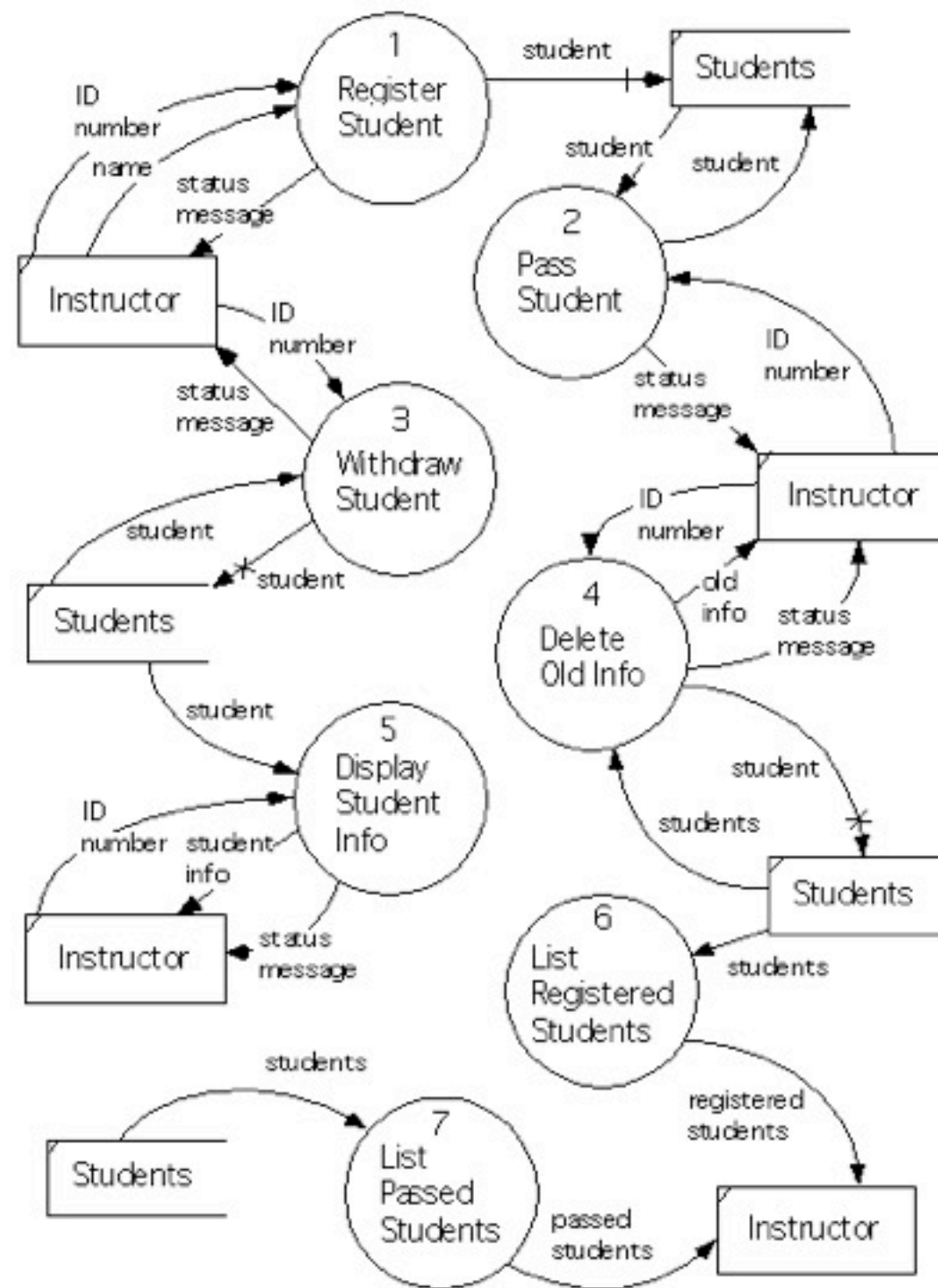


Introdução à programação procedimental com objetos



Comece com um DFD



Use objetos sem comportamentos

```
8  class EmtyPerson {
9      private String name, lastName, nickname;
10     private int age;
11     public String getName() {
12         return name;
13     }
14     public void setName(String name) {
15         this.name = name;
16     }
17     public String getLastName() {
18         return lastName;
19     }
20     public void setLastName(String lastName) {
21         this.lastName = lastName;
22     }
23     public String getNickname() {
24         return nickname;
25     }
26     public void setNickname(String nickname) {
27         this.nickname = nickname;
28     }
29     public int getAge() {
30         return age;
31     }
32     public void setAge(int age) {
33         this.age = age;
34     }
35 }
```

Exponha seus objetos

```
8 public static void main(String[] args) {  
9     new Group().getPersonList().get(0).getAddressList().get(0).getCep()  
10         .toString();  
11 }  
12
```


Use Herança (SEMPRE)

```
7 class A {  
8     public void main() {  
9         doSystemMostImportantTask();  
10    }  
11  
12    private void doSystemMostImportantTask() {  
13        // very important thing  
14    }  
15 }  
16  
17 class B extends A {  
18     @Override  
19     public void main() {  
20         System.out.println( "whatever" );  
21     }  
22 }
```

Programa Orientado à Implementação

```
2
3 public class Anakin {
4
5     public void newFriend(Jedi friend) {
6         // new friend
7     }
8
9     public void turnToTheDarkSide() {
10         newFriend(new Sith("The Emperor"));
11     }
12
13 }
14
15 interface ForceCapabilities {
16 }
17
18 class Jedi implements ForceCapabilities {
19 }
20
21 class Sith implements ForceCapabilities {
22     public Sith(String name) {
23
24     }
25
26 }
27
```


Use variáveis globais

```
2
3 class TimeGrandeDeSaoPauloSemLibertadores {
4
5     private static TimeGrandeDeSaoPauloSemLibertadores instance;
6
7     public static synchronized TimeGrandeDeSaoPauloSemLibertadores getInstance() {
8         if (instance == null) {
9             instance = new TimeGrandeDeSaoPauloSemLibertadores("Corinthians");
10        }
11        return instance;
12    }
13
14    String name;
15
16    public TimeGrandeDeSaoPauloSemLibertadores(String name) {
17        this.name = name;
18    }
19
20    public static void main(String[] args) {
21        TimeGrandeDeSaoPauloSemLibertadores.getInstance();
22    }
23 }
24
25
```