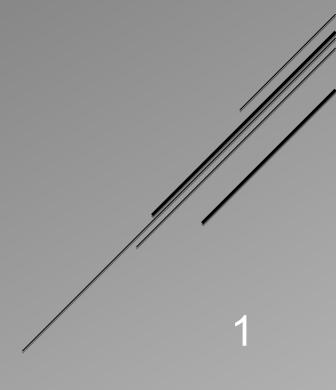# Final Exam Review

Fall 2018 – Introduction to Full-Stack Development

Instructor: Matthew Fritter

matt@frit.me

When is the Final Exam?

- The final exam has been schedule for December 17th, from 6:00 – 9:00 PM in room E107

- As per the syllabus, the final exam is worth 30% of the course grade

- Please make sure you are there on time and have your required materials (pens/pencils, identification)

- The take-home quiz will be due at the beginning of the final exam. Please hand in a hard copy prior to the start of the exam. Late submissions of the take-home quiz will *not* be accepted

- If for some reason you cannot attend the final exam, talk to me as soon as possible.

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Topics on the Final Exam

- Anything we covered in either the lectures or the labs is considered fair game for the exam. Major topics include:

  - Basics of Full Stack Development

  - Laravel – Blades, Routing, Controllers, Sessions, Query Builder, etc

  - Security – SQL Injection, XSS, Camouflage and general security concerns

  - Flask – Routing, templates, and other functionality (sessions, etc)

  - Docker Images and Docker Swarms

  - Systems Administration – Using Git for deployment, using Cron for automation

Format of the Final Exam

- The final exam will be split into three parts: multiple choice, short answer, and long answer

- Multiple choice will be worth approximately 20% of the final exam grade. Questions will be pulled from all topics covered in the course.

- Short answer questions will be looking for a couple sentences of explanation or point-form, whichever makes the most sense. These questions will make up approximately 40% of the final exam grade, and will be focused primarily on theory and details of software that we've looked at.

- Long answer questions will make up the remaining 40% of the exam. These questions will include longer theory questions, as well as some programming questions. Note that I will *not* ask you to perform configuration/command line work for the final exam. It will primarily be PHP/ Python, with a bit of Docker/Cron thrown in.

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Take-Home Quiz

- The take-home quiz is designed to help prepare you for the final exam in terms of content and format

- The quiz covers a number of the topics that we covered in class

- Some questions from the quiz will appear in the final exam, although they may be modified

- Take-home quiz is worth 5%, same as each in-class quiz (combined quiz total is 20% of course grade)

- Note: Not all the content of the final exam is covered in the take-home quiz. You should not just do the take-home quiz and think you are prepared for the final exam!

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How should You study?

- Do the take-home quiz. Refer back to the notes and labs where necessary.

- Read over the lecture notes and labs for the course. Pay particular attention to the starred slides – they're more likely to show up on the final exam

- Finally, look over your previous quizzes – there will likely be similar questions from previous quizzes on the final exam.

- If you have any questions, get in touch – drop by the lab tomorrow, or email me, or contact me via the Okanagan College COSC discord

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That's All Folks!

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