the investment in that company (season, episode, list of investors, investment amount etc)

Feel free to add features as you need/feel. Be enterprising and surprise us :)

Use the following gist for data https://gist.github.com/apurvadave/3afe546bc05e4e544b24
https://gist.github.com/murtuzakz/ce40648277a1df1259f68f968be42dd4
https://gist.github.com/murtuzakz/4bd887712703ff14c9b0f7c18229b332
https://gist.github.com/murtuzakz/dc3296f4e276ad251d2fc79a377034b3
https://gist.github.com/murtuzakz/d04d4edcee26916fed616ae150274929
https://gist.github.com/murtuzakz/4ca3e8edd3695f4aba600276ac4280a3
https://gist.github.com/murtuzakz/f0518a1b8ed3911103d42e322a112bf8
https://gist.github.com/murtuzakz/7577029c25d9e231f8b4826125f72d93

You should download the file and seed the database in a relational manner (RDBMS). Have a separate table for each entity and use proper associations and indexes.

Here is a our preference of what technology stack you can use to build this app

Backend: Ruby, Node.js, Python, GoLang (use framework of your choice - Ruby on Rails/Express/Django/ Flask) Database: MySQL Frontend: Single Page application (upto you) (AngularJS, ReactJS, VueJS)

You should use Git for version control and deploy the final solution to Github/Bitbucket and share the link with us.

You should commit your progress regularly (one commit for each small feature). This helps us evaluate your approach and how you progressed through the app.

What we care about: (or Evaluation criteria)

1. How you structure the database tables (RDBMS) 2. How you structure your codebase (MCV principle) 3. How readable and reusable is your code (Hint: Don't repeat yourself) 4. How you structure your JS and CSS 5. Attention to details and the overall user experience

We're interested in your method and how you approach the problem just as much as we're interested in the end result. We'll go through your code with you afterwards, and you can talk to us about how you tackled it, why you chose the approach you did, _etcetera_.

That said, here's what you should aim for with your code:

Clean, readable, production quality code; Would we want to work with your code as part of a bigger codebase?

Important:

● Commit small changes often so we can see your approach, and progress.

● Please keep this test confidential and do not publish it online. Doing so will immediately blacklist you and your college for further opportunities.

Got any questions? Mail us to hr@f22labs.com

All the best!