# General Questions

* Are this Error pages need to be there or not? Such as: Error 500: Internal Server Error and Stack Trace below it???
* Do I need to use XSS for everything, orthere is some place I can generically refer to them??
* The same with SQL injections, is there any specific place you can generically refer to everything, or you need to refer to them sepsarately ??
* Does the Contact.php work?
* Controller.php-de bir az qalib $f3->get('…. To be CLEANed
* Do you want even outputted ones to not to represent Maruqee shit? In other words, shall I use CLEAN even for Views/Templates on output
* Do you want us to use STRIP\_TAG as well?????/
* ADMIN/COMMENTS SECTION IS is FUCKED UP
* What is the Avatar, on the User/Edit page
* HOMEPAGE IS BLAAAAAAANk nowwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwww
* Have Fucked Up the Users Page, becomes fucked u, if you play with the Avatar routing
* Can’t log in back to the admin or test  , now I can, chto za random

* Change DEBUG from 3 to 0
* Page/display/somebullshit will work
  + Put a check for it
  + If (empty($page)){
  + Return $f3->error(404);
  + }
* ../../composer.json works, but it shouldn’t
* Htaccess 🡪 protect files
* Sessions are fucked up, that is one of the reasons why you always get an error on first login to the system
* Moderating comment has some problems
* If (POST) check for all forms…. Actually those that make some query to database
* CAPTCHA for email contact form
* Remove the actual Captcha output from all places you have actually outputted it
* Instead of putting captcha straight away count 3 times in 10 minutes and only then allow CAPTCha to come up
* Internal Server Error 505 put if check whther there is usch an entity in database
* Use Function H instead of HTMLSPECIALCHARACTER if necessary
* There is some EVAL being used in BASE.php, doesn’t sound good and lib/db/jig/mapper.php, and view/page/display.htm
* FORM VALIDATION for everything, possible VALIDETTA
* HIDDEN field within contact Us form, transfer it to the function
* PHP PAGE problem still there

# Target Specific Issues

## SQL Injection

* Database queries, find the queries
* Change your Search and Login to fit Ben’s
  + This->Model->Posts->Find
  + This->controller->Model->Users->fetch
    - Don’t forget to CAST it…
* Encryption done
  + Don’t forget to put SALT entity to the User table
* Still need to do the same with Search box

## Information Exposure

* Config/config.cfg file should not be visible
* What other files need to be protected?
* May be UI folder?

## XSS

* http://linuxproj.ecs.soton.ac.uk/~ea2g12/cyber-security-cw2/blog/admin/category
* http://linuxproj.ecs.soton.ac.uk/~ea2g12/cyber-security-cw2/blog/admin/category/edit/1
* http://linuxproj.ecs.soton.ac.uk/~ea2g12/cyber-security-cw2/blog/admin/comment/edit/1
* http://linuxproj.ecs.soton.ac.uk/~ea2g12/cyber-security-cw2/blog/admin/page
* http://linuxproj.ecs.soton.ac.uk/~ea2g12/cyber-security-cw2/blog/admin/page/edit/rob
* http://linuxproj.ecs.soton.ac.uk/~ea2g12/cyber-security-cw2/blog/admin/blog/add
* http://linuxproj.ecs.soton.ac.uk/~ea2g12/cyber-security-cw2/blog/admin/settings MARQUEE just everything
  + But still need to do email validation
  + USE STRIP\_TAG for already inputted html tags
  + MAIL DOESN’T WORK
* http://linuxproj.ecs.soton.ac.uk/~ea2g12/cyber-security-cw2/blog/admin/user/edit/1 MARQUEE url and form
* http://linuxproj.ecs.soton.ac.uk/~ea2g12/cyber-security-cw2/blog/blog/view/1234 problem XSS
* http://linuxproj.ecs.soton.ac.uk/~ea2g12/cyber-security-cw2/blog/blog/index/1234 XSS
* http://linuxproj.ecs.soton.ac.uk/~ea2g12/cyber-security-cw2/blog/user/view/1234 XSS
* BUT still all of them has this problem with ERROR Page
* The title and Comment in COMMENTS section … CLEAN doesn’t work for them, apparently you need to do Strip\_tag as well
* Can’t delete pages with HasTag at the beginning
  + Solved <http://stackoverflow.com/questions/2668854/sanitizing-strings-to-make-them-url-and-filename-safe>
* USE CLEAN FOR THAT - http://fatfreeframework.com/base#clean

## Insecure Upload

* Emily and Aaron has it

## Cross-Site Request Forgery

* <http://greenash.net.au/thoughts/2010/05/taking-php-fat-free-framework-for-a-test-drive/>
* <https://github.com/bcosca/fatfree/blob/master/lib/changelog.txt> Starting from **version 3.2.0** there is an automatic CSRF protections being implemented

## Authorisation Bypass

* From blog/user/view/2 to blog/blog/view/1 and then to blog/admin/comment/edit/1 you can go straight to
* You need to encrypt (MD5) your password, for now they are just VarChar
* Solved … using check the $access

## Internal Information

* Use HTaccess for that

## Parameter Manipulation

* Have I done it already

## Application Logic

* You still can access Register page even if you are logged in

## Out of Date Software

* For now we know it is 3.3.0
* Changelog.php contains all the versions

## File Inclusion

* Apparently it the DEBUG sttuff

## Insecure Cookies and Sessions

* Randomly generate Key for Users

## Open Redirects

* It might be the PAGE.php, because it has URLdecode, but will see
* linuxproj.ecs.soton.ac.uk/~ea2g12/cyber-security-cw2/blog/user/login?from=%2Fuser

## Brute-force

* <http://fatfreeframework.com/plug-ins>
* <http://www.laurencegellert.com/2014/01/recaptcha-getting-hard-to-read-found-streamlined-substitute-in-fatfree/>