CMPUT 301 LAB
Introduction

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DEPARTMENT OF COMPUTING SCIENCE
University of Alberta

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LAB OUTLINE

UNIVERSITY OF ALBERTA

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TA's Contact

Lab Days, Duration and Venue

Days : Tuesdays , Wednesdays and Thursdays

Duration : 5:00pm to 7:50 pm MST

Venue

Lab (E)H01

Date and Time: Tuesday, 17:00-19:50

Location: ETLC E1-013

Lab (E)H02

Date and Time: Wednesday, 17:00-19:50

Location: ETLC E1-003

Lab (E)H03

Date and Time: Thursday, 17:00-19:50

Location: CCIS 1-140

- **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 TA's

Assessment Scales

- Team Work, Collaboration Using Real World 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 in the EClass or Call the Attention of any TA around quietly

Questions and Comments?

ACKNOWLEDGMENTS

- Slides/Lecture Tutorials Recordings from Past TA`s Fall 2020
- https://developer.android.com/studio/install
- https://developer.android.com/studio
- Presentation DECK UAlberta Brand Template

Get To It

Login to your eclass 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 eclass