

Adding & Using Roles

Adding a New User Role

The only change you should need to make on the front end to create a different type of user is to modify the property of the user form object in Register.vue.

here's the object

```
user: {  
  username: '',  
  password: '',  
  confirmPassword: '',  
  role: 'user',  
},
```

if you were to change the role to 'basic' the code would use that when it inserted the record on the back end. The convention for the back end is that the value stored in the Users table is ROLE_ followed by the uppercase version of the role.

So if we changed the role when above to be role: 'basic' we would see an entry like this in the database:

user_id	username	password_hash	role
6	yoavbasic	klgfdkfogldfgko	ROLE_BASIC

Be very careful about modifying the user registration logic but here's an example of how you could modify the role before registering the user.

```

methods: {
  register() {
    if (this.user.password !== this.user.confirmPassword) {
      this.registrationErrors = true;
      this.registrationErrorMsg = 'Password & Confirm Password do not
match.';
    } else {
      this.user.role='basic';
      authService
        .register(this.user)
        .then((response) => {
          if (response.status === 201) {
            this.$router.push({
              path: '/login',
              query: { registration: 'success' },
            });
          }
        })
        .catch((error) => {
          const response = error.response;
          this.registrationErrors = true;
          if (response.status === 400) {
            this.registrationErrorMsg = 'Bad Request: Validation Errors';
          }
        });
    }
  }
}

```

How you want to make this change depends on your needs but you could either make the role property connected to the form above be connected to a role select list if you could modify the code as above and base what role you are setting on some other criteria.

Working with Roles on the Front End

On the back end, the role added would be available to use in authorization just as you would use `ROLE_ADMIN` etc.

On the front end, the role is available in the user object which is populated in the data store when someone logs in, This is what the user data returned from the server on login looks like:

```

"user": {
  "id": 6,
  "username": "yoavbasic",
  "authorities": [
    {
      "name": "ROLE_BASIC"
    }
  ]
}

```

As you can see, the user has an array called **authorities** which contains the available roles. In this application, a user can only have one role and you can access it using the first element of the authorities array. Here's an example

```

<template>
  <div class="home">
    <h1>Home</h1>
    <p>You must be authenticated to see this</p>
    <p>Your role: {{ $store.state.user.authorities[0].name }}</p>
    <p>You {{ $store.state.user.authorities[0].name === 'ROLE_BASIC' ?
      'are' : 'are not' }} a basic user.</p>
  </div>
</template>

```