Test

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1 Namespace Index	1
1.1 Packages	1
2 Hierarchical Index	3
2.1 Class Hierarchy	3
3 Class Index	5
3.1 Class List	5
4 File Index	7
4.1 File List	7
5 Namespace Documentation	9
5.1 Package BackEnd	9
5.2 Package FrontEnd	9
6 Class Documentation	11
6.1 BackEnd.BigBomb Class Reference	11
6.1.1 Constructor & Destructor Documentation	12
6.1.1.1 BigBomb()	13
6.1.2 Member Function Documentation	13
6.1.2.1 changelcon()	13
6.1.2.2 getValue()	13
6.2 BackEnd.Board Class Reference	13
6.2.1 Constructor & Destructor Documentation	14
6.2.1.1 Board()	15
6.2.2 Member Function Documentation	15
6.2.2.1 addMoreBombs()	15
6.2.2.2 decHiddenTiles()	15
6.2.2.3 end()	15
6.2.2.4 findZerosAround()	16
6.2.2.5 flagTile()	16
6.2.2.6 generateBombs()	17
6.2.2.7 getBombsAround()	17
6.2.2.8 getCols()	17
6.2.2.9 getFlags()	17
6.2.2.10 getHiddenTiles()	18
6.2.2.11 getRows()	18
6.2.2.12 loadImages()	18
6.2.2.13 modFlag()	18
6.2.2.14 paintComponent()	18
6.2.2.15 resetFlags()	19
6.2.2.16 resetGame()	19
6.2.2.17 restart()	20

6.2.2.18 revealEveryTile()	20
6.2.2.19 revealTile()	21
6.2.2.20 setBombsAroundNums()	21
6.3 BackEnd.Bomb Class Reference	22
6.3.1 Constructor & Destructor Documentation	23
6.3.1.1 Bomb()	23
6.3.2 Member Function Documentation	23
6.3.2.1 changelcon()	23
6.3.2.2 execute()	23
6.3.2.3 getValue()	24
6.3.2.4 reveal()	24
6.3.2.5 revealEnd()	24
6.3.2.6 setBombsAround()	24
6.4 BackEnd.ClusterBomb Class Reference	25
6.4.1 Constructor & Destructor Documentation	26
6.4.1.1 ClusterBomb()	27
6.4.2 Member Function Documentation	27
6.4.2.1 changelcon()	27
6.4.2.2 execute()	27
6.5 BackEnd.Controller Class Reference	27
6.5.1 Constructor & Destructor Documentation	28
6.5.1.1 Controller()	28
6.5.2 Member Function Documentation	28
6.5.2.1 getDiff()	28
6.5.2.2 load()	28
6.5.2.3 passOffset()	29
6.5.2.4 pauseGame()	29
6.5.2.5 resetWindowSize()	30
6.5.2.6 save()	30
6.5.2.7 setDiff()	30
6.5.2.8 setGame()	31
6.5.2.9 setGameMenuBar()	31
6.5.2.10 setMenuBar()	32
6.5.2.11 setML()	32
6.5.2.12 setMMLBoard()	33
6.5.2.13 setPanel()	33
6.5.2.14 setWindow()	34
6.5.2.15 setWindowSize()	34
6.6 BackEnd.Difficulty Enum Reference	34
6.6.1 Member Function Documentation	35
6.6.1.1 bombs()	35
6.6.1.2 cols()	36

6.6.1.3 rows()	36
6.6.1.4 set()	37
6.6.2 Member Data Documentation	37
6.6.2.1 bombs	37
6.6.2.2 cols	37
6.6.2.3 CUSTOM	37
6.6.2.4 EASY	38
6.6.2.5 HARD	38
6.6.2.6 NORMAL	38
6.7 BackEnd.DifusedBomb Class Reference	38
6.7.1 Constructor & Destructor Documentation	39
6.7.1.1 DifusedBomb()	40
6.7.2 Member Function Documentation	40
6.7.2.1 changelcon()	40
6.7.2.2 reveal()	40
6.7.2.3 revealEnd()	40
6.8 FrontEnd.feedBackWindow Class Reference	41
6.8.1 Constructor & Destructor Documentation	41
6.8.1.1 feedBackWindow()	41
6.9 FrontEnd.Game Class Reference	42
6.9.1 Constructor & Destructor Documentation	42
6.9.1.1 Game()	43
6.9.2 Member Function Documentation	43
6.9.2.1 finished()	43
6.9.2.2 getListener()	44
6.9.2.3 init()	44
6.9.2.4 paintComponent()	44
6.9.2.5 restart()	45
6.9.2.6 running()	45
6.9.2.7 setFinished()	46
6.9.2.8 setRunning()	46
6.9.2.9 setStarted()	47
6.9.2.10 start()	47
6.9.2.11 started()	48
6.10 BackEnd.Images Class Reference	49
6.10.1 Member Function Documentation	50
6.10.1.1 loadImages()	50
6.10.2 Member Data Documentation	50
6.10.2.1 bigBomb	50
6.10.2.2 bomb	50
6.10.2.3 clusterBomb	50
6.10.2.4 difusedBomb	50

6.10.2.5 error	 51
6.10.2.6 flag	 51
6.10.2.7 flag2	 51
6.10.2.8 hTile	 51
6.10.2.9 icon	 51
6.10.2.10 MineSweeperFont	 51
6.10.2.11 numbers	 51
6.10.2.12 redBomb	 51
6.10.2.13 resetBomb	 52
6.10.2.14 resetFlagBomb	 52
6.10.2.15 success	 52
6.10.2.16 timerFont	 52
6.10.2.17 unknown	 52
6.11 BackEnd.Main Class Reference	 52
6.11.1 Member Function Documentation	 52
6.11.1.1 main()	 53
6.12 FrontEnd.MenuPanel Class Reference	 53
6.12.1 Constructor & Destructor Documentation	 54
6.12.1.1 MenuPanel()	 54
6.12.2 Member Function Documentation	 54
6.12.2.1 initComponents()	 54
6.12.2.2 setActionListeners()	 55
6.13 FrontEnd.MyMenuBar Class Reference	 55
6.13.1 Constructor & Destructor Documentation	 56
6.13.1.1 MyMenuBar()	 56
6.13.2 Member Function Documentation	 56
6.13.2.1 initComponents()	 56
6.13.2.2 setActionListeners()	 57
6.13.2.3 setGameBar()	 57
6.14 FrontEnd.MyMouseListener Class Reference	 58
6.14.1 Constructor & Destructor Documentation	 58
6.14.1.1 MyMouseListener()	 58
6.14.2 Member Function Documentation	 59
6.14.2.1 mouseReleased()	 59
6.14.2.2 setBoard()	 59
6.14.2.3 setOffset()	 60
6.15 BackEnd.ResetBomb Class Reference	 60
6.15.1 Constructor & Destructor Documentation	 61
6.15.1.1 ResetBomb()	 62
6.15.2 Member Function Documentation	 62
6.15.2.1 changelcon()	 62
6.15.2.2 execute()	 62

6.16 BackEnd.ResetFlagBomb Class Reference	62
6.16.1 Constructor & Destructor Documentation	63
6.16.1.1 ResetFlagBomb()	64
6.16.2 Member Function Documentation	64
6.16.2.1 changelcon()	64
6.16.2.2 execute()	64
6.17 FrontEnd.SettingsPanel Class Reference	65
6.17.1 Constructor & Destructor Documentation	66
6.17.1.1 SettingsPanel()	66
6.17.2 Member Function Documentation	66
6.17.2.1 getDiff()	66
6.17.2.2 setActionListeners()	66
6.17.2.3 submit()	67
6.18 BackEnd.Tile Class Reference	67
6.18.1 Constructor & Destructor Documentation	69
6.18.1.1 Tile()	69
6.18.2 Member Function Documentation	69
6.18.2.1 changelcon()	69
6.18.2.2 flag()	70
6.18.2.3 getBombsAround()	70
6.18.2.4 getCorrespondingIcon()	70
6.18.2.5 getValue()	71
6.18.2.6 getW()	71
6.18.2.7 isFlagged()	71
6.18.2.8 loadlcon()	72
6.18.2.9 paintComponent()	72
6.18.2.10 reveal()	73
6.18.2.11 revealEnd()	73
6.18.2.12 setBombsAround()	74
6.18.2.13 setCoords()	74
6.18.2.14 setFlagged()	75
6.18.2.15 setRevealed()	75
6.18.3 Member Data Documentation	75
6.18.3.1 bombsAround	75
6.18.3.2 icon	75
6.18.3.3 isFlagged	75
6.18.3.4 isRevealed	75
6.18.3.5 master	76
6.18.3.6 w	76
6.18.3.7 x	76
6.19 BackEnd.Time Class Reference	76
6.19.1 Detailed Description	77

6.19.2 Constructor & Destructor Documentation	77
6.19.2.1 Time()	77
6.19.3 Member Function Documentation	77
6.19.3.1 getM()	77
6.19.3.2 getS()	78
6.19.3.3 increase()	78
6.19.3.4 lt()	78
6.20 FrontEnd.Timer Class Reference	79
6.20.1 Constructor & Destructor Documentation	80
6.20.1.1 Timer()	80
6.20.2 Member Function Documentation	80
6.20.2.1 getHeight()	81
6.20.2.2 paintComponent()	81
6.20.2.3 run()	81
6.20.2.4 running()	82
6.20.2.5 setFinished()	82
6.20.2.6 setRunning()	83
6.20.2.7 tick()	83
6.20.2.8 toString()	83
6.21 FrontEnd.VictoryPanel Class Reference	84
6.21.1 Constructor & Destructor Documentation	85
6.21.1.1 VictoryPanel()	85
6.21.2 Member Function Documentation	85
6.21.2.1 initComponents()	85
6.22 FrontEnd.Window Class Reference	85
6.22.1 Constructor & Destructor Documentation	86
6.22.1.1 Window() [1/2]	86
6.22.1.2 Window() [2/2]	87
6.22.2 Member Function Documentation	87
6.22.2.1 getDefSize()	87
6.22.2.2 resetSize()	87
6.22.2.3 setPanel()	87
7 File Documentation	89
7.1 /home/szoliver/eclipse-workspace/Prog3 HF/Prog3 HF/src/BackEnd/BigBomb.java File Reference .	89
7.2 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Board.java File Reference	89
7.3 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Bomb.java File Reference	89
7.4 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/ClusterBomb.java File Reference	
7.5 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Controller.java File Reference .	90
7.6 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Difficulty.java File Reference	90
7.7 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/DifusedBomb.java File Reference	
7.8 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Images.java File Reference	91
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	

Inc	dex	95
	7.22 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/Window.java File Reference .	94
	7.21 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/VictoryPanel.java File Reference	94
	7.20 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/Timer.java File Reference	94
	7.19 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/SettingsPanel.java File Reference	93
	7.18 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/MyMouseListener.java File Reference	93
	7.17 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/MyMenuBar.java File Reference	93
	$7.16\ /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/MenuPanel.java\ File\ Reference$	93
	7.15 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/Game.java File Reference	92
	7.14 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/feedBackWindow.java File Reference	92
	7.13 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Time.java File Reference	92
	7.12 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Tile.java File Reference	92
	7.11 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/ResetFlagBomb.java File Reference	91
	$7.10\ /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/ResetBomb.java\ File\ Reference$	91
	7.9 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Main.java File Reference	91

Namespace Index

1.1 Packages

Here are the packages with brief descriptions (if available):	scriptions (if available):	brief descriptions	packages with	Here are the
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BackEnd																								9
FrontEnd																								ç

2 Namespace Index

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

BackEnd.Controller	27
BackEnd.Difficulty	34
BackEnd.Images	49
BackEnd.Main	52
Thread	
FrontEnd.Timer	79
JFrame	
FrontEnd.Window	8
FrontEnd.feedBackWindow	4
JMenuBar	
FrontEnd.MyMenuBar	5
JPanel	
FrontEnd.Game	42
FrontEnd.MenuPanel	53
FrontEnd.SettingsPanel	6
FrontEnd.VictoryPanel	84
MouseAdapter	
FrontEnd.MyMouseListener	58
Serializable	
BackEnd.Board	
BackEnd.Tile	67
BackEnd.Bomb	22
BackEnd.BigBomb	1
BackEnd.ClusterBomb	2
BackEnd.DifusedBomb	38
BackEnd.ResetBomb	60
BackEnd.ResetFlagBomb	62
BackEnd.Time	70
FrontEnd.Game	
FrontEnd.MyMouseListener	58
FrontEnd Timer	

4 Hierarchical Index

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

BackEnd.BigBomb	11
BackEnd.Board	13
BackEnd.Bomb	22
BackEnd.ClusterBomb	25
BackEnd.Controller	27
BackEnd.Difficulty	34
BackEnd.DifusedBomb	38
FrontEnd.feedBackWindow	41
FrontEnd.Game	42
BackEnd.Images	49
BackEnd.Main	52
FrontEnd.MenuPanel	53
FrontEnd.MyMenuBar	55
FrontEnd.MyMouseListener	58
BackEnd.ResetBomb	60
BackEnd.ResetFlagBomb	62
FrontEnd.SettingsPanel	65
BackEnd.Tile	67
BackEnd.Time	76
FrontEnd.Timer	79
FrontEnd.VictoryPanel	84
Front End Window	OF

6 Class Index

File Index

4.1 File List

Here is a list of all files with brief descriptions:

/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/BigBomb.java	89
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Board.java	89
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Bomb.java	89
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/ClusterBomb.java	90
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Controller.java	90
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Difficulty.java	90
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/DifusedBomb.java	90
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Images.java	91
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Main.java	91
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/ResetBomb.java	91
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/ResetFlagBomb.java	91
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Tile.java	92
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Time.java	92
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/feedBackWindow.java	92
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/Game.java	92
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/MenuPanel.java	93
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/MyMenuBar.java	93
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/MyMouseListener.java	93
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/SettingsPanel.java	93
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/Timer.java	94
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/VictoryPanel.java	94
/home/szoliver/eclipse-workspace/Prog3_HE/Prog3_HE/src/FrontEnd/Window.java	94

8 File Index

Namespace Documentation

5.1 Package BackEnd

Classes

- class BigBomb
- class Board
- class Bomb
- class ClusterBomb
- class Controller
- enum Difficulty
- class DifusedBomb
- class Images
- class Main
- class ResetBomb
- · class ResetFlagBomb
- class Tile
- · class Time

5.2 Package FrontEnd

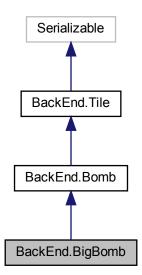
Classes

- · class feedBackWindow
- class Game
- class MenuPanel
- class MyMenuBar
- class MyMouseListener
- class SettingsPanel
- class Timer
- class VictoryPanel
- · class Window

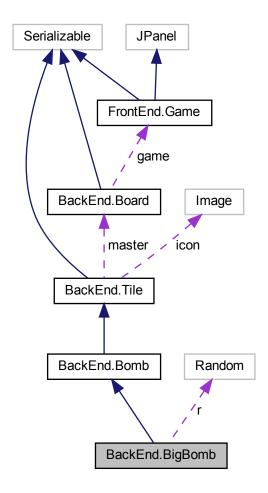
Class Documentation

6.1 BackEnd.BigBomb Class Reference

Inheritance diagram for BackEnd.BigBomb:



Collaboration diagram for BackEnd.BigBomb:



Public Member Functions

- BigBomb (Board b)
- int getValue ()

Protected Member Functions

• void changelcon ()

Additional Inherited Members

6.1.1 Constructor & Destructor Documentation

6.1.1.1 BigBomb()

```
\label{eq:board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_board_
```

6.1.2 Member Function Documentation

6.1.2.1 changelcon()

```
void BackEnd.BigBomb.changeIcon ( ) [protected]
```

Reimplemented from BackEnd.Bomb.

6.1.2.2 getValue()

```
int BackEnd.BigBomb.getValue ( )
```

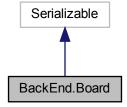
Reimplemented from BackEnd.Bomb.

The documentation for this class was generated from the following file:

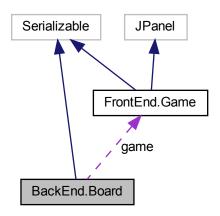
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/BigBomb.java

6.2 BackEnd.Board Class Reference

Inheritance diagram for BackEnd.Board:



Collaboration diagram for BackEnd.Board:



Public Member Functions

- · Board (Difficulty d, Game g, Controller controller)
- int getRows ()
- int getCols ()
- int getHiddenTiles ()
- void resetGame ()
- void end ()
- void restart ()
- void generateBombs (int startX, int startY)
- void setBombsAroundNums ()
- int getBombsAround (int row, int col)
- void revealEveryTile ()
- void findZerosAround (int row, int col)
- void loadImages ()
- void resetFlags ()
- void revealTile (int row, int col)
- void decHiddenTiles ()
- void flagTile (int col, int row)
- int getFlags ()
- void modFlag (int f)
- void addMoreBombs (int db)
- void paintComponent (Graphics g, int startX, int startY)

6.2.1 Constructor & Destructor Documentation

6.2.1.1 Board()

6.2.2 Member Function Documentation

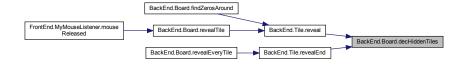
6.2.2.1 addMoreBombs()

```
void BackEnd.Board.addMoreBombs ( \mbox{int } db \mbox{ )} \label{eq:board}
```

6.2.2.2 decHiddenTiles()

```
void BackEnd.Board.decHiddenTiles ( )
```

Here is the caller graph for this function:



6.2.2.3 end()

```
void BackEnd.Board.end ( )
```

Here is the call graph for this function:



6.2.2.4 findZerosAround()

```
void BackEnd.Board.findZerosAround (  \qquad \qquad \text{int } row, \\ \qquad \qquad \text{int } col \ )
```

Here is the call graph for this function:

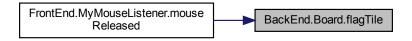


6.2.2.5 flagTile()

Here is the call graph for this function:



Here is the caller graph for this function:



6.2.2.6 generateBombs()

Here is the caller graph for this function:



6.2.2.7 getBombsAround()

Here is the call graph for this function:



6.2.2.8 getCols()

```
int BackEnd.Board.getCols ( )
```

6.2.2.9 getFlags()

```
int BackEnd.Board.getFlags ( )
```

Here is the caller graph for this function:



6.2.2.10 getHiddenTiles()

```
int BackEnd.Board.getHiddenTiles ( )
```

6.2.2.11 getRows()

```
int BackEnd.Board.getRows ( )
```

6.2.2.12 loadImages()

```
void BackEnd.Board.loadImages ( )
```

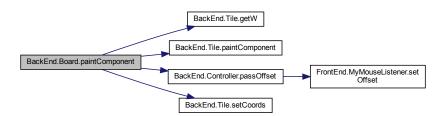
6.2.2.13 modFlag()

Here is the caller graph for this function:

```
FrontEnd.MyMouseListener.mouse Released BackEnd.Board.flagTile BackEnd.Tile.flag BackEnd.Board.modFlag
```

6.2.2.14 paintComponent()

Here is the call graph for this function:



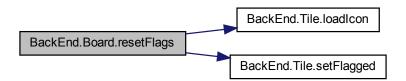
Here is the caller graph for this function:



6.2.2.15 resetFlags()

```
void BackEnd.Board.resetFlags ( )
```

Here is the call graph for this function:



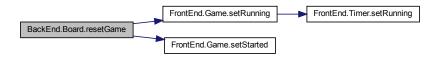
Here is the caller graph for this function:



6.2.2.16 resetGame()

```
void BackEnd.Board.resetGame ( )
```

Here is the call graph for this function:



6.2.2.17 restart()

```
void BackEnd.Board.restart ( )
```

Here is the caller graph for this function:



6.2.2.18 revealEveryTile()

```
void BackEnd.Board.revealEveryTile ( )
```

Here is the call graph for this function:



6.2.2.19 revealTile()

Here is the call graph for this function:



Here is the caller graph for this function:



6.2.2.20 setBombsAroundNums()

```
void BackEnd.Board.setBombsAroundNums ( )
```

Here is the call graph for this function:



Here is the caller graph for this function:

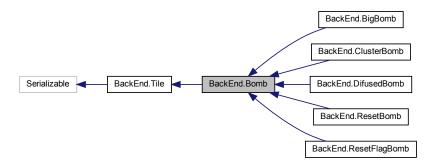


The documentation for this class was generated from the following file:

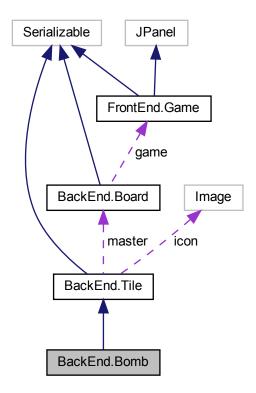
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Board.java

6.3 BackEnd.Bomb Class Reference

Inheritance diagram for BackEnd.Bomb:



Collaboration diagram for BackEnd.Bomb:



Public Member Functions

• Bomb (Board b)

- void reveal ()
- void revealEnd ()
- void setBombsAround (int b)
- int getValue ()

Protected Member Functions

- void changelcon ()
- void execute ()

Additional Inherited Members

6.3.1 Constructor & Destructor Documentation

6.3.1.1 Bomb()

```
\begin{tabular}{lll} BackEnd.Bomb.Bomb & ( \\ Board & b \end{tabular}
```

6.3.2 Member Function Documentation

6.3.2.1 changelcon()

```
void BackEnd.Bomb.changeIcon ( ) [protected]
```

Reimplemented from BackEnd.Tile.

Reimplemented in BackEnd.ResetFlagBomb, BackEnd.ResetBomb, BackEnd.DifusedBomb, BackEnd.ClusterBomb, and BackEnd.BigBomb.

6.3.2.2 execute()

```
void BackEnd.Bomb.execute ( ) [protected]
```

Reimplemented in BackEnd.ResetFlagBomb, BackEnd.ResetBomb, and BackEnd.ClusterBomb.

6.3.2.3 getValue()

```
int BackEnd.Bomb.getValue ( )
```

Reimplemented from BackEnd.Tile.

Reimplemented in BackEnd.BigBomb.

6.3.2.4 reveal()

```
void BackEnd.Bomb.reveal ( )
```

Reimplemented from BackEnd.Tile.

Reimplemented in BackEnd.DifusedBomb.

6.3.2.5 revealEnd()

```
void BackEnd.Bomb.revealEnd ( )
```

Reimplemented from BackEnd.Tile.

Reimplemented in BackEnd.DifusedBomb.

6.3.2.6 setBombsAround()

```
\begin{tabular}{ll} \beg
```

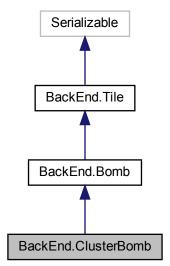
Reimplemented from BackEnd.Tile.

The documentation for this class was generated from the following file:

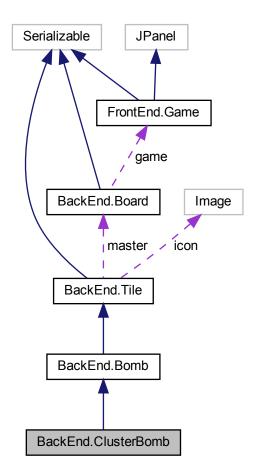
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Bomb.java

6.4 BackEnd.ClusterBomb Class Reference

Inheritance diagram for BackEnd.ClusterBomb:



Collaboration diagram for BackEnd.ClusterBomb:



Public Member Functions

• ClusterBomb (Board b)

Protected Member Functions

- void changelcon ()
- void execute ()

Additional Inherited Members

6.4.1 Constructor & Destructor Documentation

6.4.1.1 ClusterBomb()

```
\label{eq:board_board_board_board_board_b} \texttt{Board} \ b \ )
```

6.4.2 Member Function Documentation

6.4.2.1 changelcon()

```
void BackEnd.ClusterBomb.changeIcon ( ) [protected]
```

Reimplemented from BackEnd.Bomb.

6.4.2.2 execute()

```
void BackEnd.ClusterBomb.execute ( ) [protected]
```

Reimplemented from BackEnd.Bomb.

The documentation for this class was generated from the following file:

• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/ClusterBomb.java

6.5 BackEnd.Controller Class Reference

Public Member Functions

- Controller ()
- void setMenuBar (MyMenuBar m)
- void setGame (Game g)
- void setGameMenuBar (boolean b)
- void setWindow (Window w)
- Difficulty getDiff ()
- void setDiff (Difficulty d)
- void setPanel (JPanel panel)
- void setWindowSize (int w, int h)
- void resetWindowSize ()
- void setML (MyMouseListener m)
- void setMMLBoard (Board b)
- void passOffset (int x, int y)
- boolean pauseGame ()
- void save (Game g)
- Game load ()

6.5.1 Constructor & Destructor Documentation

6.5.1.1 Controller()

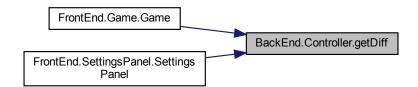
```
BackEnd.Controller.Controller ( )
```

6.5.2 Member Function Documentation

6.5.2.1 getDiff()

```
Difficulty BackEnd.Controller.getDiff ( )
```

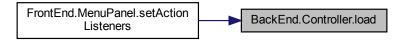
Here is the caller graph for this function:



6.5.2.2 load()

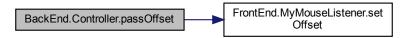
```
Game BackEnd.Controller.load ( )
```

Here is the caller graph for this function:

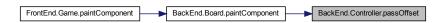


6.5.2.3 passOffset()

Here is the call graph for this function:



Here is the caller graph for this function:



6.5.2.4 pauseGame()

```
boolean BackEnd.Controller.pauseGame ( )
```

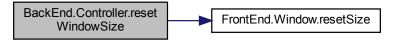
Here is the call graph for this function:



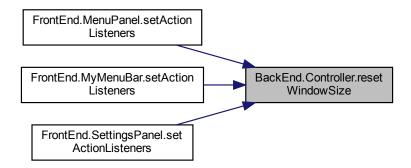
6.5.2.5 resetWindowSize()

```
void BackEnd.Controller.resetWindowSize ( )
```

Here is the call graph for this function:



Here is the caller graph for this function:



6.5.2.6 save()

6.5.2.7 setDiff()

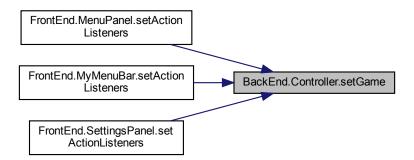
```
void BackEnd.Controller.setDiff ( \label{eq:Difficulty} \mbox{Difficulty } \mbox{$d$ )}
```

Here is the caller graph for this function:



6.5.2.8 setGame()

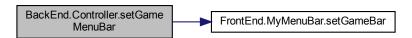
Here is the caller graph for this function:



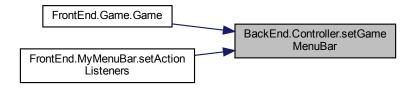
6.5.2.9 setGameMenuBar()

```
void BackEnd.Controller.setGameMenuBar ( boolean\ b\ )
```

Here is the call graph for this function:



Here is the caller graph for this function:



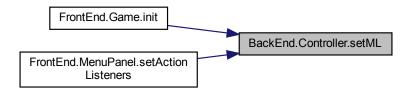
6.5.2.10 setMenuBar()

Here is the caller graph for this function:



6.5.2.11 setML()

Here is the caller graph for this function:



6.5.2.12 setMMLBoard()

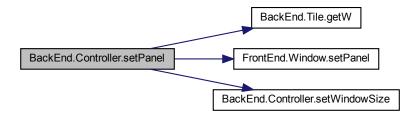
```
void BackEnd.Controller.setMMLBoard ( {\tt Board}\ b\ )
```

Here is the call graph for this function:

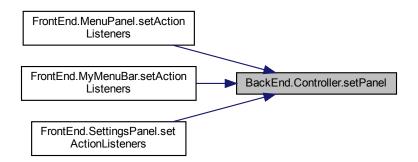


6.5.2.13 setPanel()

Here is the call graph for this function:



Here is the caller graph for this function:



6.5.2.14 setWindow()

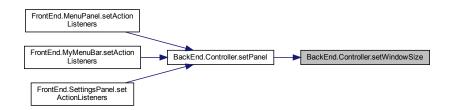
Here is the caller graph for this function:



6.5.2.15 setWindowSize()

```
void BackEnd.Controller.setWindowSize (  \qquad \qquad \text{int } w, \\ \qquad \qquad \text{int } h \ )
```

Here is the caller graph for this function:



The documentation for this class was generated from the following file:

• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Controller.java

6.6 BackEnd.Difficulty Enum Reference

Public Member Functions

```
• void set (int r, int c, int b)
```

- int rows ()
- int cols ()
- int bombs ()

Public Attributes

- **EASY** =(8,8,10)
- NORMAL =(16,16,40)
- HARD =(16,30,99)
- **CUSTOM** =(0,0,0)
- int cols
- int bombs

6.6.1 Member Function Documentation

6.6.1.1 bombs()

int BackEnd.Difficulty.bombs ()

Here is the call graph for this function:



Here is the caller graph for this function:



6.6.1.2 cols()

int BackEnd.Difficulty.cols ()

Here is the call graph for this function:



Here is the caller graph for this function:



6.6.1.3 rows()

int BackEnd.Difficulty.rows ()

Here is the call graph for this function:



Here is the caller graph for this function:



6.6.1.4 set()

6.6.2 Member Data Documentation

6.6.2.1 bombs

int BackEnd.Difficulty.bombs

6.6.2.2 cols

int BackEnd.Difficulty.cols

6.6.2.3 CUSTOM

BackEnd.Difficulty.CUSTOM = (0,0,0)

6.6.2.4 EASY

BackEnd.Difficulty.EASY = (8,8,10)

6.6.2.5 HARD

BackEnd.Difficulty.HARD = (16,30,99)

6.6.2.6 NORMAL

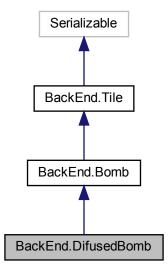
BackEnd.Difficulty.NORMAL = (16,16,40)

The documentation for this enum was generated from the following file:

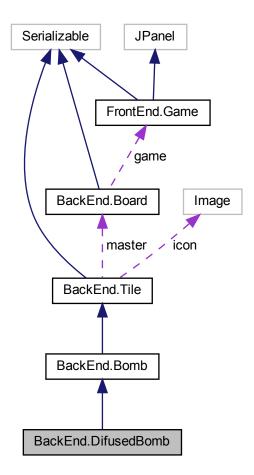
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Difficulty.java

6.7 BackEnd.DifusedBomb Class Reference

Inheritance diagram for BackEnd.DifusedBomb:



Collaboration diagram for BackEnd.DifusedBomb:



Public Member Functions

- DifusedBomb (Board b)
- void reveal ()
- void revealEnd ()

Protected Member Functions

• void changelcon ()

Additional Inherited Members

6.7.1 Constructor & Destructor Documentation

6.7.1.1 DifusedBomb()

```
\label{eq:backend_DiffusedBomb.DiffusedBomb} \mbox{ (} \\ \mbox{Board } b \mbox{ )}
```

6.7.2 Member Function Documentation

6.7.2.1 changelcon()

```
void BackEnd.DifusedBomb.changeIcon ( ) [protected]
```

Reimplemented from BackEnd.Bomb.

6.7.2.2 reveal()

```
void BackEnd.DifusedBomb.reveal ( )
```

Reimplemented from BackEnd.Bomb.

6.7.2.3 revealEnd()

```
void BackEnd.DifusedBomb.revealEnd ( )
```

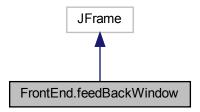
Reimplemented from BackEnd.Bomb.

The documentation for this class was generated from the following file:

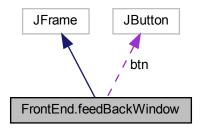
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/DifusedBomb.java

6.8 FrontEnd.feedBackWindow Class Reference

Inheritance diagram for FrontEnd.feedBackWindow:



Collaboration diagram for FrontEnd.feedBackWindow:



Public Member Functions

• feedBackWindow (String text, boolean success)

6.8.1 Constructor & Destructor Documentation

6.8.1.1 feedBackWindow()

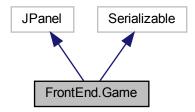
```
\label{thm:content} FrontEnd.feedBackWindow.feedBackWindow \mbox{ (} \\ String \mbox{ } text, \\ boolean \mbox{ } success \mbox{ )} \\
```

The documentation for this class was generated from the following file:

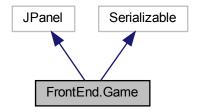
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/feedBackWindow.java

6.9 FrontEnd.Game Class Reference

Inheritance diagram for FrontEnd.Game:



Collaboration diagram for FrontEnd.Game:



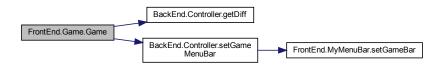
Public Member Functions

- Game (Controller controller)
- void init ()
- MyMouseListener getListener ()
- boolean running ()
- boolean finished ()
- boolean started ()
- void setStarted (boolean b)
- void setFinished (boolean b)
- void setRunning (boolean b)
- void restart ()
- void start (int startX, int startY)
- void paintComponent (Graphics g)

6.9.1 Constructor & Destructor Documentation

6.9.1.1 Game()

Here is the call graph for this function:



6.9.2 Member Function Documentation

6.9.2.1 finished()

```
boolean FrontEnd.Game.finished ( )
```

Here is the call graph for this function:



Here is the caller graph for this function:



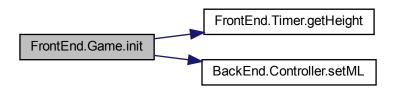
6.9.2.2 getListener()

```
MyMouseListener FrontEnd.Game.getListener ( )
```

6.9.2.3 init()

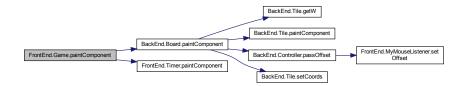
```
void FrontEnd.Game.init ( )
```

Here is the call graph for this function:



6.9.2.4 paintComponent()

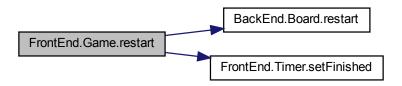
Here is the call graph for this function:



6.9.2.5 restart()

```
void FrontEnd.Game.restart ( )
```

Here is the call graph for this function:



6.9.2.6 running()

```
boolean FrontEnd.Game.running ( )
```

Here is the call graph for this function:



Here is the caller graph for this function:



6.9.2.7 setFinished()

```
\label{eq:content_set} \mbox{ void FrontEnd.Game.setFinished (} \\ \mbox{ boolean } \mbox{ $b$ } \mbox{ )}
```

Here is the call graph for this function:



Here is the caller graph for this function:



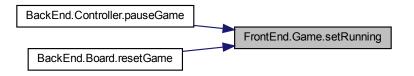
6.9.2.8 setRunning()

```
void FrontEnd.Game.setRunning ( boolean \ b \ )
```

Here is the call graph for this function:



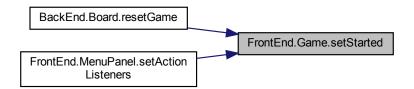
Here is the caller graph for this function:



6.9.2.9 setStarted()

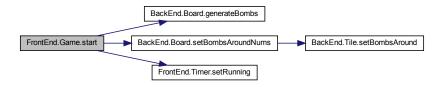
```
\begin{tabular}{ll} \beg
```

Here is the caller graph for this function:



6.9.2.10 start()

Here is the call graph for this function:



Here is the caller graph for this function:



6.9.2.11 started()

```
boolean FrontEnd.Game.started ( )
```

Here is the call graph for this function:



Here is the caller graph for this function:

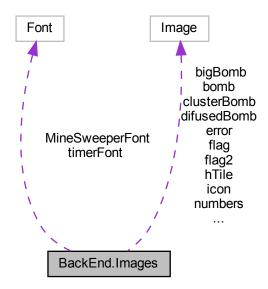


The documentation for this class was generated from the following file:

• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/Game.java

6.10 BackEnd.Images Class Reference

Collaboration diagram for BackEnd.Images:



Static Public Member Functions

• static void loadImages () throws Exception

Static Public Attributes

- static Font timerFont
- static Font MineSweeperFont
- static Image numbers []
- static Image unknown
- · static Image bomb
- static Image resetFlagBomb
- static Image redBomb
- static Image difusedBomb
- static Image resetBomb
- · static Image bigBomb
- static Image clusterBomb
- · static Image flag
- static Image flag2
- static Image hTile
- static Image icon
- · static Image error
- static Image success

6.10.1 Member Function Documentation

6.10.1.1 loadImages()

static void BackEnd.Images.loadImages () throws Exception [static]

Here is the caller graph for this function:



6.10.2 Member Data Documentation

6.10.2.1 bigBomb

Image BackEnd.Images.bigBomb [static]

6.10.2.2 bomb

Image BackEnd.Images.bomb [static]

6.10.2.3 clusterBomb

Image BackEnd.Images.clusterBomb [static]

6.10.2.4 difusedBomb

Image BackEnd.Images.difusedBomb [static]

6.10.2.5 error

Image BackEnd.Images.error [static]

6.10.2.6 flag

Image BackEnd.Images.flag [static]

6.10.2.7 flag2

Image BackEnd.Images.flag2 [static]

6.10.2.8 hTile

Image BackEnd.Images.hTile [static]

6.10.2.9 icon

Image BackEnd.Images.icon [static]

6.10.2.10 MineSweeperFont

Font BackEnd.Images.MineSweeperFont [static]

6.10.2.11 numbers

Image BackEnd.Images.numbers[] [static]

6.10.2.12 redBomb

Image BackEnd.Images.redBomb [static]

6.10.2.13 resetBomb

Image BackEnd.Images.resetBomb [static]

6.10.2.14 resetFlagBomb

Image BackEnd.Images.resetFlagBomb [static]

6.10.2.15 success

Image BackEnd.Images.success [static]

6.10.2.16 timerFont

Font BackEnd.Images.timerFont [static]

6.10.2.17 unknown

Image BackEnd.Images.unknown [static]

The documentation for this class was generated from the following file:

 $\bullet \ \ / home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Images.java$

6.11 BackEnd.Main Class Reference

Static Public Member Functions

• static void main (String[] args)

6.11.1 Member Function Documentation

6.11.1.1 main()

Here is the call graph for this function:

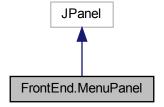


The documentation for this class was generated from the following file:

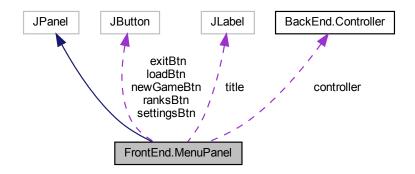
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Main.java

6.12 FrontEnd.MenuPanel Class Reference

Inheritance diagram for FrontEnd.MenuPanel:



Collaboration diagram for FrontEnd.MenuPanel:



Public Member Functions

- MenuPanel (Controller c)
- void initComponents ()
- void setActionListeners ()

6.12.1 Constructor & Destructor Documentation

6.12.1.1 MenuPanel()

6.12.2 Member Function Documentation

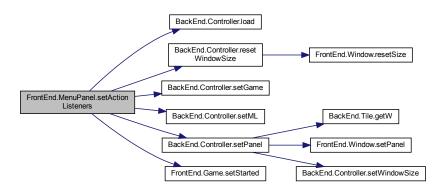
6.12.2.1 initComponents()

```
void FrontEnd.MenuPanel.initComponents ( )
```

6.12.2.2 setActionListeners()

void FrontEnd.MenuPanel.setActionListeners ()

Here is the call graph for this function:

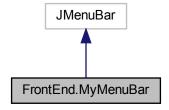


The documentation for this class was generated from the following file:

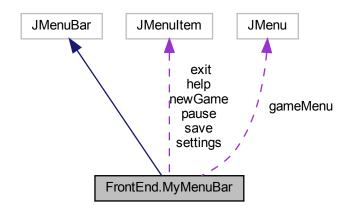
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/MenuPanel.java

6.13 FrontEnd.MyMenuBar Class Reference

Inheritance diagram for FrontEnd.MyMenuBar:



Collaboration diagram for FrontEnd.MyMenuBar:



Public Member Functions

- MyMenuBar (Controller controller)
- void initComponents ()
- void setGameBar (boolean b)
- void setActionListeners ()

6.13.1 Constructor & Destructor Documentation

6.13.1.1 MyMenuBar()

```
\label{thm:main} Front {\tt End.MyMenuBar.MyMenuBar} \mbox{ (} \\  {\tt Controller} \mbox{ } controller \mbox{ )}
```

6.13.2 Member Function Documentation

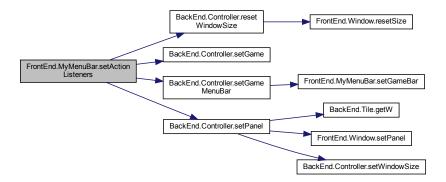
6.13.2.1 initComponents()

```
void FrontEnd.MyMenuBar.initComponents ( )
```

6.13.2.2 setActionListeners()

```
void FrontEnd.MyMenuBar.setActionListeners ( )
```

Here is the call graph for this function:



6.13.2.3 setGameBar()

```
void FrontEnd.MyMenuBar.setGameBar ( boolean b )
```

Here is the caller graph for this function:

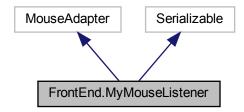


The documentation for this class was generated from the following file:

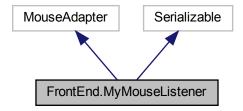
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/MyMenuBar.java

6.14 FrontEnd.MyMouseListener Class Reference

Inheritance diagram for FrontEnd.MyMouseListener:



Collaboration diagram for FrontEnd.MyMouseListener:



Public Member Functions

- MyMouseListener (Board b, Game g)
- void setBoard (Board b)
- void setOffset (int x, int y)
- void mouseReleased (MouseEvent e)

6.14.1 Constructor & Destructor Documentation

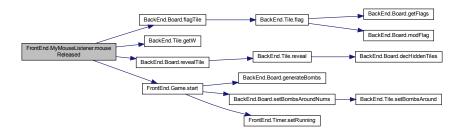
6.14.1.1 MyMouseListener()

6.14.2 Member Function Documentation

6.14.2.1 mouseReleased()

```
void FrontEnd.MyMouseListener.mouseReleased ( {\tt MouseEvent} \ e \ )
```

Here is the call graph for this function:



6.14.2.2 setBoard()

```
void FrontEnd.MyMouseListener.setBoard ( {\tt Board}\ b\ )
```

Here is the caller graph for this function:



6.14.2.3 setOffset()

```
void FrontEnd.MyMouseListener.setOffset (  \mbox{int } x, \\ \mbox{int } y \mbox{)}
```

Here is the caller graph for this function:

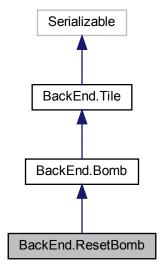


The documentation for this class was generated from the following file:

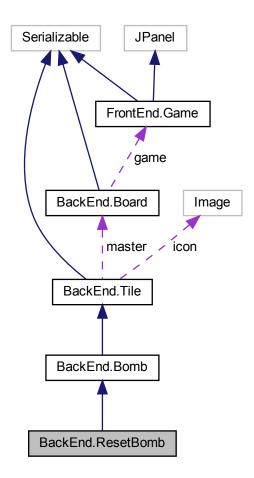
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/MyMouseListener.java

6.15 BackEnd.ResetBomb Class Reference

Inheritance diagram for BackEnd.ResetBomb:



Collaboration diagram for BackEnd.ResetBomb:



Public Member Functions

• ResetBomb (Board b)

Protected Member Functions

- void changelcon ()
- void execute ()

Additional Inherited Members

6.15.1 Constructor & Destructor Documentation

6.15.1.1 ResetBomb()

```
\label{eq:backend.ResetBomb.ResetBomb} \mbox{ (} \\ \mbox{Board } b \mbox{ )}
```

6.15.2 Member Function Documentation

6.15.2.1 changelcon()

```
void BackEnd.ResetBomb.changeIcon ( ) [protected]
```

Reimplemented from BackEnd.Bomb.

6.15.2.2 execute()

```
void BackEnd.ResetBomb.execute ( ) [protected]
```

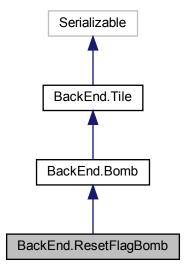
Reimplemented from BackEnd.Bomb.

The documentation for this class was generated from the following file:

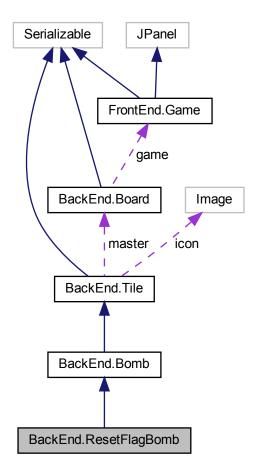
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/ResetBomb.java

6.16 BackEnd.ResetFlagBomb Class Reference

Inheritance diagram for BackEnd.ResetFlagBomb:



Collaboration diagram for BackEnd.ResetFlagBomb:



Public Member Functions

• ResetFlagBomb (Board b)

Protected Member Functions

- void changelcon ()
- void execute ()

Additional Inherited Members

6.16.1 Constructor & Destructor Documentation

6.16.1.1 ResetFlagBomb()

```
\label{eq:backend.ResetFlagBomb.ResetFlagBomb} \mbox{ (} \\ \mbox{Board } b \mbox{ )}
```

6.16.2 Member Function Documentation

6.16.2.1 changelcon()

```
void BackEnd.ResetFlagBomb.changeIcon ( ) [protected]
```

Reimplemented from BackEnd.Bomb.

6.16.2.2 execute()

```
void BackEnd.ResetFlagBomb.execute ( ) [protected]
```

Reimplemented from BackEnd.Bomb.

Here is the call graph for this function:

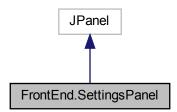


The documentation for this class was generated from the following file:

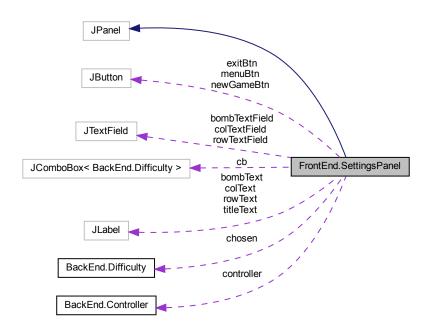
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/ResetFlagBomb.java

6.17 FrontEnd.SettingsPanel Class Reference

Inheritance diagram for FrontEnd.SettingsPanel:



Collaboration diagram for FrontEnd.SettingsPanel:



Public Member Functions

- SettingsPanel (Controller controller)
- boolean submit ()
- Difficulty getDiff ()
- · void setActionListeners ()

6.17.1 Constructor & Destructor Documentation

6.17.1.1 SettingsPanel()

Here is the call graph for this function:



6.17.2 Member Function Documentation

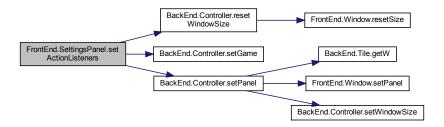
6.17.2.1 getDiff()

```
Difficulty FrontEnd.SettingsPanel.getDiff ( )
```

6.17.2.2 setActionListeners()

```
void FrontEnd.SettingsPanel.setActionListeners ( )
```

Here is the call graph for this function:



6.17.2.3 submit()

```
boolean FrontEnd.SettingsPanel.submit ( )
```

Here is the call graph for this function:

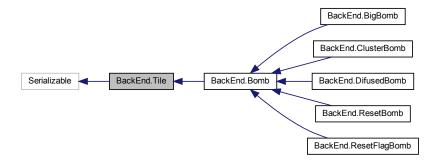


The documentation for this class was generated from the following file:

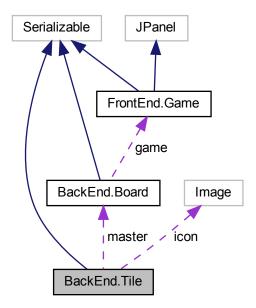
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/SettingsPanel.java

6.18 BackEnd.Tile Class Reference

Inheritance diagram for BackEnd.Tile:



Collaboration diagram for BackEnd.Tile:



Public Member Functions

- Tile (Board b)
- int getValue ()
- int getBombsAround ()
- boolean isFlagged ()
- void setFlagged (boolean b)
- void flag ()
- void setBombsAround (int b)
- void loadlcon ()
- void setCoords (int x, int y)
- Image getCorrespondingIcon ()
- void setRevealed (boolean b)
- void reveal ()
- void revealEnd ()
- void paintComponent (Graphics g)

Static Public Member Functions

• static int getW ()

Protected Member Functions

• void changelcon ()

Protected Attributes

- boolean isFlagged
- boolean isRevealed
- · Board master
- int x
- int bombsAround
- · transient Image icon

Static Protected Attributes

• static int w = 25

6.18.1 Constructor & Destructor Documentation

6.18.1.1 Tile()

6.18.2 Member Function Documentation

6.18.2.1 changelcon()

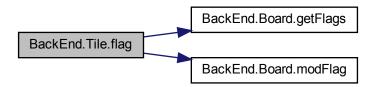
```
void BackEnd.Tile.changeIcon ( ) [protected]
```

Reimplemented in BackEnd.ResetFlagBomb, BackEnd.ResetBomb, BackEnd.DifusedBomb, BackEnd.ClusterBomb, BackEnd.Bomb, and BackEnd.BigBomb.

6.18.2.2 flag()

```
void BackEnd.Tile.flag ( )
```

Here is the call graph for this function:



Here is the caller graph for this function:



6.18.2.3 getBombsAround()

```
int BackEnd.Tile.getBombsAround ( )
```

6.18.2.4 getCorrespondingIcon()

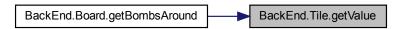
Image BackEnd.Tile.getCorrespondingIcon ()

6.18.2.5 getValue()

```
int BackEnd.Tile.getValue ( )
```

Reimplemented in BackEnd.Bomb, and BackEnd.BigBomb.

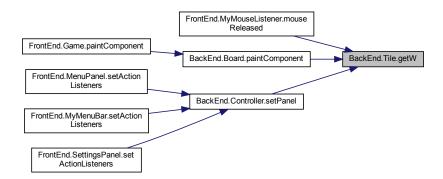
Here is the caller graph for this function:



6.18.2.6 getW()

```
static int BackEnd.Tile.getW ( ) [static]
```

Here is the caller graph for this function:



6.18.2.7 isFlagged()

boolean BackEnd.Tile.isFlagged ()

Here is the call graph for this function:



Here is the caller graph for this function:



6.18.2.8 loadlcon()

```
void BackEnd.Tile.loadIcon ( )
```

Here is the caller graph for this function:



6.18.2.9 paintComponent()

Here is the caller graph for this function:



6.18.2.10 reveal()

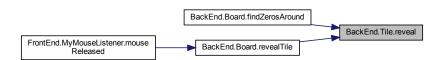
```
void BackEnd.Tile.reveal ( )
```

Reimplemented in BackEnd.DifusedBomb, and BackEnd.Bomb.

Here is the call graph for this function:



Here is the caller graph for this function:



6.18.2.11 revealEnd()

```
void BackEnd.Tile.revealEnd ( )
```

Reimplemented in BackEnd.DifusedBomb, and BackEnd.Bomb.

Here is the call graph for this function:



Here is the caller graph for this function:



6.18.2.12 setBombsAround()

```
void BackEnd.Tile.setBombsAround ( int \ b \ )
```

Reimplemented in BackEnd.Bomb.

Here is the caller graph for this function:

```
FrontEnd.MyMouseListener.mouse Released FrontEnd.Game.start BackEnd.Board.setBombsAroundNums BackEnd.Tile.setBombsAround
```

6.18.2.13 setCoords()

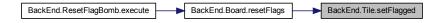
Here is the caller graph for this function:



6.18.2.14 setFlagged()

```
\begin{tabular}{ll} \beg
```

Here is the caller graph for this function:



6.18.2.15 setRevealed()

6.18.3 Member Data Documentation

6.18.3.1 bombsAround

```
int BackEnd.Tile.bombsAround [protected]
```

6.18.3.2 icon

transient Image BackEnd.Tile.icon [protected]

6.18.3.3 isFlagged

boolean BackEnd.Tile.isFlagged [protected]

6.18.3.4 isRevealed

boolean BackEnd.Tile.isRevealed [protected]

6.18.3.5 master

```
Board BackEnd.Tile.master [protected]
```

6.18.3.6 w

```
int BackEnd.Tile.w = 25 [static], [protected]
```

6.18.3.7 x

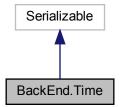
```
int BackEnd.Tile.x [protected]
```

The documentation for this class was generated from the following file:

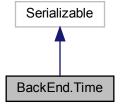
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Tile.java

6.19 BackEnd.Time Class Reference

Inheritance diagram for BackEnd.Time:



Collaboration diagram for BackEnd.Time:



Public Member Functions

- Time ()
- void increase ()
- boolean It (int num)
- int getM ()
- int getS ()

6.19.1 Detailed Description

Egyszerű idő osztály, ami a mostani feladat megoldásához elegendő.

6.19.2 Constructor & Destructor Documentation

6.19.2.1 Time()

```
BackEnd.Time.Time ( )
```

Tárolja az időt percekben és másodpercekben.

6.19.3 Member Function Documentation

6.19.3.1 getM()

```
int BackEnd.Time.getM ( )
```

Get függvény a percek lekérésére.

Returns

A percek értéke.

Here is the caller graph for this function:



6.19.3.2 getS()

```
int BackEnd.Time.getS ( )
```

Get függvény a másodpercek lekérésére.

Returns

A másodpercek értéke.

Here is the caller graph for this function:



6.19.3.3 increase()

```
void BackEnd.Time.increase ( )
```

Megnöveli eggyel az idő értékét. Ha a másodperc elér a 60-at, akkor a percet növeli eggyel, azt meg lenullázza. Here is the caller graph for this function:



6.19.3.4 lt()

Függvény annak eldöntésére, hogy az idő kisebb-e, mint a megadott érték.

Parameters

kben	másodpercek	A vizsgált idő	num
KD	masoapercek	A vizsgait ido	num

Returns

true, ha valóban kisebb.

Here is the caller graph for this function:

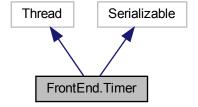


The documentation for this class was generated from the following file:

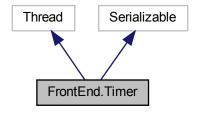
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackEnd/Time.java

6.20 FrontEnd.Timer Class Reference

Inheritance diagram for FrontEnd.Timer:



Collaboration diagram for FrontEnd.Timer:



Public Member Functions

- Timer ()
- int getHeight ()
- String toString ()
- void run ()
- void setFinished (boolean b)
- void setRunning (boolean run)
- boolean running ()
- void tick ()
- void paintComponent (Graphics g, int width)

6.20.1 Constructor & Destructor Documentation

6.20.1.1 Timer()

FrontEnd.Timer.Timer ()

6.20.2 Member Function Documentation

6.20.2.1 getHeight()

```
int FrontEnd.Timer.getHeight ( )
```

Here is the caller graph for this function:



6.20.2.2 paintComponent()

Here is the caller graph for this function:



6.20.2.3 run()

```
void FrontEnd.Timer.run ( )
```

6.20.2.4 running()

boolean FrontEnd.Timer.running ()

Here is the call graph for this function:



Here is the caller graph for this function:



6.20.2.5 setFinished()

```
void FrontEnd.Timer.setFinished ( boolean \ b \ )
```

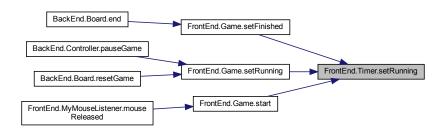
Here is the caller graph for this function:



6.20.2.6 setRunning()

```
\begin{tabular}{ll} \beg
```

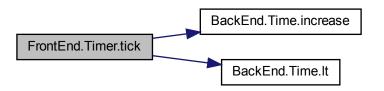
Here is the caller graph for this function:



6.20.2.7 tick()

```
void FrontEnd.Timer.tick ( )
```

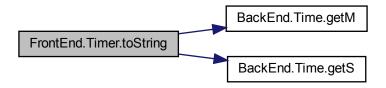
Here is the call graph for this function:



6.20.2.8 toString()

```
String FrontEnd.Timer.toString ( )
```

Here is the call graph for this function:

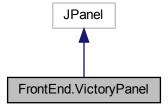


The documentation for this class was generated from the following file:

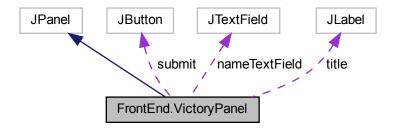
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/Timer.java

6.21 FrontEnd.VictoryPanel Class Reference

Inheritance diagram for FrontEnd.VictoryPanel:



Collaboration diagram for FrontEnd.VictoryPanel:



Public Member Functions

- VictoryPanel (int m, int s, boolean custom)
- void initComponents ()

6.21.1 Constructor & Destructor Documentation

6.21.1.1 VictoryPanel()

```
FrontEnd.VictoryPanel.VictoryPanel (
    int m,
    int s,
    boolean custom )
```

6.21.2 Member Function Documentation

6.21.2.1 initComponents()

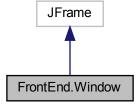
```
void FrontEnd.VictoryPanel.initComponents ( )
```

The documentation for this class was generated from the following file:

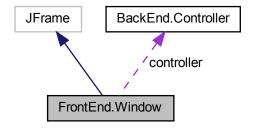
• /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/VictoryPanel.java

6.22 FrontEnd.Window Class Reference

Inheritance diagram for FrontEnd.Window:



Collaboration diagram for FrontEnd.Window:



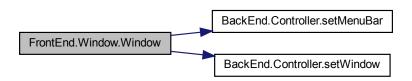
Public Member Functions

- Window (String title, Controller controller)
- void resetSize ()
- Window (String title, Controller controller, Image img)
- Dimension getDefSize ()
- void setPanel (JPanel panel)

6.22.1 Constructor & Destructor Documentation

6.22.1.1 Window() [1/2]

Here is the call graph for this function:



6.22.1.2 Window() [2/2]

```
FrontEnd.Window.Window (
String title,
Controller controller,
Image img)
```

6.22.2 Member Function Documentation

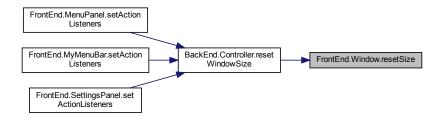
6.22.2.1 getDefSize()

```
Dimension FrontEnd.Window.getDefSize ( )
```

6.22.2.2 resetSize()

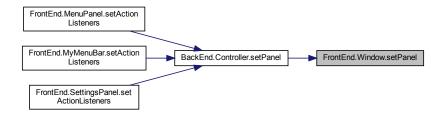
```
void FrontEnd.Window.resetSize ( )
```

Here is the caller graph for this function:



6.22.2.3 setPanel()

Here is the caller graph for this function:



The documentation for this class was generated from the following file:

 $\bullet \ \ / home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FrontEnd/Window.java$

Chapter 7

File Documentation

7.1 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Back← End/BigBomb.java File Reference

Classes

• class BackEnd.BigBomb

Packages

- package BackEnd
- 7.2 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Back← End/Board.java File Reference

Classes

· class BackEnd.Board

Packages

- package BackEnd
- 7.3 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Back← End/Bomb.java File Reference

Classes

· class BackEnd.Bomb

90 File Documentation

Packages

- package BackEnd
- 7.4 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Back ← End/ClusterBomb.java File Reference

Classes

· class BackEnd.ClusterBomb

Packages

- package BackEnd
- 7.5 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Back ← End/Controller.java File Reference

Classes

· class BackEnd.Controller

Packages

- package BackEnd
- 7.6 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Back ← End/Difficulty.java File Reference

Classes

· enum BackEnd.Difficulty

Packages

- package BackEnd
- 7.7 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Back ← End/DifusedBomb.java File Reference

Classes

· class BackEnd.DifusedBomb

Packages

- package BackEnd
- 7.8 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Back
 End/Images.java File Reference

Classes

class BackEnd.Images

Packages

- package BackEnd
- 7.9 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Back ← End/Main.java File Reference

Classes

· class BackEnd.Main

Packages

- package BackEnd
- 7.10 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Back End/ResetBomb.java File Reference

Classes

· class BackEnd.ResetBomb

Packages

- package BackEnd
- 7.11 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Back
 End/ResetFlagBomb.java File Reference

Classes

class BackEnd.ResetFlagBomb

92 File Documentation

Packages

package BackEnd

7.12 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Back← End/Tile.java File Reference

Classes

class BackEnd.Tile

Packages

package BackEnd

7.13 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Back← End/Time.java File Reference

Classes

class BackEnd.Time

Packages

• package BackEnd

7.14 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Front ← End/feedBackWindow.java File Reference

Classes

· class FrontEnd.feedBackWindow

Packages

package FrontEnd

7.15 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Front ← End/Game.java File Reference

Classes

· class FrontEnd.Game

Packages

- package FrontEnd
- 7.16 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Front End/MenuPanel.java File Reference

Classes

class FrontEnd.MenuPanel

Packages

- package FrontEnd
- 7.17 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Front End/MyMenuBar.java File Reference

Classes

· class FrontEnd.MyMenuBar

Packages

- package FrontEnd
- 7.18 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Front ← End/MyMouseListener.java File Reference

Classes

• class FrontEnd.MyMouseListener

Packages

- package FrontEnd
- 7.19 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Front⊸ End/SettingsPanel.java File Reference

Classes

class FrontEnd.SettingsPanel

94 File Documentation

Packages

package FrontEnd

7.20 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Front ← End/Timer.java File Reference

Classes

· class FrontEnd.Timer

Packages

package FrontEnd

7.21 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Front End/VictoryPanel.java File Reference

Classes

• class FrontEnd.VictoryPanel

Packages

package FrontEnd

7.22 /home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Front ← End/Window.java File Reference

Classes

• class FrontEnd.Window

Packages

package FrontEnd

Index

```
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Backgrabb/Biggbt/mb.java,
                                                                                                                                                                     changelcon, 13
/home/szoliver/eclipse-workspace/Prog3 HF/Prog3 HF/src/Baoten/da/Bearld3java,
                                                                                                                                                        BackEnd.Board, 13
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Backetolloll/bre/Bibrijabsa, 15
                                                                                                                                                                      Board, 14
/home/szoliver/eclipse-workspace/Prog3 HF/Prog3 HF/src/Baotterdi@desteitBon15.java,
                                                                                                                                                                     end. 15
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/BackinEdizeCoss:Arollerdava,
                                                                                                                                                                     flagTile, 16
/home/szoliver/eclipse-workspace/Prog3 HF/Prog3 HF/src/Backenet/alebarttpsavta
                                                                                                                                                                     getBombsAround, 17
/home/szoliver/eclipse-workspace/Prog3\_HF/Prog3\_HF/src/Backset/Bigift \cite{SedBomb.i} java, and the control of the control 
                                                                                                                                                                     getFlags, 17
/home/szoliver/eclipse-workspace/Prog3 HF/Prog3 HF/src/Baok Ethild description
                                                                                                                                                                     getRows, 18
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Baddt/l/agiesjat/a,
                                                                                                                                                                      modFlag, 18
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Backant@aspotBentb.java,
                                                                                                                                                                     resetFlags, 19
/home/szoliver/eclipse-workspace/Prog3 HF/Prog3 HF/src/Backeset/FlagBomb.java,
                                                                                                                                                                     restart, 20
/home/szoliver/eclipse-workspace/Prog3 HF/Prog3 HF/src/Backerpat/Eiverjavale, 20
                                                                                                                                                                     revealTile, 20
/home/szoliver/eclipse-workspace/Prog3 HF/Prog3 HF/src/BacketBot/filloseAjavandNums, 21
                                                                                                                                                        BackEnd.Bomb, 22
/home/szoliver/eclipse-workspace/Prog3 HF/Prog3 HF/src/From HEmmb/Game.java,
                                                                                                                                                                     changelcon, 23
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Frometherodythelleand Panel.java,
                                                                                                                                                                     getValue, 23
/home/szoliver/eclipse-workspace/Prog3 HF/Prog3 HF/src/Fromtone HF/src/Fromton
                                                                                                                                                                     revealEnd, 24
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/FroistEtBd/ft/lystArraseblisteiner.java,
                                                                                                                                                        BackEnd.ClusterBomb, 25
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Froutfand/Sething&Panel.java,
                                                                                                                                                                      ClusterBomb, 26
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/From Teinar.java,
                                                                                                                                                        BackEnd.Controller, 27
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/From Ental Miesto 20 Panel. java,
                                                                                                                                                                     getDiff, 28
/home/szoliver/eclipse-workspace/Prog3_HF/Prog3_HF/src/Fromtheddataindow.java,
                                                                                                                                                                     passOffset, 28
/home/szoliver/eclipse-workspace/Prog3 HF/Prog3 HF/src/Froptations/@adt@act@window.java,
                          92
                                                                                                                                                                     resetWindowSize, 29
                                                                                                                                                                     save, 30
addMoreBombs
                                                                                                                                                                     setDiff, 30
             BackEnd.Board, 15
                                                                                                                                                                     setGame, 31
                                                                                                                                                                     setGameMenuBar, 31
BackEnd. 9
                                                                                                                                                                     setMenuBar, 32
BackEnd.BigBomb, 11
```

setML, 32	isRevealed, 75
setMMLBoard, 32	loadlcon, 72
setPanel, 33	master, 75
setWindow, 33	paintComponent, 72
setWindowSize, 34	reveal, 73
BackEnd.Difficulty, 34	revealEnd, 73
bombs, 35, 37	setBombsAround, 74
cols, 35, 37	setCoords, 74
CUSTOM, 37	setFlagged, 74
EASY, 37	setRevealed, 75
HARD, 38	Tile, 69
NORMAL, 38	w, 76
rows, 36	x, 76
set, 37	BackEnd.Time, 76
BackEnd.DifusedBomb, 38	getM, 77
changelcon, 40	getS, 77
DifusedBomb, 39	increase, 78
reveal, 40	lt, 78
revealEnd, 40	Time, 77
BackEnd.Images, 49	BigBomb
bigBomb, 50	BackEnd.BigBomb, 12
bomb, 50	bigBomb
clusterBomb, 50	BackEnd.Images, 50
difusedBomb, 50	Board
error, 50	BackEnd.Board, 14
flag, 51	Bomb
_	
flag2, 51	BackEnd.Bomb, 23
hTile, 51	bomb
icon, 51	BackEnd.Images, 50
loadImages, 50	bombs
MineSweeperFont, 51	BackEnd.Difficulty, 35, 37
numbers, 51	bombsAround
redBomb, 51	BackEnd.Tile, 75
resetBomb, 51	
resetFlagBomb, 52	changelcon
success, 52	BackEnd.BigBomb, 13
timerFont, 52	BackEnd.Bomb, 23
unknown, 52	BackEnd.ClusterBomb, 27
BackEnd.Main, 52	BackEnd.DifusedBomb, 40
main, 52	BackEnd.ResetBomb, 62
BackEnd.ResetBomb, 60	BackEnd.ResetFlagBomb, 64
changelcon, 62	BackEnd.Tile, 69
	ClusterBomb
execute, 62	BackEnd.ClusterBomb, 26
ResetBomb, 61	clusterBomb
BackEnd.ResetFlagBomb, 62	
changelcon, 64	BackEnd.Images, 50
execute, 64	cols
ResetFlagBomb, 63	BackEnd.Difficulty, 35, 37
BackEnd.Tile, 67	Controller
bombsAround, 75	BackEnd.Controller, 28
changelcon, 69	CUSTOM
flag, 69	BackEnd.Difficulty, 37
getBombsAround, 70	
getCorrespondingIcon, 70	decHiddenTiles
getValue, 70	BackEnd.Board, 15
getW, 71	DifusedBomb
icon, 75	BackEnd.DifusedBomb, 39
isFlagged, 71, 75	difusedBomb
isi layyeu, / i, / 3	BackEnd.Images, 50

EASY	submit, 66
BackEnd.Difficulty, 37	FrontEnd.Timer, 79
end	getHeight, 80
BackEnd.Board, 15	paintComponent, 81
error	run, 81
BackEnd.Images, 50	running, 81
execute	setFinished, 82
BackEnd.Bomb, 23	setRunning, 82
BackEnd.ClusterBomb, 27	tick, 83
BackEnd.ResetBomb, 62	Timer, 80
BackEnd.ResetFlagBomb, 64	toString, 83
,	FrontEnd.VictoryPanel, 84
feedBackWindow	initComponents, 85
FrontEnd.feedBackWindow, 41	VictoryPanel, 85
findZerosAround	FrontEnd.Window, 85
BackEnd.Board, 15	getDefSize, 87
finished	resetSize, 87
FrontEnd.Game, 43	setPanel, 87
flag	Window, 86
BackEnd.Images, 51	Williadw, dd
BackEnd.Tile, 69	Game
flag2	FrontEnd.Game, 42
BackEnd.Images, 51	generateBombs
flagTile	BackEnd.Board, 16
BackEnd.Board, 16	getBombsAround
FrontEnd, 9	BackEnd.Board, 17
FrontEnd.feedBackWindow, 41	BackEnd.Tile, 70
feedBackWindow, 41	
FrontEnd.Game, 42	getCols
finished, 43	BackEnd.Board, 17
Game, 42	getCorrespondingIcon
getListener, 43	BackEnd.Tile, 70
	getDefSize
init, 44	FrontEnd.Window, 87
paintComponent, 44	getDiff
restart, 44	BackEnd.Controller, 28
running, 45	FrontEnd.SettingsPanel, 66
setFinished, 45	getFlags
setRunning, 46	BackEnd.Board, 17
setStarted, 47	getHeight
start, 47	FrontEnd.Timer, 80
started, 48	getHiddenTiles
FrontEnd.MenuPanel, 53	BackEnd.Board, 17
initComponents, 54	getListener
MenuPanel, 54	FrontEnd.Game, 43
setActionListeners, 54	getM
FrontEnd.MyMenuBar, 55	BackEnd.Time, 77
initComponents, 56	getRows
MyMenuBar, 56	BackEnd.Board, 18
setActionListeners, 56	getS
setGameBar, 57	BackEnd.Time, 77
FrontEnd.MyMouseListener, 58	getValue
mouseReleased, 59	BackEnd.BigBomb, 13
MyMouseListener, 58	BackEnd.Bomb, 23
setBoard, 59	BackEnd.Tile, 70
setOffset, 59	getW
FrontEnd.SettingsPanel, 65	BackEnd.Tile, 71
getDiff, 66	 ,
setActionListeners, 66	HARD
SettingsPanel, 66	BackEnd.Difficulty, 38
,	• •

hTile	BackEnd Controllor 20
BackEnd.Images, 51	BackEnd.Controller, 29
DackEnd.images, 51	redBomb
icon	BackEnd.Images, 51
BackEnd.Images, 51	ResetBomb
BackEnd.Tile, 75	BackEnd.ResetBomb, 61
increase	resetBomb
BackEnd.Time, 78	BackEnd.Images, 51
init	ResetFlagBomb
FrontEnd.Game, 44	BackEnd.ResetFlagBomb, 63
initComponents	resetFlagBomb
FrontEnd.MenuPanel, 54	BackEnd.Images, 52
FrontEnd.MyMenuBar, 56	resetFlags
FrontEnd.VictoryPanel, 85	BackEnd.Board, 19
isFlagged	resetGame
BackEnd.Tile, 71, 75 isRevealed	BackEnd.Board, 19 resetSize
BackEnd.Tile, 75	FrontEnd.Window, 87
DackLiid. Tile, 73	resetWindowSize
load	BackEnd.Controller, 29
BackEnd.Controller, 28	restart
loadlcon	BackEnd.Board, 20
BackEnd.Tile, 72	FrontEnd.Game, 44
loadImages	reveal
BackEnd.Board, 18	BackEnd.Bomb, 24
BackEnd.Images, 50	BackEnd.DifusedBomb, 40
It	BackEnd.Tile, 73
BackEnd.Time, 78	revealEnd
	BackEnd.Bomb, 24
main	BackEnd.DifusedBomb, 40
BackEnd.Main, 52	BackEnd.Tile, 73
master	revealEveryTile
BackEnd.Tile, 75	BackEnd.Board, 20
MenuPanel	revealTile
FrontEnd.MenuPanel, 54	BackEnd.Board, 20
MineSweeperFont	rows
BackEnd.Images, 51	BackEnd.Difficulty, 36
modFlag	run
BackEnd.Board, 18	FrontEnd.Timer, 81
mouseReleased	running
FrontEnd.MyMouseListener, 59	FrontEnd.Game, 45
MyMenuBar FrontEnd MyMonuBar, E6	FrontEnd.Timer, 81
FrontEnd.MyMenuBar, 56 MyMouseListener	
FrontEnd.MyMouseListener, 58	save
Trontend.iwywodsecisterier, 30	BackEnd.Controller, 30
NORMAL	Set Deals End Difficulty 27
BackEnd.Difficulty, 38	BackEnd.Difficulty, 37
numbers	setActionListeners
BackEnd.Images, 51	FrontEnd.MenuParel, 54
5 /	FrontEnd.MyMenuBar, 56
paintComponent	FrontEnd.SettingsPanel, 66 setBoard
BackEnd.Board, 18	
BackEnd.Tile, 72	FrontEnd.MyMouseListener, 59 setBombsAround
FrontEnd.Game, 44	BackEnd.Bomb, 24
FrontEnd.Timer, 81	BackEnd.Bomb, 24 BackEnd.Tile, 74
passOffset	setBombsAroundNums
BackEnd.Controller, 28	BackEnd.Board, 21
pauseGame	setCoords
	301000103

BackEnd.Tile, 74	unkn	own
setDiff		BackEnd.Images, 52
BackEnd.Controller, 30		_
setFinished	Victo	ryPanel
		FrontEnd.VictoryPanel, 85
FrontEnd.Game, 45		rontend. Violory: andi, 00
FrontEnd.Timer, 82	147	
setFlagged	W	D 15 177 70
BackEnd.Tile, 74		BackEnd.Tile, 76
setGame	Wind	ow
BackEnd.Controller, 31		FrontEnd.Window, 86
setGameBar	х	
FrontEnd.MyMenuBar, 57		BackEnd.Tile, 76
setGameMenuBar		2001211011110, 70
BackEnd.Controller, 31		
setMenuBar		
BackEnd.Controller, 32		
setML		
BackEnd.Controller, 32		
setMMLBoard		
BackEnd.Controller, 32		
setOffset		
FrontEnd.MyMouseListener, 59		
setPanel		
BackEnd.Controller, 33		
FrontEnd.Window, 87		
setRevealed		
BackEnd.Tile, 75		
setRunning		
FrontEnd.Game, 46		
FrontEnd.Timer, 82		
setStarted		
FrontEnd.Game, 47		
SettingsPanel		
FrontEnd.SettingsPanel, 66		
setWindow		
BackEnd.Controller, 33		
setWindowSize		
BackEnd.Controller, 34		
start		
FrontEnd.Game, 47		
started		
FrontEnd.Game, 48		
submit		
FrontEnd.SettingsPanel, 66		
-		
success		
BackEnd.Images, 52		
tick		
tick		
FrontEnd.Timer, 83		
Tile		
BackEnd.Tile, 69		
Time		
BackEnd.Time, 77		
Timer		
FrontEnd.Timer, 80		
timerFont		
BackEnd.Images, 52		
toString		
FrontEnd.Timer, 83		