**CPE106L**

Software Design Laboratory

**Expt2:** Programming Paradigms/Object Oriented Design

**Content:**

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| 1. **Cover Page**   Download and follow the format: <https://bit.ly/2wpokoK> | |
| 1. **PreLab** | |
| * **Readings, Insights, and Reflection** | 1. **Python**:  * Lambert (9781337671019): Chap 9 * Rao(9789351198918): Chapter 13  1. **Git**: **Laster** (9781119285007):  * Connected Lab 2  1. **UML**:  * Eriksson (9781118592021): Chapter 4 * Dennis (9781119030263): Chap 5 |
| * **Answers to Questions** | * Lambert Exercises 1 to 3, page 346 |
| 1. **InLab** | |
| * Leaders should assign task to members * Objectives (you can have your own objectives) * Steps performed with screenshots of tools used (UMLet and VSCode), debugging, sample run with **DISCUSSIONS**  (DONT copy and paste from the ebook)**.** * Edit your figures (screenshot), highlight by putting a box, give a figure number and brief description. * Use the source codes of Lambert (Download them from in your Blackboard’s Course Materials). Given the source code (with classes), create corresponding class diagram using UMLET | |

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| 1. **PostLab**   Note: Leaders should assign the problems to members |
| * **Machine Problems**   Lambert: Chapter 9 projects page 349  Projects 4, and 5   * **Debugging and Sample Run** (with screengrabs and discussion) * **UMLET class diagram**   **Note:**   1. Save all files (.py and .uxf) in one folder. Upload the folder to your OneDrive and put a tiny/bitly url in your OneNote   Name the folder: <Course and Section>\_Group#\_Exp#.  Example: **CPE106L-B1\_Group1\_Expt2**   1. Commit all Python source codes to Github (individual Github account)   Github Repository Name: Software Design Lab Exercises  Put a tiny/bitly url of your Github repository |