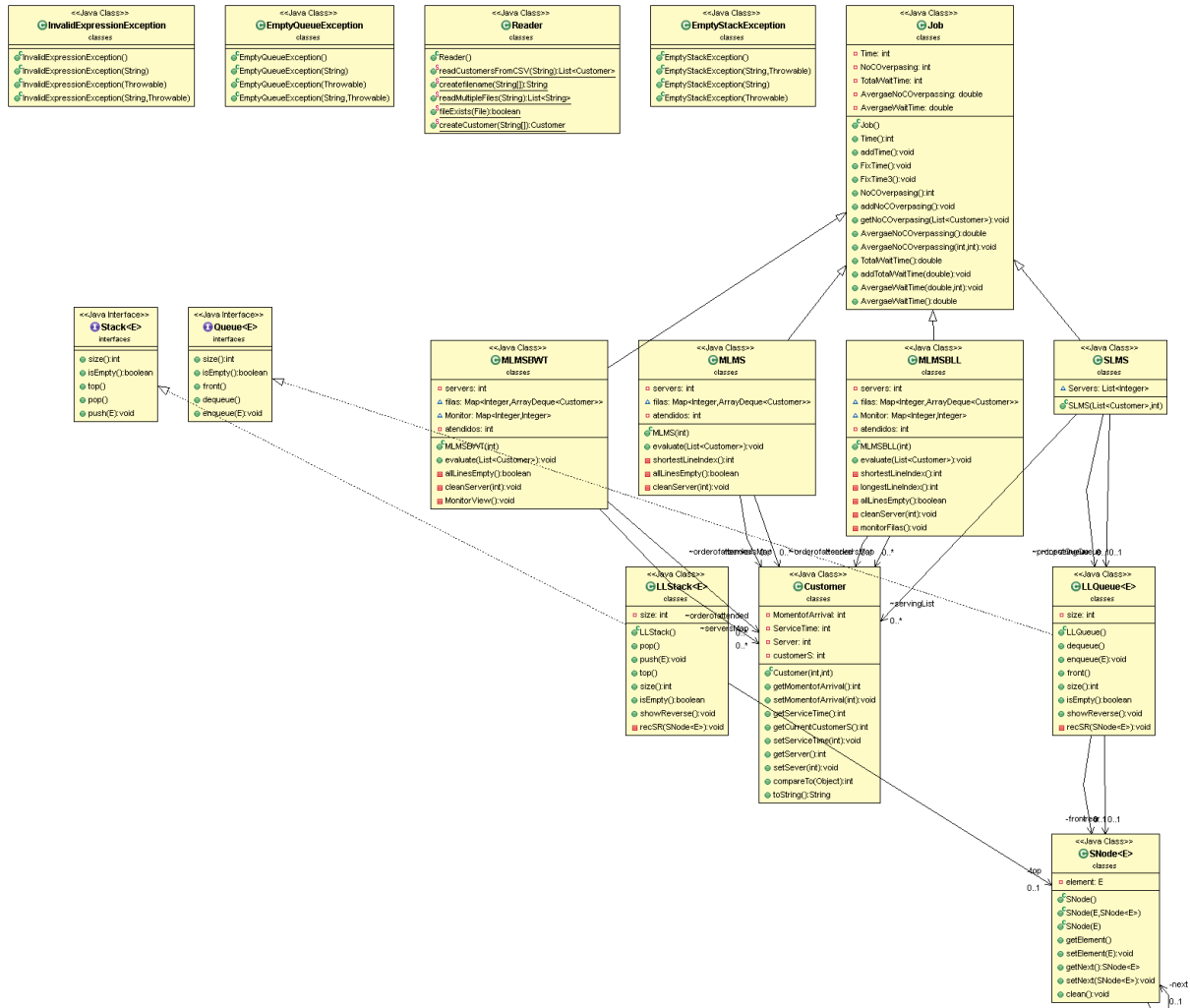


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**UML design for P2:**



### Problem:

We are tasked with developing the implementation of a simulation system that will test 4 different policies, containing 4 different algorithms

to test the differences between their effectiveness. These policies deal with the scenarios of waiting in line for a certain service.

### Platform:

This project was done in Java 8 using the Eclipse IDE for Java Developers version: Oxygen.2 Release (4.7.2).

## Running from Command-line interface / Terminal

### Pre-Requisites

- Java Runtime Environment (JRE) or Latest Java Development Kit (or JDK for short).
- PATH variables updated to include the JRE and JDK.

To run the program on mac / Linux systems:

- Open command-line interface
  - This can be done by going to the *Search* bar and typing the following:
    - ***terminal***



- Change your directory from the default one

- This is done using the command:

■ **cd**

*directory-where-zip-was-extracted-to*

**|P2\_802133465|src|testers|main**



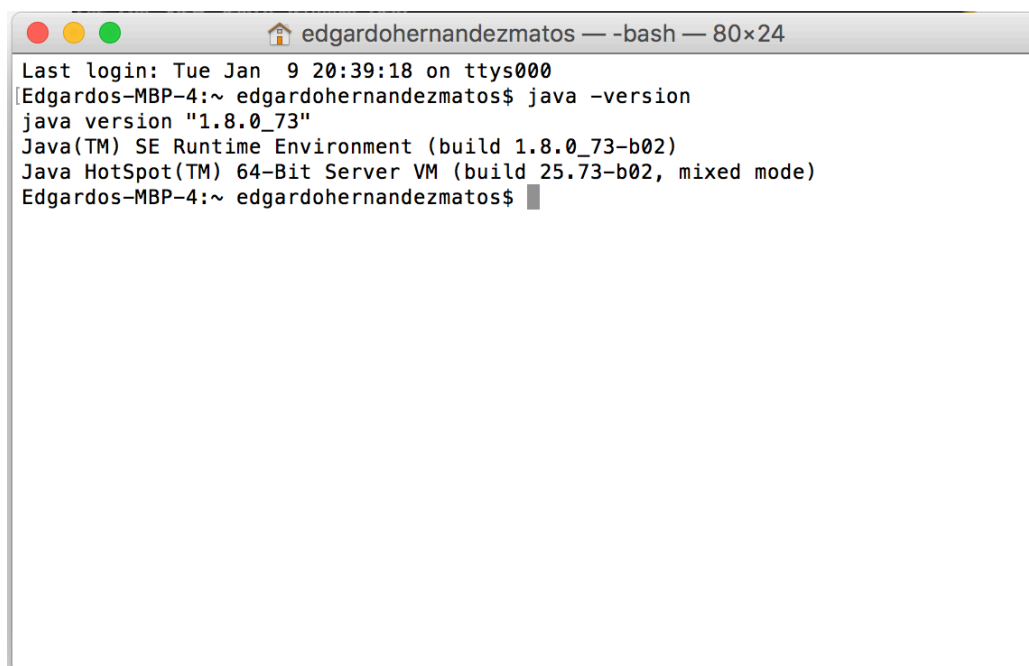
```
testers — -bash — 80x24
Last login: Tue Jan 9 20:36:39 on ttys000
Edgardos-MBP-4:~ edgardoherandezmatos$ cd Desktop/Project2/src/testers
Edgardos-MBP-4:testers edgardoherandezmatos$
```

- Verify that your Path includes the JDK as noted in the pre-requisites.

- This is done using the command:

■ **java -version**

- This will result in two possible outcomes
  - a. **java version** "*your-version-number*"
  - b. **java -version** *is not recognized as an internal or external command, operable program or batch file.*
- If *b*, verify that you correctly installed the JDK. Look up the official Oracle page for details.



```
edgardoherandezmatos — -bash — 80x24
Last login: Tue Jan 9 20:39:18 on ttys000
Edgardos-MBP-4:~ edgardoherandezmatos$ java -version
java version "1.8.0_73"
Java(TM) SE Runtime Environment (build 1.8.0_73-b02)
Java HotSpot(TM) 64-Bit Server VM (build 25.73-b02, mixed mode)
Edgardos-MBP-4:~ edgardoherandezmatos$
```

- Compile the program
  - Using the following command:
    - **javac** *package.testers/Main.java*
- Run the compiled program
  - Using the command:
    - **java** *package. .testers.Main*