

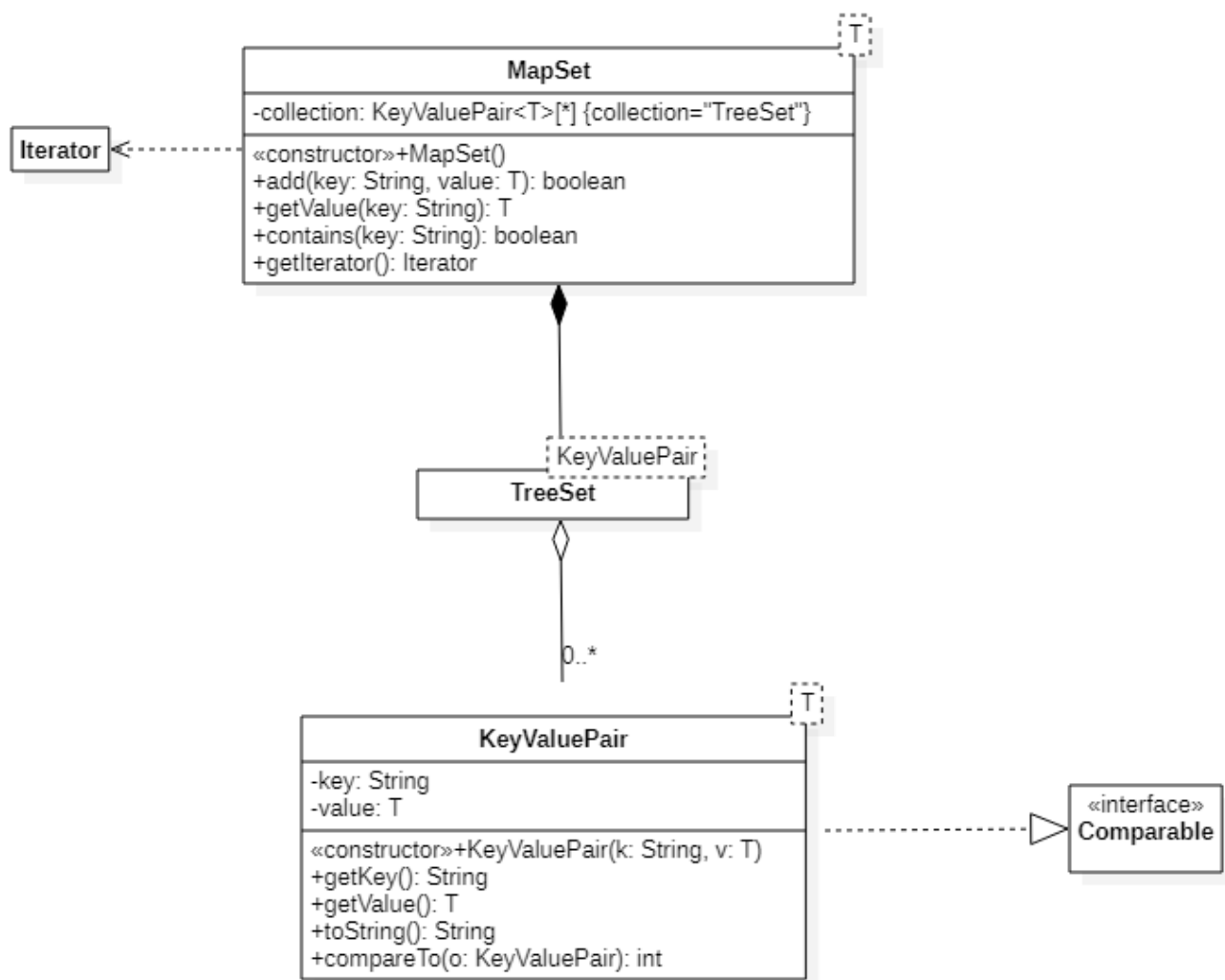
# Generic Classes

## CSC 2310 Spring 2021 Lab-09

In this lab, you will be completing the MapSet generic class that we began in class. Primarily, you will be implementing the following methods:

- add - add a key-value pair to the collection. Returns true or false if the depending on successful add to the map.
- getValue - return the value part of a key-value pair if the input **key** is found in the collection
- contains - returns true or false depending on whether a key-value pair indexed by the **key**
- getIterator - returns the iterator of the embedded collection

The model for this project



## Pre-requisites

- Java 11
- Git
- IntelliJ IDE

Download the code base for the lab at your assigned url:

```
% git clone https://gitlab.csc.tntech.edu/csc2310-sp21-  
students/yourid/yourid-lab-09.git
```

## Activity

To help with this activity, you may need to refer to the documentation for the TreeSet class:

<https://docs.oracle.com/en/java/javase/11/docs/api/java.base/java/util/TreeSet.html>

A JUnit test class (MapSetTest) has been created to aid with your software development activities.

## Submission

Stage, commit, and push your repo to gitlab, as usual.

## Rubric

The assignment is worth 20 points (5 points per method)