

Thank you for your interest in a position with **Takko** 🍌! For us to be able to assess your skills, we kindly ask you to provide a solution to the following assignment.

Assignment

Create a 'Tinder for Restaurants' service, based on a location (zip code, city, etc.), and using a free account on the Yelp API (<https://www.yelp.com/developers>). This fictional service will help all lost users that need assistance on where to eat based on the criteria/factors of your choosing. The solution should be based on:

- Rails 6, MongoDB (using the Mongoid gem)
- Using Microservice architecture
- Building API Endpoints for React.js front-end
- Testing (integration + unit) ** (minitests)
- User input
 - Set of Zip Codes (address + autocomplete address bonus)
 - Search term (ex. Coffee, acai)
 - Sort Zip Codes by search results count within radius of 5 miles
 - Default: user's current location
 - User can add more zip codes
 - Return top restaurant options to the user
- Heroku (free tier)
 - When you finish, provide access to a heroku hosted project you have created:
to: p@takkoapp.com, k@takkoapp.com

We are aware that this assignment has some ambiguity! There is no single correct solution: the purpose is not to assess your capabilities in meeting business needs, but only to see your skills and creativity in action.

Evaluation Criteria

- Design implemented according to React Components and React Strap / Bootstrap equivalent or material-ui
- Connect to API - Restaurants retrieval, grouped by Restaurant types
- Try to use Single Table Inheritance, Polymorphism, and Abstract Classes
- Bonus: Implement a Swiping animation and tinder-like interface

Important Notes

Upon receiving this email, please tell us when you think you will complete this assignment, and very shortly outline your initial approach as well as when you will be able to provide access.

Please document and share the time spent and your approach to solving this assessment as part of your submission (via email). Please organize, design, test and document your code as if it were going into production.

All the best and happy coding,

🍌 **The Takko Team**