

Premier User Management

The Best Way to Manage Users

Client Problem

- City of New York has data API that handles search
- City would like a system to save and manage the users to their application
- City would like a user management portal to achieve this
- Users should be able to login/signup and edit/delete their profile information



User Problems



Adriana

27-year old lawyer seeking job opportunities in Manhattan. She wants to work for the government and typical job sites lack government positions.

Melinda

35-year old vegetable grower and seller. She must shift her selling booth to farmer's markets across the city to maximize her profits. Melinda wants to search for locations.



User Business Cases



Adriana

Adriana will pay for job search engine for government jobs. The cost is worth it to her to find a government job that is the right fit for her. Adriana wants to use the City of New York site to search for government jobs.

Melinda

Melinda will pay for New York City's farmers market search engine. She needs it to maximize her profit and she cannot find this information elsewhere.



Technology

Adriana and Melinda need to be able to login in New York City site in order to perform their respective searches.

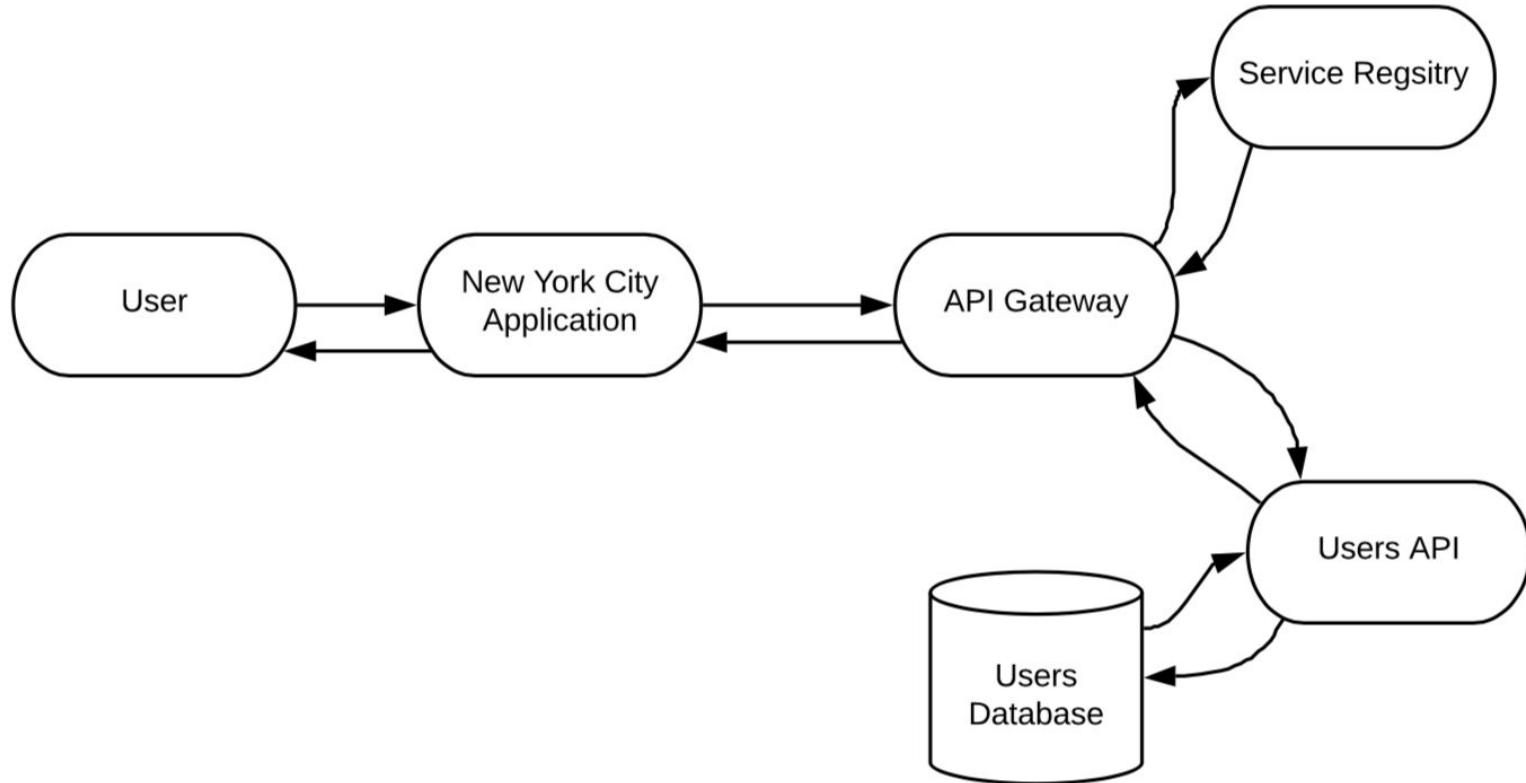
Users need information fast and at their fingertips, therefore an online user management system system is the best option. No other search engines are available.



Technical Requirements

- Backend Spring Boot for user data management
 - API Gateway
 - Service Registry
 - Users API
- Frontend Angular for UI
 - View a list of users
 - Create a new user
 - Update an existing user
 - User profile: username, first name, last name, password, phone, email

Microservices



Microservices vs Monolithic

Monolithic Application

- Simple to develop, test, and deploy
- Too large and complex to fully understand and make quick changes
- Entire application must be redeployed on each update
- Difficult to scale
- Better for a lightweight application

Microservices Solution

- Splits application into smaller manageable services
- Breaks down the complexity
- Each service can be deployed and scaled independently

Preview

Premier User Management

Users

- **Adriana Torres**
[Edit](#) [Delete](#)
- **Melinda Smith**
[Edit](#) [Delete](#)
- **Klaus Baudelaire**
[Edit](#) [Delete](#)
- **Hermione Granger**
[Edit](#) [Delete](#)
- **Jane Eyre**
[Edit](#) [Delete](#)

Create/Edit User

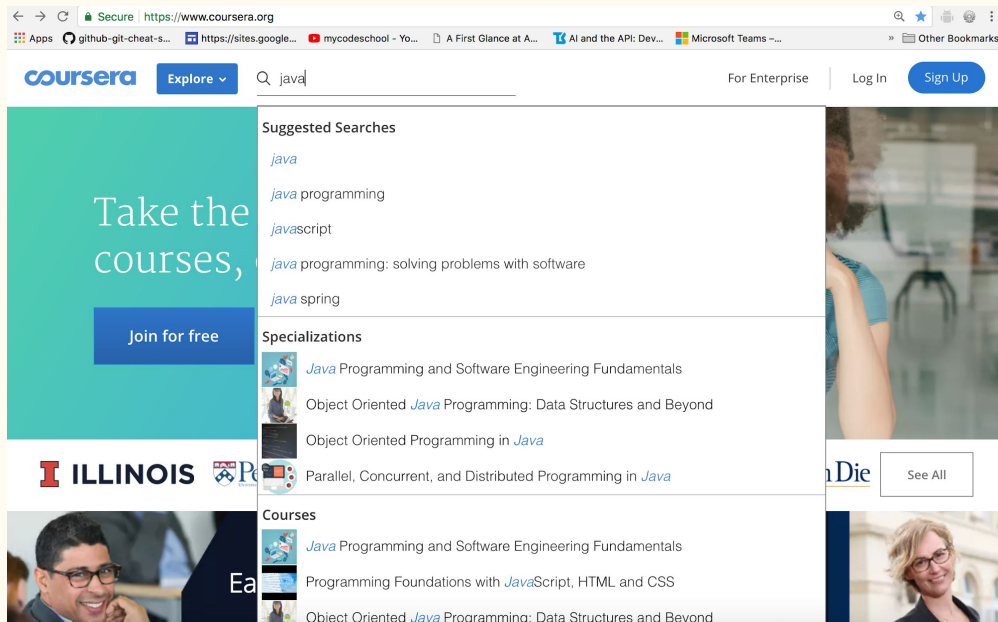
First Name:

Last Name:

Phone Number:

Email:

Case Study



Coursera

- User management system saves user courses and preferences
- Users pay for service to search and access courses