Databases and the web

Lab 3 part 2

Task 7, validation extension:

I have validated the entirety of the registration page,

1. For the first and last name fields, I implemented a check that validates that the input is only alphabets,

```
check('first').isAlpha(),
check('last').isAlpha()
```

2. For the email field, a validation that ensures only a valid email addresses are input

```
check('email').isEmail()
```

3. For the password field, it validates whether the input string contains only alphanumerical characters, in addition to making sure that the input string must contain at least one number, lowercase letter and uppercase letter.

```
check('pass').isLength({ min: 8 })
.matches('[0-9]').matches('[A-Z]').matches('[a-z]')
```

4. For the username field, it validates whether the input string is an alphanumeric combination.

```
check('user').isAlphanumeric()
```

For the login page I have implemented the same validation checks,

1. For the password field, it validates whether the input string contains only alphanumerical characters, in addition to making sure that the input string must contain at least one number, lowercase letter and uppercase letter.

```
check('pass').isLength({ min: 8 })
.matches('[0-9]').matches('[A-Z]').matches('[a-z]')
```

2. For the username field, it validates whether the input string is an alphanumeric combination.

```
check('user').isAlphanumeric()
```

For the delete user page I have validated the input to only accept alphanumerical strings.

```
check('user').isAlphanumeric()
```

For the search book page I have implemented a validation to make sure that you can only input alphabetical strings to search for books.

```
check('keyword').isAlpha()
```

Note,
I have completely validated special characters out of the fields.

Task 10, sanitisation sanitising

I have sanitised all input fields in the register page, login page, search books page and delete user page using the same method.

1. Register Page.

First name
```
req.sanitize(req.body.first)
```

Last name
```
req.sanitize(req.body.last)
```

Email address
```
req.sanitize(req.body.email)
```

Username
```
req.sanitize(req.body.user)
```

Password
```
req.sanitize(req.body.pass)
```

2. Login page.

Username
```
req.sanitize(req.body.user)
```

Password
```
req.sanitize(req.body.pass)
```

3. Search book page.

Search-box
```
req.sanitize(req.query.keyword)
```

4. Delete user page.

Username
```
req.sanitize(req.body.user)
```

NOTE,

You can use these two accounts to test the website,

1
Username: FatBert
Password: 123craftyBUNS

2
Username: Alpha55
Password: AlphaNumeric123