

Fundamentals of Data Structures

Laboratory Projects

Minimum Requirements on Writing a Project Report

Title of Project

Author Names

Date: yyyy-mm-dd

Chapter 1: Introduction

Problem description and (if any) background of the algorithms.

Chapter 2: Algorithm Specification

Description (pseudo-code preferred) of all the algorithms involved for solving the problem, including specifications of main data structures.

Chapter 3: Testing Results

Table of test cases. Each test case usually consists of a brief description of the purpose of this case, the expected result, the actual behavior of your program, the possible cause of a bug if your program does not function as expected, and the current status (“*pass*”, or “*corrected*”, or “*pending*”).

Chapter 4: Analysis and Comments

Analysis of the time and space complexities of the algorithms. Comments on further possible improvements.

Appendix: Source Code (in C)

At least 30% of the lines must be commented. Otherwise the code will NOT be evaluated.

Declaration

We hereby declare that all the work done in this project titled "XXX" is of our independent effort as a group.

Duty Assignments:

Programmer: XXX

Tester: XXX

Report Writer: XXX

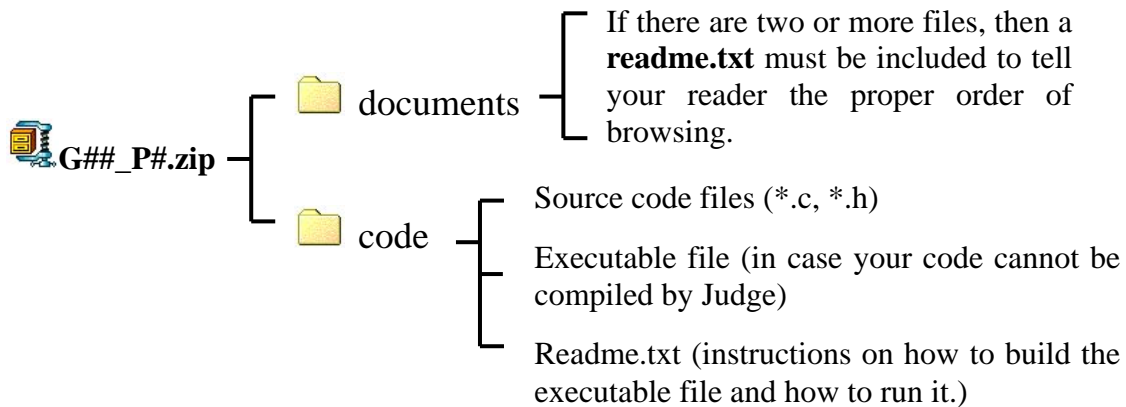
Please keep in mind that these are the “minimum” requirements. Other requirements will be specified according to each project assignment.

Group of Three – Duty Assignments

- **Programmer:** Write and maintain the source code. (50 pts.)
- **Tester:** Fill in the contents of Chapters 3 and 4. (30 pts.)
- **Report Writer:** Write up one complete project report in a uniform style. (20 pts.)

Hand-in

Each group is supposed to hand in a zipped file named as **G##_P#.zip** (or **.rar**), where **##** is the two-digit group number which will be given to you after your group is confirmed, and the last **#** is the project number (for example, **G08_P2.zip** or **G08_P2.rar**). The zipped file must contain the following:



Note: Your report document must be saved as a PDF file. The names of your report document and your source code file must be in the format **Teacher_YourGroupID_ProjectNumber.***. For example, “**cy_G03_P2.pdf**” is considered to be the report for Project 2 by Group 03, and the instructor is represented by “cy”.

Project reports are supposed to be submitted through the online system at <http://www.cs.zju.edu.cn/ds/> with your group account which will be given to you after your group is confirmed.

Late Penalty

Each assignment is due at 10:00pm on a specified date. The door for submission will be closed automatically afterwards. Late assignments will have to be sent to your instructor through email (e.g. Yue Chen's students are supposed to send email to chenyue@zju.edu.cn). The assignments received between 10:01pm – 11:59pm on the day they are due will be penalized 5% of the points on that lab. After the due date, the penalty will be 10% for each day they are late.