

1)Klasa Item

```
package pl.edu.agh.dronka.shop.model;

import pl.edu.agh.dronka.shop.model.items.MainItem;

public class Item {

    private String name;

    private MainItem mainItem;

    private int price;

    private int quantity;

    private boolean secondhand;

    private boolean polish;

    public Item(String name, MainItem mainItem, int price, int quantity) {
        this.name = name;
        this.mainItem = mainItem;
        this.price = price;
        this.quantity = quantity;
    }

    public Item() {
    }
}
```

1) Klasa Food

```
package pl.edu.agh.dronka.shop.model.ItemTypes;

import pl.edu.agh.dronka.shop.model.Category;

import java.util.Date;

public class Food extends Item {

    private Date date;

    public Food(String name, Category category, int price, int quantity, Date date) {
        super(name, category, price, quantity);
        this.date=date;
    }

    public Food(){}

    public Date date() {
    }
}
```

```

        return date;
    }

    public void setDate(Date date) {
        this.date = date;
    }
}
package pl.edu.agh.dronka.shop.model.ItemTypes;

import pl.edu.agh.dronka.shop.model.Category;
import pl.edu.agh.dronka.shop.model.ItemTypes.utils.Genre;

```

2) Klasa Books

```

package pl.edu.agh.dronka.shop.model.ItemTypes;

import pl.edu.agh.dronka.shop.model.Category;

public class Books extends Item {
    private int pages;
    private boolean isHardcover;

    public Books(String name, Category category, int price, int quantity, int pages, boolean
isHardcover){
        super(name, category, price, quantity);
        this.pages=pages;
        this.isHardcover=isHardcover;
    }
    public Books(){
    }

    public int getPages() {
        return pages;
    }

    public void setPages(int pages) {
        this.pages = pages;
    }

    public boolean isHardcover() {
        return isHardcover;
    }

    public void setHardcover(boolean hardcover) {
        isHardcover = hardcover;
    }
}

```

3) Klasa Music

```

public class Music extends Item {

    private Genre genre;
    private boolean hasVideo;

    public Music(String name, Category category, int price, int quantity, String genre,
boolean hasVideo) {
        super(name, category, price, quantity);
        this.genre = Genre.parser(genre);
        this.hasVideo = hasVideo;
    }

    public Music(){}

    public Genre getGenre() {
        return genre;
    }

    public void setGenre(Genre genre) {
        this.genre = genre;
    }

    public boolean isHasVideo() {
        return hasVideo;
    }

    public void setHasVideo(boolean hasVideo) {
        this.hasVideo = hasVideo;
    }
}

```

```

package pl.edu.agh.dronka.shop.model.ItemTypes.utils;

public enum Genre {
    ROCK("ROCK"), JAZZ("JAZZ"), DUBSTEP("DUBSTEP"), TECHNO("TECHNO"), BLUES("BLUES"), COUNTRY("COUNTRY"),
    POP("POP");

    private String displayName;

    Genre(String genreName) {
        this.displayName = genreName;
    }

    public static Genre parser(String genreName){
        switch(genreName.toUpperCase()){
            case "ROCK":
                return Genre.ROCK;
            case "JAZZ":
                return Genre.JAZZ;
            case "TECHNO":
                return Genre.TECHNO;
            case "BLUES":
                return Genre.BLUES;
            case "COUNTRY":
                return Genre.COUNTRY;
            case "POP":
                return Genre.POP;
            default:
                throw new IllegalArgumentException("No such genre: "+ genreName.toUpperCase());
        }
    }
}

```

```

    }
}

public String getDisplayName() {
    return displayName;
}
}

```

4)Klasa Electronics

```

private static List<Item> readItems(CSVReader reader, Category category) {
    List<Item> items = new ArrayList<>();

    try {
        reader.parse();
        List<String[]> data = reader.getData();

        for (String[] dataLine : data) {
package pl.edu.agh.dronka.shop.model.ItemTypes;

import pl.edu.agh.dronka.shop.model.Category;

public class Electronics extends Item {
    private boolean isMobile;
    private boolean hasGuarantee;

    public Electronics(String name, Category category, int price, int quantity, boolean isMobile, boolean
hasGuarantee) {
        super(name, category, price, quantity);
        this.isMobile = isMobile;
        this.hasGuarantee = hasGuarantee;
    }

    public Electronics(){}

    public boolean isHasGuarantee() {
        return hasGuarantee;
    }

    public void setHasGuarantee(boolean hasGuarantee) {
        this.hasGuarantee = hasGuarantee;
    }

    public boolean isMobile() {
        return isMobile;
    }

    public void setMobile(boolean mobile) {
        isMobile = mobile;
    }

}

```

5) Klasa Sport

```

package pl.edu.agh.dronka.shop.model.ItemTypes;

import pl.edu.agh.dronka.shop.model.Category;

public class Sport extends Item {

    public Sport(String name, Category category, int price, int quantity) {
        super(name, category, price, quantity);
    }
    public Sport(){}
}

```

6) Klasa PropertiesHelper

```

        String name = reader.getValue(dataLine, "Nazwa");
        int price = Integer.parseInt(reader.getValue(dataLine, "Cena"));
        int quantity = Integer.parseInt(reader.getValue(dataLine,
            "Ilość"));

        boolean isPolish = Boolean.parseBoolean(reader.getValue(
            dataLine, "Tanie bo polskie"));
        boolean isSecondhand = Boolean.parseBoolean(reader.getValue(
            dataLine, "Używany"));

        Item item;
        switch (category) {
            case BOOKS:
                item = new Books(name, category, price, quantity, (int)
                    Integer.parseInt(reader.getValue(dataLine, "Liczba stron")),

package pl.edu.agh.dronka.shop.model.util;

import java.util.LinkedHashMap;
import java.util.Map;

import pl.edu.agh.dronka.shop.model.ItemTypes.*;

public class PropertiesHelper {

    public static Map<String, Object> getPropertiesMap(Item item) {
        Map<String, Object> propertiesMap = new LinkedHashMap<>();

        propertiesMap.put("Nazwa", item.getName());
        propertiesMap.put("Cena", item.getPrice());
        propertiesMap.put("Kategoria", item.getCategory().getDisplayName());
        propertiesMap.put("Ilość", Integer.toString(item.getQuantity()));
        propertiesMap.put("Tanie bo polskie", item.isPolish());
        propertiesMap.put("Używany", item.isSecondhand());

        if (item instanceof Books) {
            propertiesMap.put("Liczba stron", ((Books)item).getPages());
            propertiesMap.put("Twarda oprawa", ((Books)item).isHardcover());
        } else if (item instanceof Electronics){

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        propertiesMap.put("Mobilny", ((Electronics) item).isMobile());
        propertiesMap.put("Gwarancja",
((Electronics)item).isHasGuarantee());
    } else if (item instanceof Food){
        propertiesMap.put("Data przydatności", ((Food)
item).getExpirationDate());
    } else if (item instanceof Music){
        propertiesMap.put("Gatunek muzyczny", ((Music) item).getGenre());
        propertiesMap.put("Załączone wideo", ((Music) item).isHasVideo());
    }

    return propertiesMap;
}
}

```

```

        Boolean.parseBoolean(reader.getValue(dataLine, "Twarda oprawa")));
        break;
    case ELECTRONICS:
        item = new Electronics(name, category, price, quantity,
            Boolean.parseBoolean(reader.getValue(dataLine, "Mobilny")),
            Boolean.parseBoolean(reader.getValue(dataLine, "Gwarancja")));
        break;
    case FOOD:
        String dateString = reader.getValue(dataLine, "Data przydatności");
        SimpleDateFormat formatter = new SimpleDateFormat("yyyy-MM-dd");
        Date date = formatter.parse(dateString);
        item = new Food(name, category, price, quantity, date);
        break;
    case MUSIC:
        item = new Music(name, category, price,
quantity,
        reader.getValue(dataLine, "Gatunek muzyczny"),
        Boolean.parseBoolean(reader.getValue(dataLine, "Załączone wideo")));
        break;
    case SPORT:
        item = new Sport(name, category, price,
quantity);
        break;
    default:
        throw new
IllegalArgumentException("Error parsing data from csv");
}

        item.setPolish(isPolish);
        item.setSecondhand(isSecondhand);

        items.add(item);
    }
} catch (IOException | ParseException e) {
    e.printStackTrace();
}

```

```
        return items;
    }
```

7) Klasa PropertiesPanel

```
package pl.edu.agh.dronka.shop.view;

import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.text.SimpleDateFormat;
import java.util.Date;

import javax.swing.BoxLayout;
import javax.swing.JCheckBox;
import javax.swing.JPanel;

import pl.edu.agh.dronka.shop.controller.ShopController;

import pl.edu.agh.dronka.shop.model.ItemTypes.*;
import pl.edu.agh.dronka.shop.model.filter.ItemFilter;

public class PropertiesPanel extends JPanel {

    private static final long serialVersionUID = -2804446079853846996L;
    private ShopController shopController;

    private ItemFilter filter ;

    public PropertiesPanel(ShopController shopController) {
        this.shopController = shopController;
        setLayout(new BoxLayout(this, BoxLayout.PAGE_AXIS));
    }

    public void fillProperties() {
        removeAll();
        this.filter = new ItemFilter( shopController.getCurrentCategory());

        filter.getItemSpec().setCategory(shopController.getCurrentCategory());
        add(createPropertyCheckbox("Tanie bo polskie", new ActionListener() {

            @Override
            public void actionPerformed(ActionEvent event) {
                filter.getItemSpec().setPolish(
                    ((JCheckBox) event.getSource()).isSelected());
                shopController.filterItems(filter);
            }
        }));

        add(createPropertyCheckbox("Używamy", new ActionListener() {

            @Override
            public void actionPerformed(ActionEvent event) {
                filter.getItemSpec().setSecondhand(
                    ((JCheckBox) event.getSource()).isSelected());
            }
        }));
    }
}
```

```

        shopController.filterItems(filter);
    }
    }));

    switch (filter.getItemSpec().getCategory()) {
        case BOOKS:
            add(createPropertyCheckbox("Twarda oprawa", new ActionListener() {

                @Override
                public void actionPerformed(ActionEvent event) {
                    if (!(filter.getItemSpec() instanceof Books)) return;
                    ((Books) filter.getItemSpec()).setHard(
                        ((JCheckBox) event.getSource()).isSelected());
                    shopController.filterItems(filter);
                }
            }));
            break;
        case ELECTRONICS:
            add(createPropertyCheckbox("Mobilny", new ActionListener() {

                @Override
                public void actionPerformed(ActionEvent event) {
                    if (!(filter.getItemSpec() instanceof Electronics)) return;
                    ((Electronics) filter.getItemSpec()).setMobile(
                        ((JCheckBox) event.getSource()).isSelected());
                    shopController.filterItems(filter);
                }
            }));

            add(createPropertyCheckbox("Gwarancja", new ActionListener() {

                @Override
                public void actionPerformed(ActionEvent event) {
                    if (!(filter.getItemSpec() instanceof Electronics)) return;
                    ((Electronics) filter.getItemSpec()).setHasGuarantee(
                        ((JCheckBox) event.getSource()).isSelected());
                    shopController.filterItems(filter);
                }
            }));
            break;
        case MUSIC:
            add(createPropertyCheckbox("Czy ma wideo", new ActionListener() {

                @Override
                public void actionPerformed(ActionEvent event) {
                    if (!(filter.getItemSpec() instanceof Music)) return;
                    ((Music) filter.getItemSpec()).setHasVideo(
                        ((JCheckBox) event.getSource()).isSelected());
                    shopController.filterItems(filter);
                }
            }));
            break;
    }

}

private JCheckBox createPropertyCheckbox(String propertyName,
                                         ActionListener actionListener) {

    JCheckBox checkBox = new JCheckBox(propertyName);
    checkBox.setSelected(false);

```



```

                                item = new Sport(name, category, price,
quantity);
                                break;
                                default:
                                throw new
IllegalArgumentException("Error parsing data from csv");
                                }

                                item.setPolish(isPolish);
                                item.setSecondhand(isSecondhand);

                                items.add(item);

                                }
} catch (IOException | ParseException e) {
    e.printStackTrace();
}

return items;
}

```

Dronka Shop



- ☒ Tanie bo polskie Cley Myrus - Big Ball of Mud
- ☐ Używany
- ☒ Czy ma wideo

Koszyk

Powrót

Dronka Shop



- ☐ Tanie bo polskie Legendarny Bulbulator
- ☐ Używany
- ☒ Mobilny
- ☐ Gwarancja

Koszyk

Powrót



Koszyk

- ☒ Tanie bo polskie
- ☐ Używany
- ☒ Twarda oprawa

Nowe Przygody Gangu Czwojga

When The Smoke is Going Down : Wprowadzenie do testów wydajnościowych

Powrót



Koszyk

Nazwa: Narty błotne (Hit sezonu!!!)

Cena: 1500

Kategoria: Sport


Ilość: 14

Tanie bo polskie: false

Używany: true

Powrót

Dodaj do koszyka

 Dronka Shop



Nazwa: Zupa Studencka Instant

Cena: 2

Kategoria: Żywność

Ilość: 100

Tanie bo polskie: true

Używany: false

Data przydatności: Sun May 10 00:00:00 CEST 2020

[Koszyk](#)

[Powrót](#)

[Dodaj do koszyka](#)

 Dronka Shop



Nazwa: Ciley Myrus - Big Ball of Mud

Cena: 60

Kategoria: Muzyka

Ilość: 20

Tanie bo polskie: true

Używany: false

Gatunek muzyczny: POP

Czy ma wideo: true

[Koszyk](#)

[Powrót](#)

[Dodaj do koszyka](#)

