

Raport

Metody i narzędzia wytwarzania oprogramowania

Temat: Język Groovy i platforma Grails

Opracował:
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Prowadzący:
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1. Odnosnik do strony:

<https://heroku-postgres-121f51e3.herokuapp.com/>

2. Odnosnik do paczki z projektem:

<https://github.com/winmor/GrailsMinwo/archive/master.zip>

3. Klasy domenowe:

- Klasa department

```
package shopmanagment
```

```
class Department {  
  
    static mapping = {  
        table 'department'  
        version false  
        columns{  
            id column: 'department_id'  
            departmentName column: 'name'  
            product column: 'product_id'  
        }  
    }  
    String departmentName  
    static hasMany = [product:Product]  
  
    static constraints = {  
        departmentName blank: false, nullable: false  
    }  
}
```

- Klasa produkt

```
package shopmanagment
```

```
class Product {  
  
    String productName  
    Long id  
    boolean byWeight  
    double quantity  
    double price  
    static hasOne= [department: Department]  
  
    static mapping = {  
        table 'product'  
        version false  
        id column: 'product_id', generator: 'native',  
params:[sequence:'product_id_seq']  
        productName column: 'name'  
        department column: 'department_id', updatable: false  
        quantity column: 'quantity'  
        price column: 'price'  
        byWeight column: 'by_weight'  
    }  
    static constraints = {
```

```

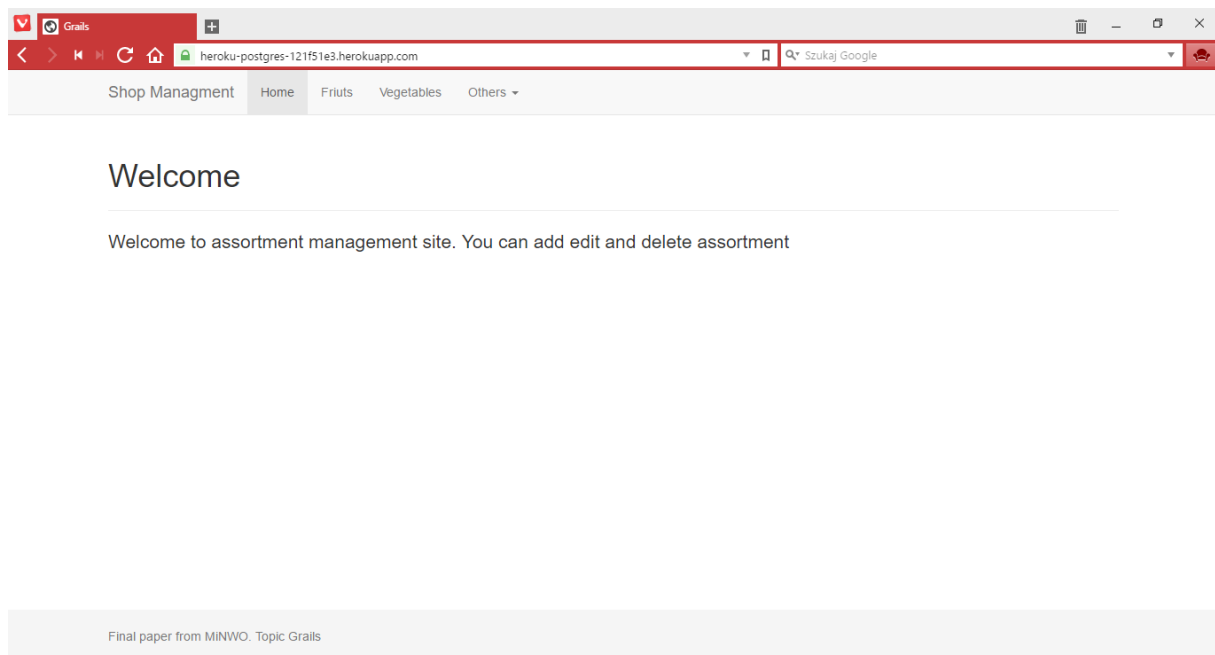
        productName blank: false, nullable: false
        quantity blank: false, nullable: false, validator: {
            value, object -> if(object.byWeight==false){
                if(value%1!=0)
                {
                    return false;
                }
            }
        }
        price blank: false, nullable: false, scale: 2
        byWeight blank: false, nullable: false
    }
    public long getNumberOfProduct() {
        Product.countByDepartment(this)
    }
}

```

4. Wygląd strony

- Strona główna:

<https://heroku-postgres-121f51e3.herokuapp.com>



- Przeglądanie zawartości działu:

<https://heroku-postgres-121f51e3.herokuapp.com/managment/department?departmentName=Fruits>

#	Product Name	Quantity	By weight	Price		
1	Kiwi	12	false	6,00	Edit	Remove
2	Orange	23,00	true	5,00	Edit	Remove
3	Pear	16,00	true	3,50	Edit	Remove
4	Apple	135,00	true	2,21	Edit	Remove
5	Grapefruit	56	false	4,20	Edit	Remove

« 1 2 3 »

Add new

Final paper from MINWO. Topic Grails

- Edycja istniejącego produktu:

<https://heroku-postgres-121f51e3.herokuapp.com/managment/editProduct?productId=28>

Fruits

Product Name:

By weight: ☐ Quantity:

Price:

save

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- Dodawanie nowego produktu:

<https://heroku-postgres-121f51e3.herokuapp.com/managment/createProduct?departmentId=5>



Fruits

Product Name:

By weight: ☐ Quantity:

Price: