

Board.java

```

1 package game;
2
3 import game.fields.*;
11
12 public class Board {
13
14     private Properties fieldProperties;
15     private Field[] fields;
16     private final int DEFAULT_NUMBER_OF_FIELDS = 40;
17
18     public Board(int numberOfFields)
19     {
20         System.out.println(fieldProperties);
21         if (numberOfFields == DEFAULT_NUMBER_OF_FIELDS) {
22             setupDefaultBoard();
23         } else {
24             //Future possibility for loading board from propertiesfile
25             loadPropertiesFile();
26         }
27     }
28
29     public void setupDefaultBoard(){
30         fields = new Field[DEFAULT_NUMBER_OF_FIELDS];
31         fields[0] = new Refuge("Start", new String[] {"Receive", ":",
32             ", "4000"}, new String[]{"Receive", " 4000 ", "WhenPassingStart"});
33         fields[1] = new Street("Rødovrevej", 1200, Group.BLUE);
34         fields[2] = new Chance("Chance");
35         fields[3] = new Street("Hvidovrevej", 1200, Group.BLUE);
36         fields[4] = new Tax("Betal indkomstskat", 4000, 10);
37         fields[5] = new Shipping("Scandlines Helsingør-Helsingborg", 4000,
38             500);
39         fields[6] = new Street("Roskildevej", 2000, Group.PINK);
40         fields[7] = new Chance("Chance");
41         fields[8] = new Street("Valby Langgade", 2000, Group.PINK);
42         fields[9] = new Street("Allégade", 2400, Group.PINK);
43         fields[10] = new Jail("Jail", 1000, new String[] {"Jail"}, new
44             String[]{"VisitingJail"});
45         fields[11] = new Street("Frederiksberg Allé", 2800, Group.GREEN);
46         fields[12] = new Brewery("Tuborg Squash", 3000, 100);
47         fields[13] = new Street("Bülowsvej", 2800, Group.GREEN);
48         fields[14] = new Street("GL Kongevej", 3200, Group.GREEN);
49         fields[15] = new Shipping("Mols Linjen", 4000, 500);
50         fields[16] = new Street("Bernstorffsvej", 3600, Group.GREY);
51         fields[17] = new Chance("Chance");
52         fields[18] = new Street("Hellerupvej", 3600, Group.GREY);
53         fields[19] = new Street("Strandvejen", 4000, Group.GREY);
54         fields[20] = new Refuge("Parkering", new String[] {"Refuge"}, new
55             String[] {"TakeBreak"});
56         fields[21] = new Street("Trianglen", 4400, Group.RED);
57         fields[22] = new Chance("Chance");

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54     fields[23] = new Street("Østerbrogade", 4400, Group.RED);
55     fields[24] = new Street("Grønningen", 4800, Group.RED);
56     fields[25] = new Shipping("Scandlines Gedser-Rostock", 4000, 500);
57     fields[26] = new Street("Bredgade", 5200, Group.WHITE);
58     fields[27] = new Street("KgsNytorv", 5200, Group.WHITE);
59     fields[28] = new Brewery("Coca Cola", 3000, 100);
60     fields[29] = new Street("Østergade", 5600, Group.WHITE);
61     fields[30] = new GotoJail("GotoJail");
62     fields[31] = new Street("Amagertorv", 6000, Group.YELLOW);
63     fields[32] = new Street("Vimmelskaftet", 6000, Group.YELLOW);
64     fields[33] = new Chance("Chance");
65     fields[34] = new Street("Nygade", 6400, Group.YELLOW);
66     fields[35] = new Shipping("Scandlines Rødby-PuttGarden", 4000,
500);
67     fields[36] = new Chance("Chance");
68     fields[37] = new Street("Frederiksberggade", 7000, Group.PURPLE);
69     fields[38] = new Tax("Betal ekstraordinær statsskat", 2000);
70     fields[39] = new Street("Rådhuspladsen", 8000, Group.PURPLE);
71
72 }
73 private void loadPropertiesFile() {
74     fieldProperties = new Properties();
75     try {
76         InputStream inputStream = new FileInputStream("src\
\Field.properties");
77         fieldProperties.load(inputStream);
78         inputStream.close();
79     }
80     catch (FileNotFoundException e)
81     {
82         e.printStackTrace();
83     } catch (IOException e)
84     {
85         e.printStackTrace();
86     }
87 }
88
89 public Field[] getFields() {
90     return fields;
91 }
92 public Field getFieldByNumber(int fieldnumber) {
93     return fields[fieldnumber-1];
94 }
95 public static void main(String [] args){
96     Board board = new Board(40);
97     System.out.println(board.getFields()[1].toString());
98
99 }
100
101 }

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