

## CPSC-24500: Object-Oriented Programming – Week 5

Welcome to Week 5. We just crossed the half way point. I suspect that the Mosaic programming assignment was easier than FaceDraw. This week we are going to move on to working with files and serialization, multi-threading, Java packages, and application testing. This week's assignment will be a performance optimization challenge.

### To-do List – Week 5 (April 17 to April 23):

1. Take a quick look through the slides and notes [\[link\]](#) to get a feel for the learning objectives. These will be updated throughout the week as we cover the related topics.
2. Review this week's assignment [\[link\]](#). Our FastPrime performance programming challenge programming assignment this week will be substantially different than our programming assignments in the last couple weeks. Threading will be the primary new concept that will be introduced, and application performance will be the assignment goal. There are also some questions that you will need to submit in MS Word format like in previous weeks.
3. Double-check the course source code that is available either through a browser [\[link\]](#) and/or by executing "git clone https://github.com/EricJPogue/CPSC-24500.git".
4. Watch the Object-Oriented Programming week 5 session 1 video [\[link\]](#).
5. Participate in the Tuesday 3pm discussion and lecture... and/or watch the resulting video [\[link\]](#).
6. Review JUnit and how it works [\[link\]](#).
7. Complete your Discussion Board posting by the end of the day Wednesday.
8. We are going to try our Thursday Discussion & Lecture session over lunch for another week. Bring your questions. Grab your lunch and we will plan on starting at 12:10 and will not go past 1pm. We will see how a lunch session works and adjust going forward.
9. Depending on what we get through in our Thursday lunch session, there may be one additional video for the remaining topics [\[link\]](#).
10. Respond to one or more other Discussion Board postings by the end of the day Friday.
11. Complete your week 5 assignments and turn it in through the Blackboard "Homework" links by the end of the day Sunday.

Let me know how you are proceeding during the week. Feel free to send me an email or to post something in our "Coffee House" discussion board forum if you have any questions.

Hope to see you Tuesday... and/or Thursday. Have a great week!