
Lab No.3 Object Programming Essentials [Part 3]

3.1 Introduction

This lab along with the previous two labs completes all of the essential concepts of Object Oriented Programming. These topics are taken from CISCO Network Academy. At the end of this lab, students are asked to take the CISCO Chapter 5 – Object Programming Essential Module and cover it successfully.

Also, this lab is the first part out of four part OOP Lab Project Submission. The purpose of this lab is to select project idea, make group, and take a start.

3.2 Objectives of the lab

- 1 Complete all the tasks available in CISCO Chapter 5.
- 2 Make group and select project idea
- 3 Submit project proposal
- 4 Devise 4-Week Plan to complete selected project

3.3 Activities

3.3.1 Activity

Complete all the tasks available in CISCO Chapter 5 – Object Programming Essential.

3.3.2 Activity

Make a group consisting of 2-3 students and submit OOP Lab Project Proposal including:

1. Project Title
2. Group Members (Names and Registration Numbers)
3. Project Introduction
4. Project Features
5. Tools Used to Implement the Project
6. Comparison with Existing Applications Matching Proposed Project (Features/Tools/Drawbacks)
7. Gantt Chart about workload distribution in 4-Weeks
8. References, Resources, and Links (In IEEE Format)

Note 1: Project list will be shared in Google Classroom. Project idea and group members can't be changed after selection.

3.3.3 Activity

To inculcate the knowledge of the state-of-the-art problems and initiate critical thinking process to solve them, each student is provided with a unique research paper. Following should be submitted:

1. Brief 1-page summary of the provided research paper in your own words
2. Perform online search and find another paper similar/related to provided paper and summarize it too
3. Compare both papers in one paragraph and state which idea is better and why?

Note 1: Please check YouTube videos given in reference 3-5. You can visit the link directly or can view/download these videos provided with this lab.

Note 2: A zip-file containing research papers will be provided where each student paper will be identified by his/her name.

3.4 References

- 1 YouTube. (2020). Gantt Charts using Smartsheet - YouTube. [online] Available at: <https://www.youtube.com/watch?v=8L3tk3IRDml> [Accessed: Dec. 7, 2020].
- 2 IEEEDataPort, "How to Cite References: IEEE Documentation Style", 2018. [Online]. Available: <https://ieee-dataport.org/sites/default/files/analysis/27/IEEE%20Citation%20Guidelines.pdf>. [Accessed: Oct. 1, 2018].
- 3 YouTube. (2020). How to read a research paper? - YouTube. [online] Available at: https://www.youtube.com/watch?v=pNle5Uf_nAE [Accessed: Dec. 7, 2020].
- 4 YouTube. (2020). How to read a scientific paper - YouTube. [online] Available at: https://www.youtube.com/watch?v=5Eg_Gzz3hXY [Accessed: Dec. 7, 2020].
- 5 YouTube. (2020). How to summarize 10 Research Papers into a single page - YouTube. [online] Available at: <https://www.youtube.com/watch?v=EMmr7eedqdE> [Accessed: Dec. 7, 2020].