

Databases & the Web Lab 3

Sanitisation:

- book added route - book name and price

```
let newBook = [req.sanitize(req.body.name), req.sanitize(req.body.price)];
```
- search-result route - searched text

```
let sqlquery = "SELECT * FROM books WHERE name LIKE '%" +  
req.sanitize(req.query.keyword) + "%";
```
- registered route - first name, last name, username, email and password

```
const plainPassword = req.sanitize(req.body.password);  
let newUser = [req.sanitize(req.body.first), req.sanitize(req.body.last),  
req.sanitize(req.body.username), req.sanitize(req.body.email),  
hashedPassword];
```
- logged in route - username and password

```
let user = {username: req.sanitize(req.body.username), password:  
req.sanitize(req.body.password)};
```
- deleted user – username

```
let username = req.sanitize(req.body.username);
```

Validation:

- book added route - book name has either letters or numbers and price is only a 2 digit decimal

```
check('name').isAlphanumeric(), check('price').isDecimal({force_decimal:  
true, decimal_digits: 2, locale: 'en-US'})]
```
- search-result route - searched text has either letters or numbers

```
check('keyword').isAlphanumeric()
```
- registered route – email is a valid email, the password must be at least 8 characters and the username must be ASCII characters

```
[  
  // check email  
  check('email', 'Not an email').isEmail(),  
  // check password  
  check('password').isLength({min: 8}).withMessage('Password Must Be  
at Least 8 Characters'),  
  //checks username  
  check('username').isAscii()]
```
- deleted user – username must be ASCII characters

```
check('username').isAscii()
```