

# **CS360 LAB 1**

## **Introduction**

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Adapted from CMPUT 301 – Software Engineering (University of Alberta)

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- **TA`s**
- **Lab Days, Duration and Venue**
- **What to Expect?**
- **What Not?**
- **Lab Contents**
- **Tasks/Action Plans?**
- **Assessment Scales**
- **Questions/Comments**
- **Acknowledgements**
- **Get to It**
- **Glossary**

# **LAB OUTLINE**

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# Lab Days, Duration and Venue

**Days** : Wednesday & Thursday

**Duration** : 6:00 - 8:00 PM

**Venue** : Microsoft Teams (Online)

- **Software Engineering**
  - Tools
  - Techniques
  - Practice

**What To Expect ?**

# What Not?

- This is not a JAVA Course
- You will be expected to learn Java on your own and also take courses online
- We can only provide basic materials and tutorials
- This is also not a programming course.

# Lab Contents

1. **Software Engineering Soft Skills**
  - a. Ability to Work in a Team
  - b. Communications Skills
2. **Software Design Pattern**
3. **Software Maintenance**
4. **Object Oriented Design, Analysis and Application**

# Tasks / Action Plans?

- Develop a real large-scale android application You will be assigned
- in teams and each team will have a TA as your mentor/manager The
- professor is your customer/client You will be holding weekly
- meetings with your TAs



# Assessment Scales

- TeamWork, Collaboration UsingRealWorld Tools
- Requirement Analysis and Project Planning Software Design Pattern using
- Object Oriented Approach, languages and tools Properly Documented Codes,
- Highly maintainable for easy project handover to another engineer. Analysis, Improvement and extension of existing software Presentation to the customer
- and meeting their needs

**Drop them on Slack or call the  
attention of any TA around quietly**

**Questions and  
Comments?**

# ACKNOWLEDGMENTS

- <https://developer.android.com/studio/install>
- <https://developer.android.com/studio>

# Get To It

Log into your LMS if you haven't logged in already and follow along with the instructions found there. You can code along with me as I demonstrate the task on the screen. All the materials are on LMS.