



COLLEGE OF ENGINEERING AND APPLIED SCIENCES
DEPARTMENT OF COMPUTER SCIENCE

ICS1201 Introduction to Computer Science

Lab 01 Created by Qi Wang

Goals:

- Java Fundamentals

Notice that students are expected to start the lab as soon as the description is available, seek feedback during the lab and submit all required documents included on time on *Duifene*.

Work will be rejected with no credit if

- The work is late.
- The work is not submitted properly (Blurry, wrong files, not in required format, crashed files, etc.).
- The work is a copy or partial copy of others' work (such as work from another person or the Internet).

Labs are contiguous study of the lecture or used as stepping-stones for the projects. Skipping lab activities would impact the learning significantly.

Submissions (100 points):

- An algorithm (a plain text file)
- Source code (a Java file)

Instructions:

A person's name is a required field for many documents. For example, when creating a profile online, you will be asked to enter your last name, first name, and middle name if any. When entering your name, you don't have to worry about entering it in a particular case. The user-entered name will most likely be converted to title case in your profile. If last name Smith is entered as **smith**, **sMlth**, **Smith**, **smiTH**, etc., it will be converted to **Smith** in the profile.

For this lab, you are going to write a computer program that converts a user-entered name (first name and last name) to title case. You can assume that a valid name is entered. Write an algorithm that specifies input, process, and output. Translate the algorithm into Java in *main*. Include Javadoc style comments for the class and *main*. Include comments for the code blocks in *main*.