

EXAM 1 REVIEW

Exam 1 covers All existing content from modules

Closed Notes, Closed Neighbor, Closed Internet. In-Person. No ChatGPT.

NOTE: This review is **not** a complete coverage of all possible topics that may be covered in the exam. It is meant to help you consider possible topics. Please plan to review all topics covered in the course leading up to the exam to ensure you are adequately prepared.

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Module 1

- What is a computer network?
- Components/technologies of the dynamic web and how it works.
- Understand details of each technology
- What is open source?
- Why the need for a development server
- What is an IDE?

Ethics in web development

- Review what is ethics, why are ethics important, the role of ethics in IS and web development.

Introduction to HTML/CSS

- Basic components of HTML and CSS
- HTML basics, hyperlink, element and attribute
- HTML class path
- HTML forms
- CSS basics: selector, id, class
- Using CSS in HTML via external stylesheet, internal stylesheet, and inline style

Python

- Know how to write Python expressions.
- Review Python syntax.

- Review control flows such as conditionals (e.g. if, else, switch) and looping (e.g. while, for).
- Review the use of operators.

Python

- Review functions, classes, objects, and constructors.
- Understand scope of variables, especially from inside and outside of function code blocks.
- Review user defined Python functions and object methods such as title().

Django

- Review Views, Templates, Urls. Understand the role each plays in MVT.
- Know how to use the Context to pass data.
- Django Template language `{{}}` `{%}`
- MVT architecture considerations
- The difference between front-end and back-end.