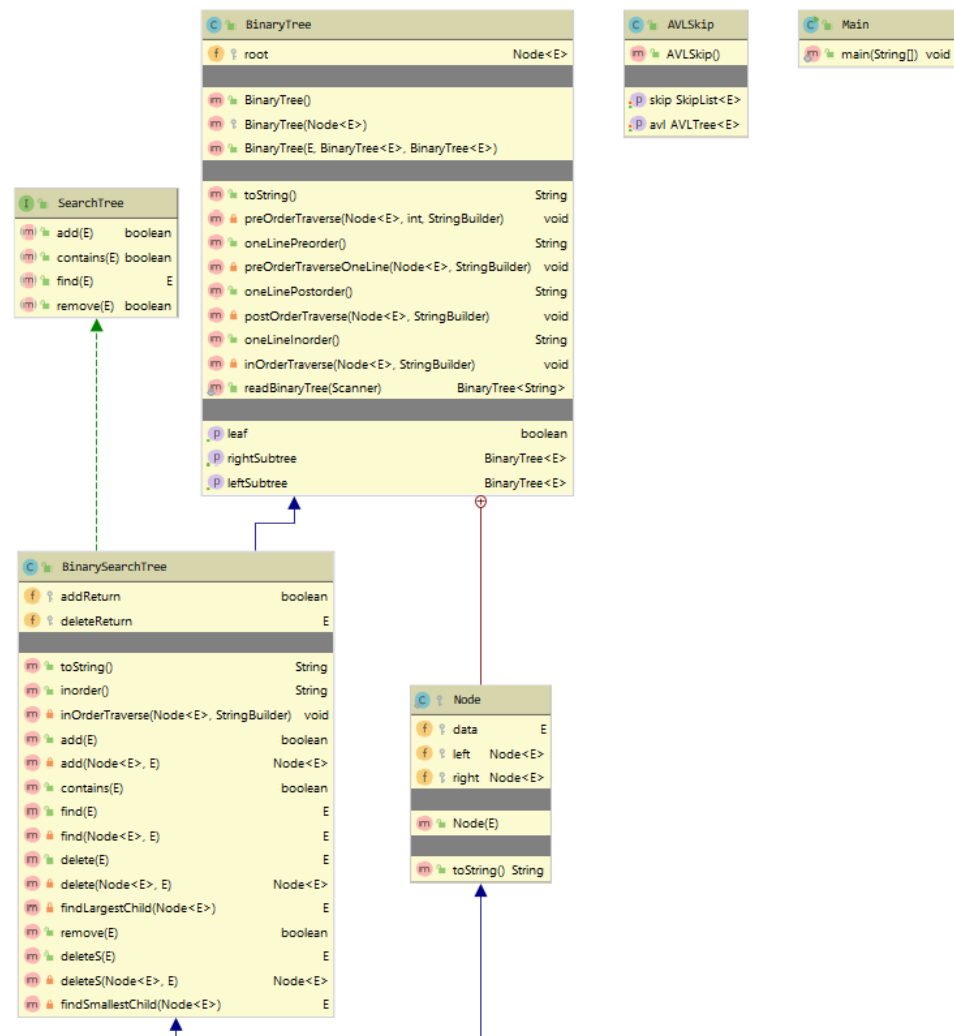


**GIT Department of Computer  
Engineering  
CSE 222/505 - Spring 2021  
Homework 7 part1 Report**

***Refik Orkun Arslan***  
***151044063***

# CLASS DIAGRAM



## Problem solutions approach

We tried to implement skip list and AVL tree by using Navigable set interface. In this case, we filled the methods in NavigableSet interface as given in the assignment and wrote the methods by making this data structure look like it.

## *Running command and results*

```
AVLSkip<Integer> gev=new AVLSkip<Integer>();
```

```
gev.getSkip().insert(12);
```

```
gev.getSkip().insert(13);
```

```
gev.getSkip().insert(14);
```

```
gev.getSkip().insert(15);|
```

```
gev.getSkip().insert(16);
```

```
gev.getSkip().delete(12);
```

```
gev.getSkip().delete(16);
```

```
gev.getSkip().descendingIterator();
```

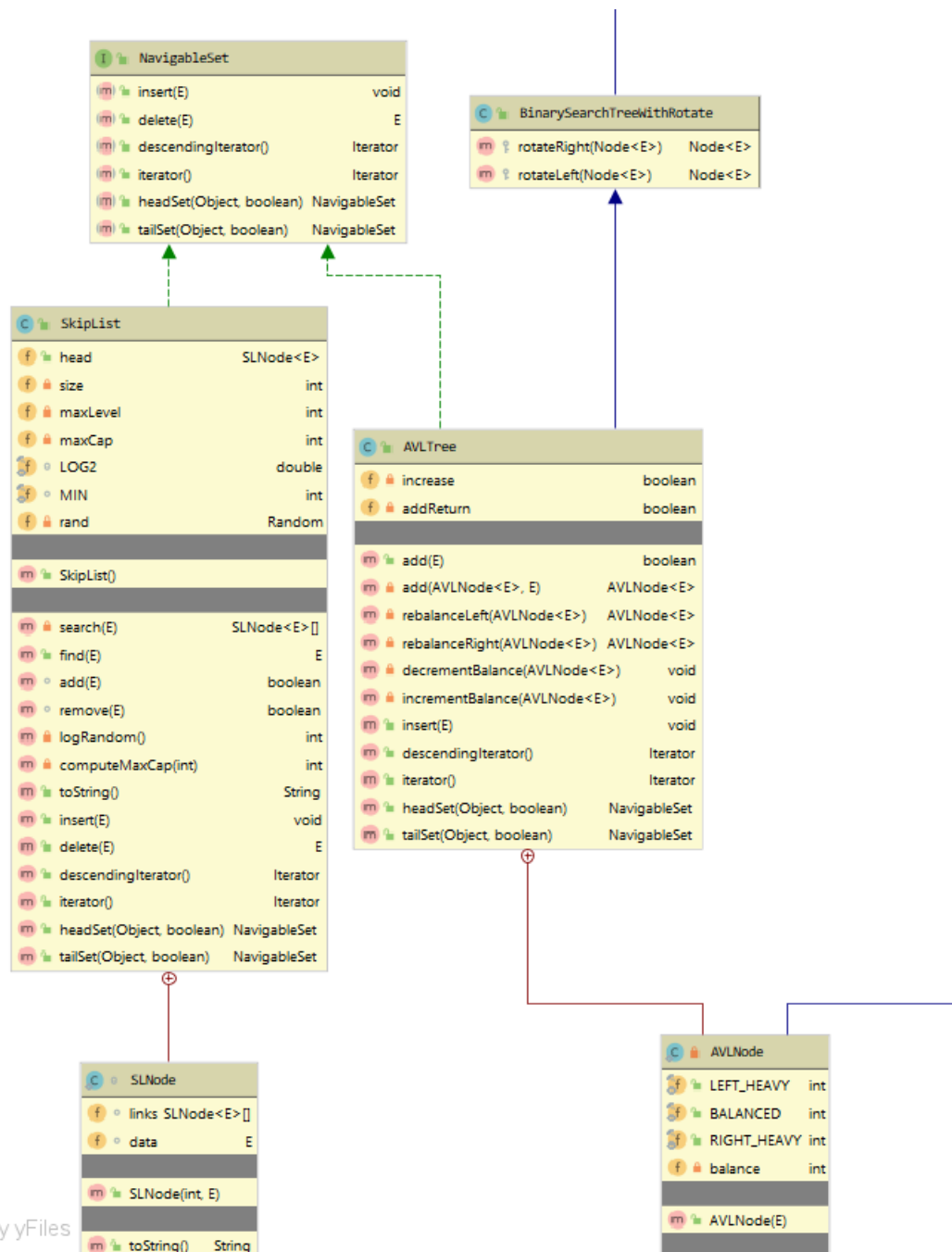
```
gev.getAvl().insert(15);
```

```
gev.getAvl().insert(19);
```

```
gev.getAvl().insert(6);
```

```
gev.getAvl().insert(11);
```

```
gev.getAvl().iterator();
```



ered by yFiles