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Palette (enum)

```
package game;
import java.awt.*;
public enum Palette {
   WHITE(Color.WHITE), BLACK(Color.BLACK), RED(255,51,51), GREEN(51,204,51), BLUE(51,153,255), YELLOW(255,255,102);
   Palette(int r, int g, int b) {
        this.color = new Color(r,g,b);
   }
   public Color getColor() {
        return color;
   }
   private final Color color;
   Palette(Color color) {
        this.color = color;
   }
}
```

Launcher

```
package game;
import game.model.MastermindEngine;
import game.view.MastermindFrame;

public class Launcher {
    public static void main(String[] args) {
        MastermindEngine engine = new MastermindEngine();
        engine.startNewGame();
        MastermindFrame frame = new MastermindFrame(engine);
        frame.showFrame();

}
```

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Engine

```
public static final int COLOR COUNTY = 4;
     field = new Palette[COLOR COUNTY];
    userschoice = new Palette[TRY_SIZE][COLOR_COUNTY];
for (int i = 0; i < COLOR_COUNTY; i++) {</pre>
private Palette getRandomColor() {
```

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```
Set<Palette> choices = new
if (choices.size() == COLOR COUNTY) {
```

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Frame

```
public MastermindFrame (MastermindEngine engine) {
private void createLabels() {
       labelpanel.add(createLabel());
private JLabel createLabel() {
```

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```
JLabel label = new JLabel("Szerepelt : 0 ** Eltalált : 0");
    JMenuBar menuBar = new JMenuBar();
JMenu menu = new JMenu("Options");
        public void actionPerformed(ActionEvent e) {
            updateFields();
private void updateLabels() {
        Component c = labelpanel.getComponent(i);
private void updateLabel(JLabel label,int i) {
private void addRestartMenuItem(JMenu menu) {
        public void actionPerformed(ActionEvent arg0) {
             engine.startNewGame();
            updateFields();
            updateLabels();
private void createFields() {
```

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```
for (int i = 0; i < TRY_SIZE; i++) {
        public void actionPerformed(ActionEvent e) {
public void updateFields() {
            Component c = gamepanel.getComponent(i * COLOR COUNTY + j);
            field.setBackground(engine.getBackgroundColor(i, j));
        if (answer == JOptionPane.YES OPTION) {
            engine.startNewGame();
            updateFields();
```