

# CSE4/562 - Database Systems - Spring '18

## Checkpoint 0

*Checkpoint 0* of the project aims to make you prepare the submission setup, and form your teams. The success criteria of this checkpoint is to be able to submit a "Hello, World" program to the autograder (autograder.cse.buffalo.edu) as a group.

Instructions:

- Create a **private** git repository on github, gitlab, or bitbucket

If your repository is not private, others can see and use your code.

- Do **NOT** share the link to your repository with **anyone**

See above.

- Make sure every member in your team can push and pull the code from the repository

We expect every team member to contribute to the project equally. It will be in your favor to solve all the technical issues before you start working on Checkpoint 1. We also recommend all the students to get familiar with *git*.

- Create a *.gitignore* file

\*.jar and \*.class files you create every time you build your code takes up a lot of space, and it is a common practice to not include them in your repository by using a ".gitignore" file. We recommend you to use it when you initialize your repository.

- Main.java file has to be in package edu.buffalo.www.cse4562

Your Main.java file has to be in package edu.buffalo.www.cse4562 for us to be able to find and grade your projects. It is common practice for the IDEs (Eclipse, NetBeans, etc) to store the code in the "src" folder. Specifically for this example, Eclipse would create the folder structure as src/edu/buffalo/www/cse4562. Finally, the Main.java file would be stored under cse4562 folder.

- The *main* method in your Main.java file should print "Hello, World"

Basically, the only line you need to have in your main method is

```
System.out.println("Hello, World");
```

- Add the deploy key we sent you to your repository

The deploy keys will allow us to pull your code and evaluate it when you submit your projects.

- Prepare the submission file *submission.txt*

By this time, all teams must have received their deploy key and a secret key. Create a file named *submission.txt*. Copy the ***secret key*** for your group to the first line. Do not share the secret key with anyone. Do NOT put anything else in the file.

- To submit your project, go to <https://autograder.cse.buffalo.edu>

You will see **Assignment 0** on **CSE4/562: Database Systems (s18)** page. First, invite your team members to form a group there. After every member accepts the invitations, you will be ready to submit your project. Mark the academic integrity box, and click on the "**SUBMIT**" button. The system will prompt you to choose a file. When you choose *submission.txt* file, it will trigger the grading process. You will be able to see your grade after the automatic grading is complete.

- If there is a problem in your submission...

There are many reasons why your submission received a zero, or encountered an error. First, consider what you may be doing wrong. After you make sure that your submission satisfies the requirements, and if there is still an error, come to the office hours, or post on piazza. As a rule of thumb, start submitting when we open up the grading system. Try not to concurrently submit the same project.

Other things to consider:

- You may want to brush up on your java coding skills until we release the instructions for Checkpoint 1
- You should download the libraries we will be using in Checkpoint 1 and start thinking about how to use them
- You should start considering what abstract classes you will be able to use and how to efficiently extract your data from a CSV, and perform projection and selection. What are some potential problems? What would be a bottle neck? What would be the most 'optimal' solution possible?