

Exercise For Automation Engineer

Length: up to 3 hours

Exercise description:

In this exercise, you will need to test a server through 2 APIs:

- Search_contact
- Search_company

You need to:

1. Write detailed documentation of your process
2. Write documentation for every automated test you have written
3. For each test, describe all the inputs and output variations and failed/pass status
4. Report all the bugs/problems you have found
5. Test for API behavior
6. Check that the data been returned is meaningful and correct

APIs

POST http://34.237.139.81/search_contact

JSON body:

Request:

Field Name	Description
full_name	Contact full name to search for
company_name	Company name in which this contact is currently or previously working for
is_current_company	True if the contact is working at this company at present time, False otherwise

Examples:

If we want to search for emma davis who is currently working at Millard Public Schools

```
{  
  "full_name": "emma smith",  
  "company_name": "Millard Public Schools",  
  "is_current_company": true  
}
```

If we want to search for olivia perry who used to work at Gebroeders Van Der Lee

```
{  
  "full_name": "Olivia Johnson",  
  "company_name": "Contec Vision",  
  "is_current_company": false  
}
```

Response:

Field Name	Description
full_name	Contact's full name
phone	Contact's phone number
private_email	Contact's private email address
work_email	Contact's work email address * when is_current_company is false, no work email should be returned
company.name	The company's name
company.domain	The company's domain
company.company_size.min	The company's number of employees range
company.company_size.max	
company.revenue_range.min	The company's revenue range
company.revenue_range.max	

POST http://34.237.139.81/search_company

JSON body:

Field Name	Description
company_name	Company name to search for

Output:

Return a list of all companies, where the input is a substring of the company's name



Good Luck :)

exploration of the DB:

There are 125,000 total contacts in the DB that created from:

- 50 first names
- 50 last names
- 100 companies

Every contact is combined from first + last name from the lists (2,500 combinations),
For each of the 2,500 full names, 50 companies were chosen randomly

- 1. Contact's first names**
- 2. Contact's last names**
- 3. Companies names**

1. Contact's first names:

Emma, Olivia, Noah, Liam, Sophia, Mason, Ava, Jacob, William, Isabella, Ethan, Mia, James, Alexander, Michael, Benjamin, Elijah, Daniel, Aiden, Logan, Matthew, Abigail, Lucas, Jackson, Emily, David, Oliver, Jayden, Joseph, Charlotte, Gabriel, Samuel, Carter, Anthony, John, Harper, Dylan, Luke, Henry, Madison, Andrew, Isaac, Amelia, Christopher, Joshua, Elizabeth, Sofia, Wyatt, Sebastian, Owen

2. Contact's last names:

Smith, Johnson, Williams, Brown, Jones, Miller, Davis, Garcia, Rodriguez, Wilson, Martinez, Anderson, Taylor, Thomas, Hernandez, Moore, Martin, Jackson, Thompson, White, Lopez, Lee, Gonzalez, Harris, Clark, Lewis, Robinson, Walker, Perez, Hall, Young, Allen, Sanchez, Wright, King, Scott, Green, Baker, Adams, Nelson, Hill, Ramirez, Campbell, Mitchell, Roberts, Carter, Phillips, Evans, Turner, Torres

3. Companies names:

Millard Public Schools, Martinez-Echevarria Abogados, Connacher Oil And Gas, Bit Systems, Innovate Mr, Gebroeders Van Der Lee, Public Consulting Group, Jeugdsportfonds, Ard.Zdf Medienakademie, Hirsch International, Avery East Africa, Southeast, Bms Cat, Abacus Service Corporation, Red Arrow, Duproprio, Msg Life Ag, U.S. Tape And Label, Belam-Riga, Alzayani Investments, Fresno Chaffee Zoo, Frontline Australasia Pty, Kamer Van Koophandel, Faesa, Corna Kokosing, Visionlink, Via Technologies, Meyer Najem Construction, Amz Group, Kalido - An Ive Business, World Harvest Church, World 50, Cuyahoga Metropolitan Housing Authority, Meiko France, Palmer Food Services, World Tree, Epl, Absolute Board Co, Dryco, Petrofac Training Services, Revv, Safy, Homestead America, Powermatic Data Systems, Tech Air, Overton Industries, Helitech Civil Construction Division, Aaaa Self Storage, Hans Laser Technology Industry Group Company, Vpi Engineering, Orbit Techsol, Dadco, Autolink As, Treehouse Interactive, Inelcom, Contec Vision, Modellagroup, Chicago Zoological Society, Tanya Exports, Knight Frank Greater China, Heitman, D2O Hospitality Performance Management Technology, Casema Nv, Lasea, Wps Health Insurance, Apolent, Harkness Henry Lawyers, Adcap Network Systems, Kaunas University Of Technology, Betterworks, Solarus, Keyes Company, Vidal Group, Colorado Community Health Network, Invuity, Impressions On

Hold, Avaus Marketing Innovations, West Monroe Partners, Tps Consult, Salland Engineering, Workfusion, Recsa Argentina, Ladol, Marwell Wildlife, Allied, Any Security Printing Company Plc, Twofour54, Gvmachines, Deighton Associates, Altran Corporation, Mep Engineering, Forbes & Co, Driestar College, Eurostands S.P.A., Gold Medal Bakery, Zena Alsea, Township Of Lower Merion, Century 21 Masters, Ki Teknology, Rhenus Lupprians