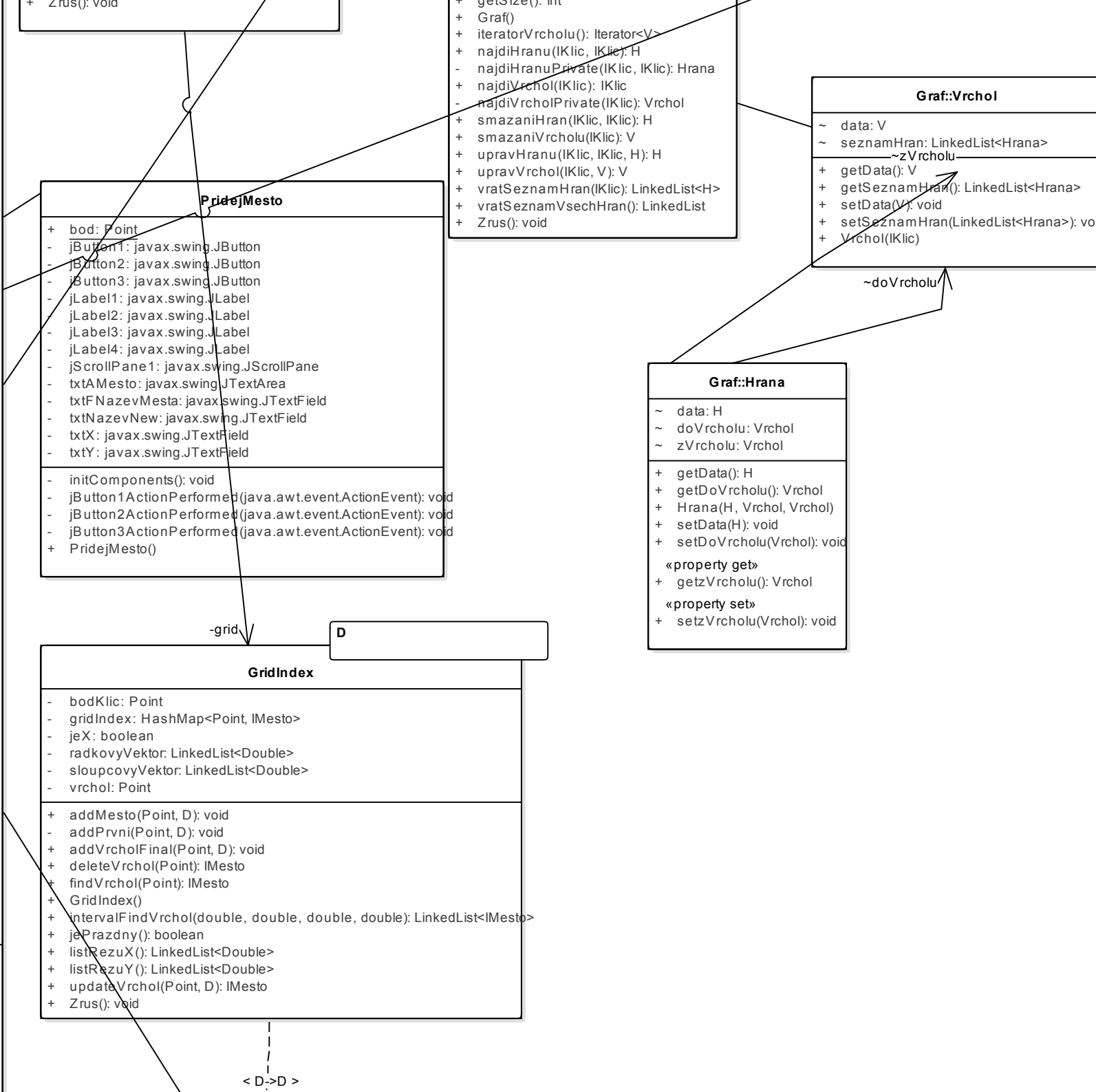


```
gen: Random = new Random(4545345)
+ gf: IGridFile
+ gridIndex: IGridIndex
- jButton1: javax.swing.JButton
- jButton10: javax.swing.JButton
- jButton11: javax.swing.JButton
- jButton12: javax.swing.JButton
- jButton13: javax.swing.JButton
- jButton14: javax.swing.JButton
- jButton2: javax.swing.JButton
- jButton3: javax.swing.JButton
- jButton4: javax.swing.JButton
- jButton5: javax.swing.JButton
- jButton6: javax.swing.JButton
- jButton7: javax.swing.JButton
- jButton8: javax.swing.JButton
- jButton9: javax.swing.JButton
- jLabel1: javax.swing.JLabel
- jLabel2: javax.swing.JLabel
- jLabel3: javax.swing.JLabel
- jLabel4: javax.swing.JLabel
- jLabel5: javax.swing.JLabel
- jLabel6: javax.swing.JLabel
- jLabel7: javax.swing.JLabel
- jLabel8: javax.swing.JLabel
- jLabel9: javax.swing.JLabel
- jPanel1: javax.swing.JPanel
- jPanel2: javax.swing.JPanel
- jPanel3: javax.swing.JPanel
- jPanel4: javax.swing.JPanel
- jPanel5: javax.swing.JPanel
- jPanelHlavni: javax.swing.JPanel
- label: javax.swing.JLabel
- lblNacteno: javax.swing.JLabel
- lblPocMesto: javax.swing.JLabel
- lblSmazano: javax.swing.JLabel
- lblUlozeno: javax.swing.JLabel
+ mapa: IMapa
+ maticeMest: String ( [ ] )
- panelGenerovani: javax.swing.JPanel
- panelVyhledavani: javax.swing.JPanel
- pocatecniMesto: Mesto
- pocetMest: int
- silniceList: LinkedList<ISilnice>
+ strom: LinkedList<String>
- txtMaxX: javax.swing.JTextField
- txtMaxY: javax.swing.JTextField
- txtmesto: javax.swing.JTextField
- txtMinX: javax.swing.JTextField
- txtMinY: javax.swing.JTextField
- txtOhodnoceniSilnice: javax.swing.JTextField
- txtPocetMest: javax.swing.JTextField
- txtPocMesto: javax.swing.JTextField
- txtX: javax.swing.JTextField
- txtY: javax.swing.JTextField

- btnNahrajActionPerformed(java.awt.event.ActionEvent): void
+ GUISemA()
- initComponents(): void
- jButton10ActionPerformed(java.awt.event.ActionEvent): void
- jButton11ActionPerformed(java.awt.event.ActionEvent): void
- jButton12ActionPerformed(java.awt.event.ActionEvent): void
- jButton13ActionPerformed(java.awt.event.ActionEvent): void
- jButton14ActionPerformed(java.awt.event.ActionEvent): void
- jButton2ActionPerformed(java.awt.event.ActionEvent): void
- jButton3ActionPerformed(java.awt.event.ActionEvent): void
- jButton4ActionPerformed(java.awt.event.ActionEvent): void
- jButton5ActionPerformed(java.awt.event.ActionEvent): void
- jButton6ActionPerformed(java.awt.event.ActionEvent): void
- jButton7ActionPerformed(java.awt.event.ActionEvent): void
- jButton8ActionPerformed(java.awt.event.ActionEvent): void
- jButton9ActionPerformed(java.awt.event.ActionEvent): void
- jLabel1ActionPerformed(java.awt.event.ActionEvent): void
- jLabel2ActionPerformed(java.awt.event.ActionEvent): void
- jLabel3ActionPerformed(java.awt.event.ActionEvent): void
- jLabel4ActionPerformed(java.awt.event.ActionEvent): void
- jLabel5ActionPerformed(java.awt.event.ActionEvent): void
- jLabel6ActionPerformed(java.awt.event.ActionEvent): void
- jLabel7ActionPerformed(java.awt.event.ActionEvent): void
- jLabel8ActionPerformed(java.awt.event.ActionEvent): void
- jLabel9ActionPerformed(java.awt.event.ActionEvent): void
- jPanel1ActionPerformed(java.awt.event.ActionEvent): void
- jPanel2ActionPerformed(java.awt.event.ActionEvent): void
- jPanel3ActionPerformed(java.awt.event.ActionEvent): void
- jPanel4ActionPerformed(java.awt.event.ActionEvent): void
- jPanel5ActionPerformed(java.awt.event.ActionEvent): void
- jPanelHlavniActionPerformed(java.awt.event.ActionEvent): void
- labelActionPerformed(java.awt.event.ActionEvent): void
- lblNactenoActionPerformed(java.awt.event.ActionEvent): void
- lblPocMestoActionPerformed(java.awt.event.ActionEvent): void
- lblSmazanoActionPerformed(java.awt.event.ActionEvent): void
- lblUlozenoActionPerformed(java.awt.event.ActionEvent): void
- mapaActionPerformed(java.awt.event.ActionEvent): void
- maticeMestActionPerformed(java.awt.event.ActionEvent): void
- panelGenerovaniActionPerformed(java.awt.event.ActionEvent): void
- panelVyhledavaniActionPerformed(java.awt.event.ActionEvent): void
- pocatecniMestoActionPerformed(java.awt.event.ActionEvent): void
- pocetMestActionPerformed(java.awt.event.ActionEvent): void
- silniceListActionPerformed(java.awt.event.ActionEvent): void
- stromActionPerformed(java.awt.event.ActionEvent): void
- txtMaxXActionPerformed(java.awt.event.ActionEvent): void
- txtMaxYActionPerformed(java.awt.event.ActionEvent): void
- txtmestoActionPerformed(java.awt.event.ActionEvent): void
- txtMinXActionPerformed(java.awt.event.ActionEvent): void
- txtMinYActionPerformed(java.awt.event.ActionEvent): void
- txtOhodnoceniSilniceActionPerformed(java.awt.event.ActionEvent): void
- txtPocetMestActionPerformed(java.awt.event.ActionEvent): void
- txtPocMestoActionPerformed(java.awt.event.ActionEvent): void
- txtXActionPerformed(java.awt.event.ActionEvent): void
- txtYActionPerformed(java.awt.event.ActionEvent): void
```



PridejSilnici

- comBoxUzavreno: javax.swing.JComboBox
 - jButton1: javax.swing.JButton
 - jButton2: javax.swing.JButton
 - jButton3: javax.swing.JButton
 - jLabel1: javax.swing.JLabel
 - jLabel2: javax.swing.JLabel
 - jLabel3: javax.swing.JLabel
 - jLabel4: javax.swing.JLabel
 - jLabel5: javax.swing.JLabel
 - jLabel6: javax.swing.JLabel
 - jLabel7: javax.swing.JLabel
 - jScrollPane1: javax.swing.JScrollPane
 - jTextArea1: javax.swing.JTextArea
 - mestoDo: IMesto
 - mestoOd: IMesto
 - pristupno: boolean
 - txtMesoOd: javax.swing.JTextField
 - txtMestoDo: javax.swing.JTextField
 - txtNazevSilnice: javax.swing.JTextField
 - txtOhodnoceni: javax.swing.JTextField
 - txtSouradniceDo: javax.swing.JTextField
 - txtSouradniceOd: javax.swing.JTextField
-
- initComponents(): void
 - jButton1ActionPerformed(java.awt.event.ActionEvent): void
 - jButton2ActionPerformed(java.awt.event.ActionEvent): void
 - jButton3ActionPerformed(java.awt.event.ActionEvent): void
 - + PridejSilnici()
 - uzavreno(int): boolean

```
- jButton1ActionPerformed(java.awt.event.ActionEvent): void
- jButton2ActionPerformed(java.awt.event.ActionEvent): void
- jButton3ActionPerformed(java.awt.event.ActionEvent): void
- jButton4ActionPerformed(java.awt.event.ActionEvent): void
- jButton5ActionPerformed(java.awt.event.ActionEvent): void
- jButton6ActionPerformed(java.awt.event.ActionEvent): void
- jButton7ActionPerformed(java.awt.event.ActionEvent): void
- jButton8ActionPerformed(java.awt.event.ActionEvent): void
- jButton9ActionPerformed(java.awt.event.ActionEvent): void
- jPanelHlavniMouseClicked(java.awt.event.MouseEvent): void
- kresliBod(Point): void
- kresliHranu(Point, Point): void
+ main(String[]): void
- Nacti(String): IMapa
- nactiSouborCSV(): void
+ paint(Graphics): void
+ paintComponents(Graphics): void
- txtMaxXActionPerformed(java.awt.event.ActionEvent): void
- txtMinYActionPerformed(java.awt.event.ActionEvent): void
- txtPocetMestActionPerformed(java.awt.event.ActionEvent): void
- Uloz(String, IMapa): void
- ulozDoSouboruCSV(IMapa): void
```

