

**MAIN**

JFrame

- Create JPanels(contentPane)
- Create JButton(btn)
- Create JTextField(text)
- Set dimensions and locations of Panels
- Set size and layout of the Frame

- JFrame
- GridGenerate

**GridGenerate**

JFrame

- Create JPanel(contentPane)
- Create JTextField(txt1,txt2,txt3,txt4)
- Create Grid
- set text n
- action perform to generate path for(BFS,DFS,Dijkstra,Recursion)

- BFS
- DFS
- Dijkstra
- Recursion
- JFrame

**BFS**

JFrame

- Create JPanel(contentPane,j1)
- Create JLabel(l1)
- Set value of Destination , Source and n
- Search Maze
- printPath
- PrintHashMap

- GridGenerate
- JFrame

**DFS**

JFrame

- Create JPanel(contentPane,j1)
- Create JLabel(l1)
- Set Value of Source ,Destination and n
- CreateNeighbor
- Create Unique Id
- Print All Paths
- CreateGrid

- GridGenerate
- JFrame

JFrame

## Dijkstra

- Create JPanel(contentPane,j1)
- Create JLabel(lI1)
- Set Value of Source ,Destination and n
- CreateNeighbor
- Create Unique Id
- Print All Paths
- CreateGrid

- GridGenerate
- JFrame

JFrame

## Recursion

- Create JPanel(contentPane,j1)
- Create JLabel(lI1)
- Set Value of Source ,Destination and n
- CreateNeighbor
- Create Unique Id
- Print All Paths
- CreateGrid

- GridGenerate
- JFrame