React App Collaboration Exercise

Basic Search

**The purpose of this exercise is to -**

* Create a single page application (SPA) using React where the user can filter through data using a search bar.
* Get a feel of working together with our team.
* Not spend more than 2-3 hours to complete the task. If you are not able to complete it, that is totally fine. We are more interested in how you approached the problem and what you did, not necessarily the end result.

# Requirements

* The page should display a prominent search bar, and list of (filterable) results below it.
* The user can type a value in the search bar. The dataset will be filtered in real-time based on the search.
* The URL should update on every search to contain the query, and should accept a query-string query on load if one is specified. This allows for a particular search query to be shared externally.
* UI components should use [Emotion’s styled components](https://emotion.sh/docs/styled). Don’t worry if you’re not familiar with this module — the UI does not have to be complex.

# Guidelines

* For the purpose of this exercise, you can store the dataset locally in a variable. See the end of this document for an example. Bonus -- if you store the data in some file store like Firebase and fetch via an API call.
* Feel free to use any state management library you’re normally using, or none at all by using on React’s own state hooks.
* If you have time left, think about any performance optimizations or simple tests. You don’t have to implement these, but a writeup of any ideas you come up with would be a nice bonus.
* The exercise should take between two to three hours to complete.

# Interacting with Company

* For the purpose of this exercise, please reach out to us via email ([webstudiose@gmail.com](mailto:webstudiose@gmail.com)) if you have any questions. We want to collaborate with you on this small project.
* Ask us questions.
* Send us a short note on how you are approaching the problem.
* Send us a short update in the middle of your work.
* Send us a short update at the end of 2-3 hours.
* And again, send us an email if you have any questions before or during your work.

# Example Dataset

Below is an array of names that can be used in this exercise.

const DATASET = ['Aayla Secura', 'Adi Gallia', 'Admiral Dodd Rancit', 'Admiral Firmus Piett', 'Admiral Gial Ackbar', 'Admiral Ozzel', 'Admiral Raddus', 'Admiral Terrinald Screed', 'Admiral Trench', 'Admiral U.O. Statura', 'Agen Kolar', 'Agent Kallus', 'Aiolin and Morit Astarte', 'Aks Moe', 'Almec', 'Alton Kastle', 'Amee', 'AP-5', 'Armitage Hux', 'Artoo', 'Arvel Crynyd', 'Asajj Ventress', 'Aurra Sing', 'AZI-3', 'Bala-Tik', 'Barada', 'Bargwill Tomder', 'Baron Papanoida', 'Barriss Offee', 'Baze Malbus', 'Bazine Netal', 'BB-8', 'BB-9E', 'Ben Quadinaros', 'Berch Teller', 'Beru Lars', 'Bib Fortuna', 'Biggs Darklighter', 'Black Krrsantan', 'Bo-Katan Kryze', 'Boba Fett', 'Bobbajo', 'Bodhi Rook', 'Borvo the Hutt', 'Boss Nass', 'Bossk', 'Breha Antilles-Organa', 'Bren Derlin', 'Brendol Hux', 'BT-1', 'C-3PO', 'C1-10P', 'Cad Bane', 'Caluan Ematt', 'Captain Gregor', 'Captain Phasma', 'Captain Quarsh Panaka', 'Captain Rex', 'Carlist Rieekan', 'Casca Panzoro', 'Cassian Andor', 'Cassio Tagge', 'Cham Syndulla', 'Che Amanwe Papanoida', 'Chewbacca', 'Chi Eekway Papanoida', 'Chief Chirpa', 'Chirrut Îmwe', 'Ciena Ree', 'Cin Drallig', 'Clegg Holdfast', 'Cliegg Lars', 'Coleman Kcaj', 'Coleman Trebor', 'Colonel Kaplan', 'Commander Bly', 'Commander Cody (CC-2224)', 'Commander Fil (CC-3714)', 'Commander Fox', 'Commander Gree', 'Commander Jet', 'Commander Wolffe', 'Conan Antonio Motti', 'Conder Kyl', 'Constable Zuvio', 'Cordé', 'Cpatain Typho', 'Crix Madine', 'Cut Lawquane', 'Dak Ralter', 'Dapp', 'Darth Bane', 'Darth Maul', 'Darth Tyranus', 'Daultay Dofine', 'Del Meeko', 'Delian Mors', 'Dengar', 'Depa Billaba', 'Derek Klivian', 'Dexter Jettster', 'Dineé Ellberger', 'DJ', 'Doctor Aphra', 'Doctor Evazan', 'Dogma', 'Dormé', 'Dr. Cylo', 'Droidbait', 'Droopy McCool', 'Dryden Vos', 'Dud Bolt', 'Ebe E. Endocott', 'Echuu Shen-Jon', 'Eeth Koth', 'Eighth Brother', 'Eirtaé', 'Eli Vanto', 'Ellé', 'Ello Asty', 'Embo', 'Eneb Ray', 'Enfys Nest', 'EV-9D9', 'Evaan Verlaine', 'Even Piell', 'Ezra Bridger', 'Faro Argyus', 'Feral', 'Fifth Brother', 'Finis Valorum', 'Finn', 'Fives', 'FN-1824', 'FN-2003', 'Fodesinbeed Annodue', 'Fulcrum', 'FX-7', 'GA-97', 'Galen Erso', 'Gallius Rax', 'Garazeb "Zeb" Orrelios', 'Gardulla the Hutt', 'Garrick Versio', 'Garven Dreis', 'Gavyn Sykes', 'Gideon Hask', 'Gizor Dellso', 'Gonk droid', 'Grand Inquisitor', 'Greeata Jendowanian', 'Greedo', 'Greer Sonnel', 'Grievous', 'Grummgar', 'Gungi', 'Hammerhead', 'Han Solo', 'Harter Kalonia', 'Has Obbit', 'Hera Syndulla', 'Hevy', 'Hondo Ohnaka', 'Huyang', 'Iden Versio', 'IG-88', 'Ima-Gun Di', 'Inquisitors', 'Inspector Thanoth', 'Jabba', 'Jacen Syndulla', 'Jan Dodonna', 'Jango Fett', 'Janus Greejatus', 'Jar Jar Binks', 'Jas Emari', 'Jaxxon', 'Jek Tono Porkins', 'Jeremoch Colton', 'Jira', 'Jobal Naberrie', 'Jocasta Nu', 'Joclad Danva', 'Joh Yowza', 'Jom Barell', 'Joph Seastriker', 'Jova Tarkin', 'Jubnuk', 'Jyn Erso', 'K-2SO', 'Kanan Jarrus', 'Karbin', 'Karina the Great', 'Kes Dameron', 'Ketsu Onyo', 'Ki-Adi-Mundi', 'King Katuunko', 'Kit Fisto', 'Kitster Banai', 'Klaatu', 'Klik-Klak', 'Korr Sella', 'Kylo Ren', 'L3-37', 'Lama Su', 'Lando Calrissian', 'Lanever Villecham', 'Leia Organa', 'Letta Turmond', 'Lieutenant Kaydel Ko Connix', 'Lieutenant Thire', 'Lobot', 'Logray', 'Lok Durd', 'Longo Two-Guns', 'Lor San Tekka', 'Lorth Needa', 'Lott Dod', 'Luke Skywalker', 'Lumat', 'Luminara Unduli', 'Lux Bonteri', 'Lyn Me', 'Lyra Erso', 'Mace Windu', 'Malakili', 'Mama the Hutt', 'Mars Guo', 'Mas Amedda', 'Mawhonic', 'Max Rebo', 'Maximilian Veers', 'Maz Kanata', 'ME-8D9', 'Meena Tills', 'Mercurial Swift', 'Mina Bonteri', 'Miraj Scintel', 'Mister Bones', 'Mod Terrik', 'Moden Canady', 'Mon Mothma', 'Moradmin Bast', 'Moralo Eval', 'Morley', 'Mother Talzin', 'Nahdar Vebb', 'Nahdonnis Praji', 'Nien Nunb', 'Niima the Hutt', 'Nines', 'Norra Wexley', 'Nute Gunray', 'Nuvo Vindi', 'Obi-Wan Kenobi', 'Odd Ball', 'Ody Mandrell', 'Omi', 'Onaconda Farr', 'Oola', 'OOM-9', 'Oppo Rancisis', 'Orn Free Taa', 'Oro Dassyne', 'Orrimarko', 'Osi Sobeck', 'Owen Lars', 'Pablo-Jill', 'Padmé Amidala', 'Pagetti Rook', 'Paige Tico', 'Paploo', 'Petty Officer Thanisson', 'Pharl McQuarrie', 'Plo Koon', 'Po Nudo', 'Poe Dameron', 'Poggle the Lesser', 'Pong Krell', 'Pooja Naberrie', 'PZ-4CO', 'Quarrie', 'Quay Tolsite', 'Queen Apailana', 'Queen Jamillia', 'Queen Neeyutnee', 'Qui-Gon Jinn', 'Quiggold', 'Quinlan Vos', 'R2-D2', 'R2-KT', 'R3-S6', 'R4-P17', 'R5-D4', 'RA-7', 'Rabé', 'Rako Hardeen', 'Ransolm Casterfo', 'Rappertunie', 'Ratts Tyerell', 'Raymus Antilles', 'Ree-Yees', 'Reeve Panzoro', 'Rey', 'Ric Olié', 'Riff Tamson', 'Riley', 'Rinnriyin Di', 'Rio Durant', 'Rogue Squadron', 'Romba', 'Roos Tarpals', 'Rose Tico', 'Rotta the Hutt', 'Rukh', 'Rune Haako', 'Rush Clovis', 'Ruwee Naberrie', 'Ryoo Naberrie', 'Sabé', 'Sabine Wren', 'Saché', 'Saelt-Marae', 'Saesee Tiin', 'Salacious B. Crumb', 'San Hill', 'Sana Starros', 'Sarco Plank', 'Sarkli', 'Satine Kryze', 'Savage Opress', 'Sebulba', 'Senator Organa', 'Sergeant Kreel', 'Seventh Sister', 'Shaak Ti', 'Shara Bey', 'Shmi Skywalker', 'Shu Mai', 'Sidon Ithano', 'Sifo-Dyas', 'Sim Aloo', 'Siniir Rath Velus', 'Sio Bibble', 'Sixth Brother', 'Slowen Lo', 'Sly Moore', 'Snaggletooth', 'Snap Wexley', 'Snoke', 'Sola Naberrie', 'Sora Bulq', 'Strono Tuggs', 'Sy Snootles', 'Tallissan Lintra', 'Tarfful', 'Tasu Leech', 'Taun We', 'TC-14', 'Tee Watt Kaa', 'Teebo', 'Teedo', 'Teemto Pagalies', 'Temiri Blagg', 'Tessek', 'Tey How', 'Thane Kyrell', 'The Bendu', 'The Smuggler', 'Thrawn', 'Tiaan Jerjerrod', 'Tion Medon', 'Tobias Beckett', 'Tulon Voidgazer', 'Tup', 'U9-C4', 'Unkar Plutt', 'Val Beckett', 'Vanden Willard', 'Vice Admiral Amilyn Holdo', 'Vober Dand', 'WAC-47', 'Wag Too', 'Wald', 'Walrus Man', 'Warok', 'Wat Tambor', 'Watto', 'Wedge Antilles', 'Wes Janson', 'Wicket W. Warrick', 'Wilhuff Tarkin', 'Wollivan', 'Wuher', 'Wullf Yularen', 'Xamuel Lennox', 'Yaddle', 'Yarael Poof', 'Yoda', 'Zam Wesell', 'Zev Senesca', 'Ziro the Hutt', 'Zuckuss' ];