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()