

Volume

3

COMP 1920

Server-side Web Scripting with PHP

Assignments

COMP 1920

Assignments

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Introduction to the Assignments

Description of the assignments

These assignments are intended to be time-consuming and challenging.

Start them as early as you can.

Ask for help whenever you need it; we are here to support you.

Most of the learning from comp1920 is done via labs and assignments, not listening and watching us lecture.

The third is to be done in a group.

Assignment 3 of 3

Due at the beginning of lesson 11 (additionally; several milestones are due before lesson 12).

Because this course lasts only 11 lectures, and covers so many topics, we are forced to leave out some interesting and relevant material.

Assignment 3 will briefly cover many of these interesting topics.

Work in teams selected with the permission of the instructor (we must use 7 members per team!). Select one of the following topics with your team and ask your instructor to assign the topic to you.

1. Security issues (problems and solutions) with Web scripting
2. A brief introduction to XML and PHP
3. Object-oriented scripting
4. ASP, perl, Python, or another server-side scripting language.

...if you have another interesting and relevant idea you would like to volunteer for, ask your instructor. All relevant ideas will be considered. Some of the topics listed are quite sophisticated and should only be selected if you have relevant background experience or very high interest in the topic already.

You have at least 12 weeks to complete this assignment, so a high quality presentation will be expected. You and your team must give a presentation of approximately 30 minutes to the class. This could be similar to one of your instructor's lectures, using overhead slides and the whiteboard while talking, or you can use different media (e.g. MS Powerpoint).

In addition to any "lecture" and "theory" you present, you must give a 5 minute (or so) demonstration of some code or other visual presentation. The focus must be on writing code/scripts.

Your presentation must not be very complicated...you are expected to provide an introduction to the subject's theory and practice.

Finally, you must give the class a (very) small lab assignment to accomplish within about 10 minutes (to be done at home, not in class). Try to make the assignment relevant...something we could use in "the real world".

Your total presentation must be about 30 minutes in length.

Finally, at the end of your presentation, you should expect questions from the class and your instructor. Each team will be assigned as to ask questions of another team in the class. You must ask questions or provide feedback to this other team. Therefore, you may want to do a small amount of research on your own regarding this other team's topic. Your team will be graded on the questions you ask of other teams.

You must use at least four different references (e.g. two books and two URLs) as references for your material. Do not plagiarize your work.

Mark Breakdown

Presentation speech 25%

- understandable
- covered appropriate amount/depth of material
- on time (~30 minutes)
- The entire presentation should be copied onto paper and submitted to your instructor (and possibly the students). This includes all visual material, lecture material, and the assignment(s) you are giving the class.

Presentation visuals 20%

- appropriate
- sufficient number
- easy to understand

Questions asked 10%

- asked relevant questions of assigned team

Questions answered 5%

- handled questions well

Demonstration 10%

- clear
- appropriate
- correct
- relevant

Assignment to the class 25%

- clear
- appropriate
- relevant
- can be completed within about 10 minutes

References 5%

- not plagiarized; well summarized
- 4+ books cited

Assignment 3 Milestones

Assignment 3 - the group presentations - are due in lesson 11.

There are 5 milestones which are due for this project.

Submit the details listed below via EMAIL and to BCIT's SERVER to your instructor.

Milestone 1. Due lesson 5:

A list of the 5 members of your team. Specify who your contact will be.

Your contact is the liaison with the instructor.

The contact must send this information via email with the subject line "comp1920 milestone 1 assignment 3"

Milestone 2. Due lesson 6:

A short list of topics which your group is considering for assignment 3.

The contact must send this information via email with the subject line "comp1920 milestone 2 assignment 3"

Milestone 3. Due lesson 7:

A one-page breakdown including the following details:

- topic
- group members
- basic outline of the main points of your outline (point form: e.g. 5 points should suffice).
- what is your demonstration going to be? (one sentence)
- what is your exercise going to be for the class? (one sentence)

The contact must send this information via email with the subject line "comp1920 milestone 3 assignment 3"

Milestone 4. Due lesson 9:

A one-page breakdown including the following details:

- list of which group members are researching which parts of your topic (e.g. "jason is doing the lab exercise"; "pat is researching how ASP is better than PHP" ...)
- a list of 4+ links on the Internet which are used or useful for your project
- a detailed explanation of your demonstration
- a detailed explanation of your class exercise

The contact must send this information via email with the subject line "comp1920 milestone 4 assignment 3"

Milestone 5. Due lesson 10:

A paper copy of the breakdown including the following details:

- your demonstration
- your class exercise
- a bulleted-point-form-list of the major parts of your presentation

Also, if you have handouts for the class, let your instructor know in advance so he can photocopy them for you.
The contact must send this information via email with the subject line "comp1920 milestone 5 assignment 3"