# GTU Department of Computer Engineering CSE 222/505 - Spring 2020 Homework 08 Report

**ESRA ERYILMAZ 171044046** 

- <u>Q1</u> -

Q1 is in the 171044046.pdf file.

- Q2 -

I could not implement it.

- <u>Q3</u> -

### -Important note-

(I read the input file and while converting it to the weighted graph I find the vertices but I cannot find the weight.

So I could not bring the continuation due to the problem I had while creating the graph.)

#### **Class Diagram**

<<Java Class>> **⊙Main** (default package)

<mark>s°</mark>Main() s³main(String∏):void

<<Java Class>>

# 

(default package)

- vertNumb: int
- □ x: int
- y: int
- √VertexPoints(int,int,int)
- toString():String
- equals(Object):boolean

<<Java Class>>

### • MazeSolver

(default package)

- maze: int[][]
- □ row: int
- o column: int
- vertex: int
- readMaze(String):void
- createAdj():void
- findVertex(int,int):VertexPoints
- isVertex(int,int):boolean
- deadEnd(int,int):boolean
- haveUp(int,int):boolean
- haveDown(int,int):boolean
- haveLeft(int,int):boolean
- haveRight(int,int):boolean

-adj 0..\*

<<Java Class>>

## **⊕**Edge

(default package)

- source: int
- destination: int
- weight: int
- getDest():int
- getSource():int
- getWeight():int
- equals(Edge):boolean
- toString():String