Final Exam

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Important Notes

1. Few minutes before deadline zip your assignment and submit it. Absolutely no late submissions regardless of the issue.
2. The base of the code is same as your assignment 2 however, all extra parts have been removed.
3. You must stick the sequence diagram. You are required to provide that as solution. method chaining and lambdas are recommended but not enforced.

Skeleton

1) Do not modify the code I have given you.
    a. If you modify anything and it doesn't work, it is up to you to fix and provide reasoning for the changes.
2) This project is based on JavaFX, and JDK 1.8.
    a. If you end up using a higher JDK version, you must let me know in the comment of your submission. It is also your responsibility to make it work with your version.

Output

Your application must run and should look like something from the demo video posted on the assignment page.

Due Date

2 hours after the start of the exam. The 2 hours include the programing and quiz.

Late Penalty

Zero. This is the final exam, absolutely no late submissions.

Attachments

1) Skeleton of project to complete.
2) This writeup which you are reading.
3) UML diagrams

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Submission

Must submit **two** files.

1. A zip/archive of your whole project.
   [firstName]-[lastName]-[labSection#].zip
   ex: shawn-emami-11.zip
2. A runnable jar file of your project. You should be able to run it by clicking the jar or using command java -jar [jar path] in command line.
   [firstName]-[lastName]-[labSection#].jar
   ex: shawn-emami-11.jar

Export Jar and Archive Slides

If you don't know how to export look at:
"BrightSpace/Content/Lecture Material/Runnable Jar, Archive and war files".

Project Import

You have 2 ways to do this.

1. Recommended, unzip your project manually.
   a. Unzip the skeleton first and place it where you want.
   b. In Eclipse go to file/open project from file system.
   c. Click on directory and navigate to unzipped path. Go in directory till you see the src folder. Click select folder.
   d. There should now be a new row with the name of project and says import as eclipse project. This is the only row that should be selected.
   e. Click finish.
2. Import form archive file. Sometimes new files you have created won't be saved in the same directory, I have no idea why or how this might happen.
   a. In Eclipse go to file/open project from file system.
   b. Click on archive and navigate zip file.
   c. There should now be 2 rows with the name of project, and one says import as eclipse project. This is the only row that should be selected.
   d. Click finish.

Requirements

1) Create and complete the Animator class, look at uml page 1 and 2.
2) Create and complete the SpriteFactory class, look at uml page 1 and 3.
3) Create and complete the CurveBuilder class, look at uml page 1 and 4.
   a) Complete the setters, they are all basic setters.
4) Create and complete the ShiftingScene class, look at uml page 1 and 5.
5) Create and complete the TracingScene class, look at uml page 1 and 6.