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CSC 440

JACKN-Wiki

User Roles: Documentation

## **Code Explanation - by modified/added file**

templates/roles.html

* This page displays all current users and the roles they currently have. It fetches this data from the users.json file. It has an “add role” button that directs you to a form and the add\_role page.

templates/add\_role.html

* This is the template for the adding roles page.
* It consists of an AddRoleForm, which has a name, and a role field
* The user then clicks the submit button which submits the form and the route calls the code to attempt to add a role to the user with the entered name
* It also has notes in the sidebar about what the current roles do and a note to only add roles to existing users

templates/denied.html

* Users will get directed to this page if they do not have the proper role needed to access that page.
* It tells the user they do not have permission to access the page and has a note that if they should be able to, they should contact an admin.
* The routes that this screen can be accessed from are:
  + Edit – user must be a moderator or admin
  + Move – user must be a moderator or admin
  + Delete – user must be an admin
  + Roles – user must be an admin

templates/index.html

* I added the roles page on the nav bar

templates/base.html

* I added the roles page on the nav bar

routes.py

* I added checks in the above mentioned routes to check if the current user has the correct role to access a given route
* I added the roles route which collects all the current users, strips off their names and role lists and passes them into the template
* I added the add\_role route which calls the AddRoleForm and takes the input from the form and adds the role to the specified user. It then redirects back to the roles page.

forms.py

* I added a new form AddRoleForm, which has a TextField for name and a TextField for role

user.py

* I added the is\_admin method to the User class. This checks if ‘admin’ is in the user’s roles list
* I added the is\_moderator method to the User class. This checks if ‘moderator’ is in the user’s roles list
* I added the add\_role method to the User class. It takes in a String “role”. This gets the user’s current roles list, appends the role passed in, and sets the user’s roles list with this new list.

## **Lines of Code**

templates/roles.html – 29 lines

templates/add\_role.html – 17 lines

templates/denied.html – 10 lines

templates/index.html – line 33

templates/base.html – line 22

routes.py – lines 68, 79, 95, 103, 110, 115, and lines 195 - 212

forms.py – lines 60 - 62

user.py – lines 122 - 135