Project Guidelines

You must follow these guidelines for all the projects that you work on in the data structures course.

1. **Submissions**
   You need to submit the following three items:
   - **Source code:** Compress your project folder. The folder must consist of all your source code files. I will use this folder to run your application. Submit the source code on blackboard.
   - **Individual Report**: A short report (preferably one page only) for each team member. Each team member should mention his/her contributions, and what was learned in the project, other comments. Further, each person should briefly mention the other team member's contributions. **You might lose 25% of the grade if you don't submit this report.
   Here's the template for the individual report if you are working in a group:
   https://www.dropbox.com/s/duki6ga6x2cnw6v/personal_report.docx?dl=0
   If you are working solo, here's the template for the individual report:
   https://www.dropbox.com/s/5sstebqneubw6aa/personal_report_solo.docx?dl=0**

2. **Source Code**
   - You can use Java or C# to implement your project.
   - You need to submit all the files that are needed to run the project. In Java, you need to submit all the Java files, or preferably the entire Netbeans project.
   - Comment your code, and choose meaningful variable and function names.
   - Follow a coding style consistently.
   - Don't include the source code in your printed report. I will just look at it electronically.

3. **Teamwork**
   - Each team should appoint a leader. It is your responsibility as a team to delegate responsibilities to team members. Make sure the responsibilities are relatively equal. Each team member must have a role in coding. **3 days after announcing the project, I expect an e-mail sent from the team leader updating me about the responsibilities of each team member, and informing me whether everything is fine**. I can't help you when you inform me about problems too late (a day or two before the deadline).
   - Please let me know (as early as possible) in case one of the team members is not collaborating.
   - The idea behind teamwork is that you exchange thoughts with each other. Hence, teach other about your contributions.
   - Each team member's performance will be evaluated based on the contributions that are mentioned in the individual report.
   - **A team member who doesn't contribute or contributes poorly will most likely get a very poor grade.**

4. **Git/GitHub**
   - It is optional to use Git/GitHub for source code version control. You are encouraged to use it though.

Here are some good resources:
https://www.youtube.com/watch?v=0fKg7e37bQE (short tutorial)
https://www.youtube.com/watch?v=Ytux4IOAR_s&list=PLAwxTw4SYaPk8_-6IGxJtD3i2QAu5_s_p (long and very detailed)
You can also read chapters two and three of this book:
http://git-scm.com/book/en/v2

- You will gain *one extra point within the scope of the project* if you provide evidence of using GitHub. I need the GitHub URL for the project, which will give me an idea about the commits and contributions of team members.

5. **Grading Policy**

Factor	Percentage
Whether the source code can compile, run, and do what is required.	10%
Fulfillment of the requirements	40%
Quality of algorithms and decisions (how extensible, organized, and structures the project is), originality of the work, source code (comments, style, etc.)	20%*
Individual contribution to the team (Each team member gets a different mark)	25% **
Teamwork	5% **
Using GitHub	(+ %5) ***
Using Database	(+ %10) ***

50% for those who work solo.
** Doesn't apply to those who are working solo.*
*** Extra credit is only within the scope of the project.*