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Avatar generator in Java

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Gabriel Allaigre Update README.md ...

on 29 Mar 2017 ⌚ 19

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README.md

Avatar Generator

Generator of avatar



Dependency

In Central Maven :

```
<dependency>
  <groupId>com.talanlabs</groupId>
  <artifactId>avatar-generator</artifactId>
  <version>1.1.0</version>
</dependency>
```

Usage

Use `Avatar avatar = Avatar.newBuilder()...build()`

Configuration :

Method	Description
elementRegistry(ElementRegistry elementRegistry)	Registry elements & groups
size(int width, int height)	Size of final image
padding(int padding)	Add padding in pixel of elements
margin(int margin)	Add marge in pixel
layers(ILayer... layers)	Add layers to apply in elements
color(Color color)	Colorize all elements
colorizeFunction(IColorizeFunction colorizeFunction)	Colorize elements
cache(ICache cache)	Use cache

Create :

Use `avatar.create...`

Method	Description
BufferedImage create(long code)	Create Avatar as BufferedImage
byte[] createAsPngBytes(long code)	Create Avatar as Png byte array
void createAsPngToFile(long code, File file)	Create Avatar as Png to file

Predefined avatar

Triangle

Example 1 :

```
Avatar avatar = TriangleAvatar.newBuilder().build();  
  
avatar.create(123456L);
```

Sample Triangle1



Square

Source : <https://github.com/flouthoc/minBlock.js>

Example 1 :

```
Avatar avatar = SquareAvatar.newBuilder().build();  
  
avatar.create(123456L);
```

Sample Square1



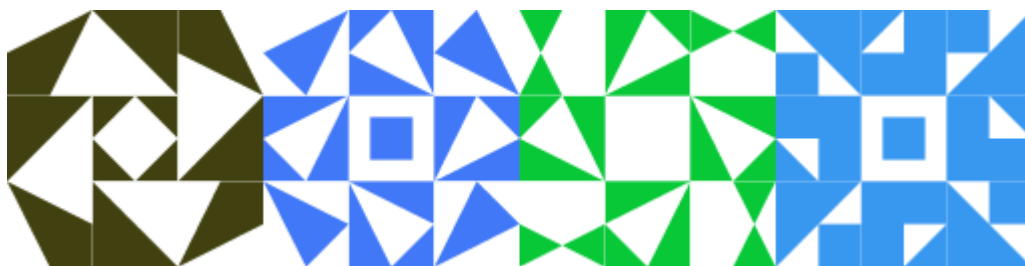
Identicon

Source : <https://github.com/donpark/identicon>

Example 1 :

```
Avatar avatar = IdenticonAvatar.newAvatarBuilder().build();  
avatar.create(123456L);
```

Sample Identicon1



GitHub

Example 1 :

```
Avatar avatar = GitHubAvatar.newAvatarBuilder().layers(new ColorPaintBackgroundLayer(Color.WHITE)).build();  
avatar.create(123456L);
```

Sample GitHub1



Example 2 :

```
Avatar avatar = GitHubAvatar.newAvatarBuilder().build();  
  
avatar.create(123456L);
```

Sample GitHub2



Cat

```
<dependency>  
  <groupId>com.talanlabs</groupId>  
  <artifactId>avatar-generator-cat</artifactId>  
  <version>1.1.0</version>  
</dependency>
```

Images sources : CC-BY 4.0 attribution: David Revoy <https://framagit.org/Deevad/cat-avatar-generator>

Example 1 :

```
Avatar avatar = CatAvatar.newAvatarBuilder().build();  
avatar.create(123456L);
```

Sample Cat1



Example 2 :

```
Avatar avatar = CatAvatar.newAvatarBuilder()  
    .layers(new ShadowLayer(), new RandomColorPaintBackgroundLayer(), new RoundRectMaskLayer())  
    .padding(8).margin(8).build();  
avatar.create(123456L);
```

Sample Cat2



Smiley

```
<dependency>  
  <groupId>com.talanlabs</groupId>  
  <artifactId>avatar-generator-smiley</artifactId>  
  <version>1.1.0</version>  
</dependency>
```

Example 1 :

```
Avatar avatar = SmileyAvatar.newAccessoriesAvatarBuilder().build();  
  
avatar.create(123456L);
```

Sample Smiley1



Example 2 :

```
Avatar avatar = SmileyAvatar.newEyeMouthAvatarBuilder().build();  
  
avatar.create(123456L);
```

Sample Smiley2



Example 3 :

```
Avatar avatar = SmileyAvatar.newGhostAvatarBuilder().build();  
avatar.create(123456L);
```

Sample Smiley3



Example 4 :

```
Avatar avatar = SmileyAvatar.newDefaultAvatarBuilder().build();  
avatar.create(123456L);
```

Sample Smiley4



8 bit

```
<dependency>  
  <groupId>com.talanlabs</groupId>  
  <artifactId>avatar-generator-8bit</artifactId>  
  <version>1.1.0</version>  
</dependency>
```

Images sources : <https://github.com/o1egl/govatar>

Example 1 :

```
Avatar avatar = EightBitAvatar.newMaleAvatarBuilder().build();  
  
avatar.create(123456L);
```

Sample 8bit1



Example 2 :

```
Avatar avatar = EightBitAvatar.newFemaleAvatarBuilder().build();  
  
avatar.create(123456L);
```

Sample 8bit2



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