## MBaaS in iOS: Backendless - User Services

Mobile Computing - iOS

## Objectives

- Students will be able to:
  - utilize Backendless' User Service APIs to save/ update/retrieve/delete objects and manage users
  - regulate access to data based on roles and users

#### User Service API

- Backendless' User Service handles:
  - User Registration
  - User Login
  - Password Recovery
  - User Logout
- It defines a **BackendlessUser** class, which can have additional properties associated with it

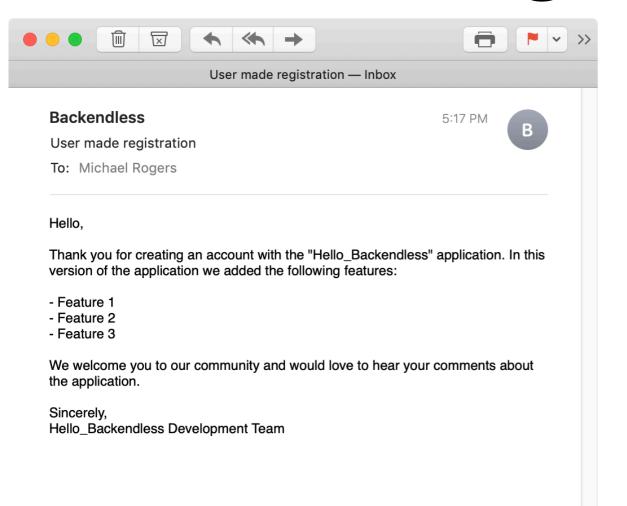
Note: Since the User Service is courtesy of Backendless, there is no need to demo its many features when presenting your final project. Spend your limited demo time on parts of the app that your team has created.

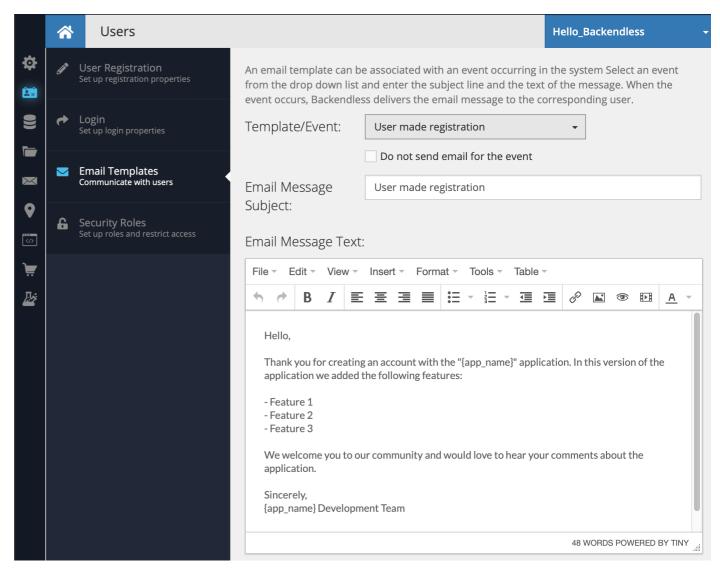
# User Registration

It is possible to set multiple properties at once with a dictionary -- see the docs for details.

```
func setProperties(_ props: [String : Any]!) -> Void
```

## User Registration Email

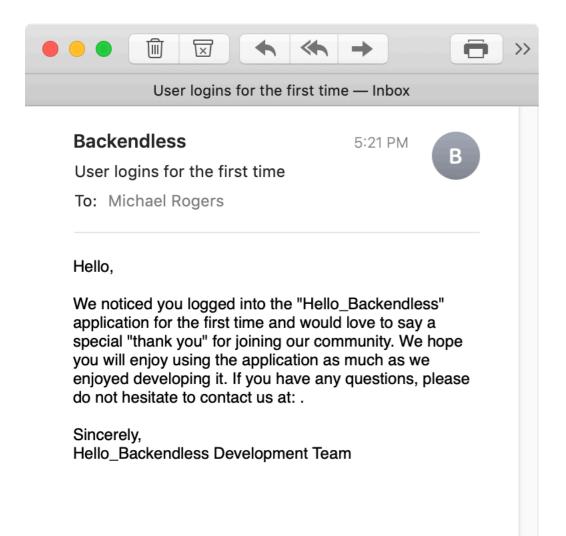


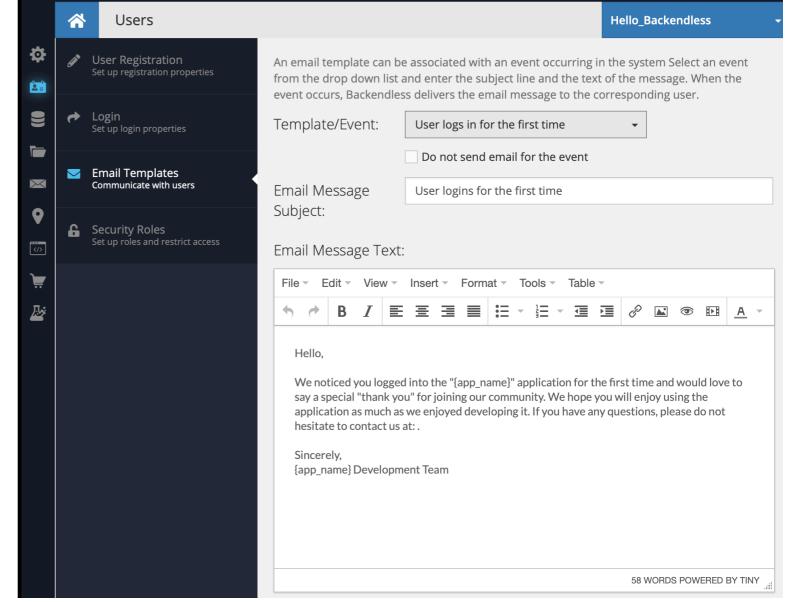


Configure email templates as appropriate

## User Login

## User Login





#### Password Recovery

## Security Roles

 Backendless controls who can access what using Security Roles

Security Role	Assigned to user when an API request is made by:
NotAuthenticatedUser	a user who is not logged in.
AuthenticatedUser	a user who is logged in.
SocialUser	a user who is logged in via a social network (Facebook, Twitter, Google)
FacebookUser	a user who is logged in via Facebook
GooglePlusUser	a user who is logged in via Google
TwitterUser	a user who is logged in via Twitter

#### Permissions

 Permissions are arranged in a hierarchy: anything lower in the hierarchy supersedes that higher up.

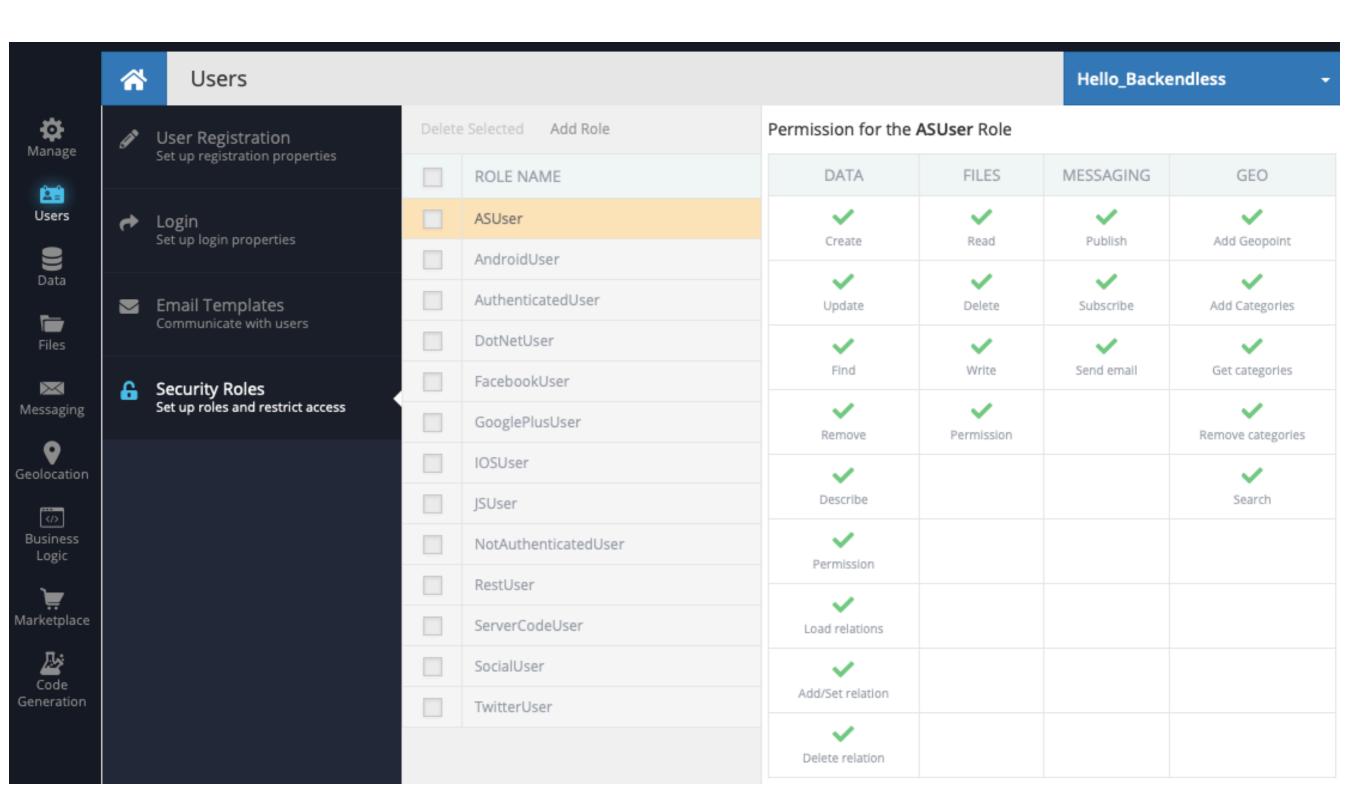
**Global Permissions** 

**Asset Container Permissions** 

**Asset Permissions** 

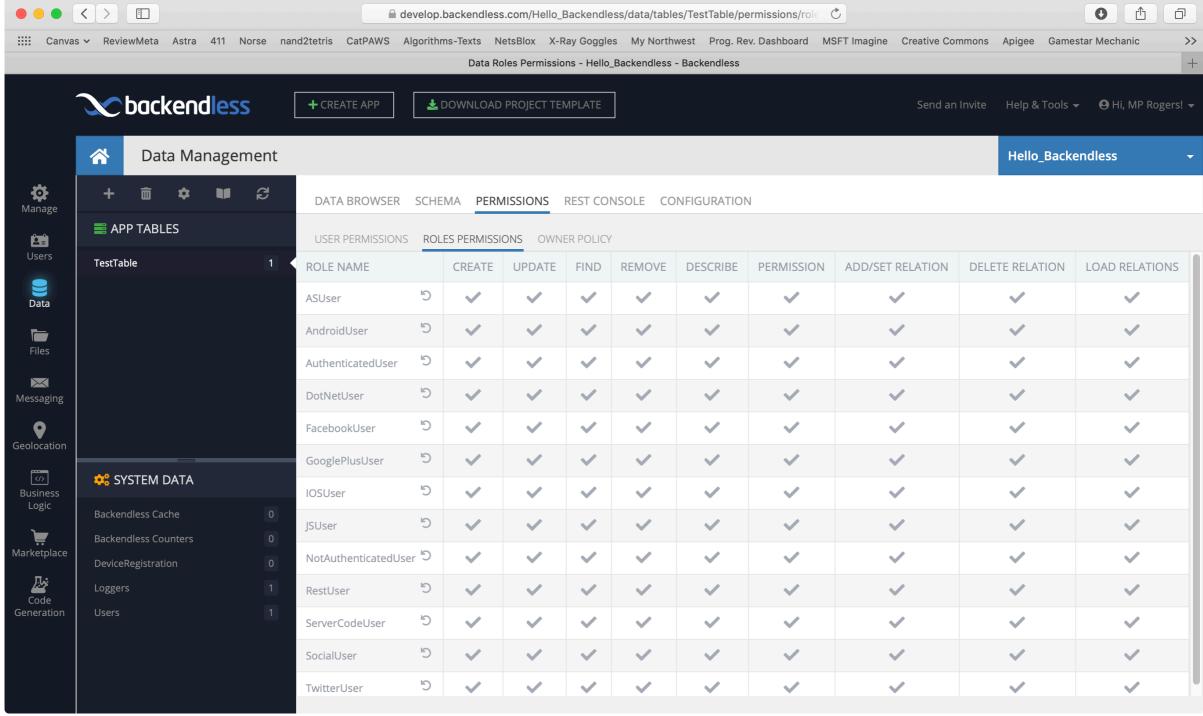
- applies to all assets and resources
- applies to specific data tables, file directories, etc.
- applies to specific data records, files within file directories, etc.

#### Setting Global Permissions



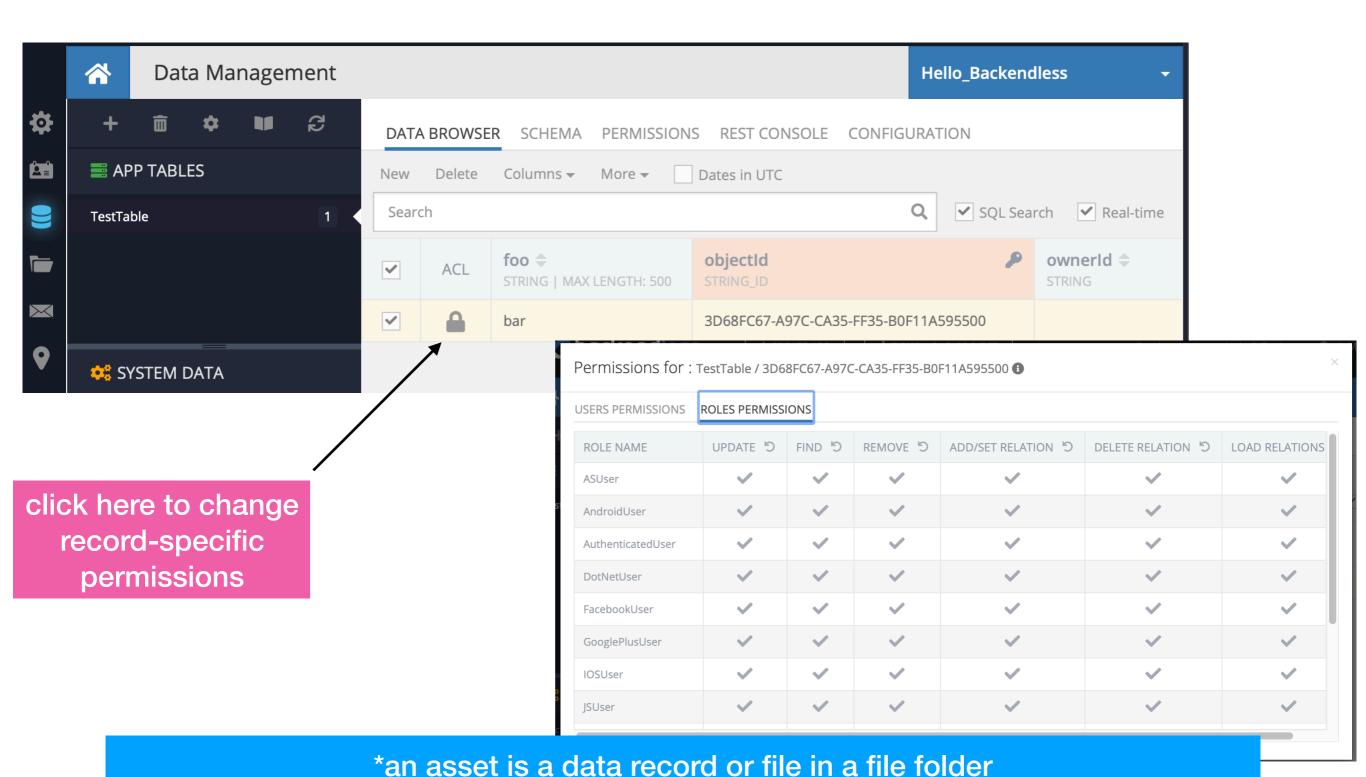
## Setting Asset Container\*

Parmissions



\*an asset container is a data table or file folder

## Setting Asset\* Permissions



#### Resources

• backendless.com