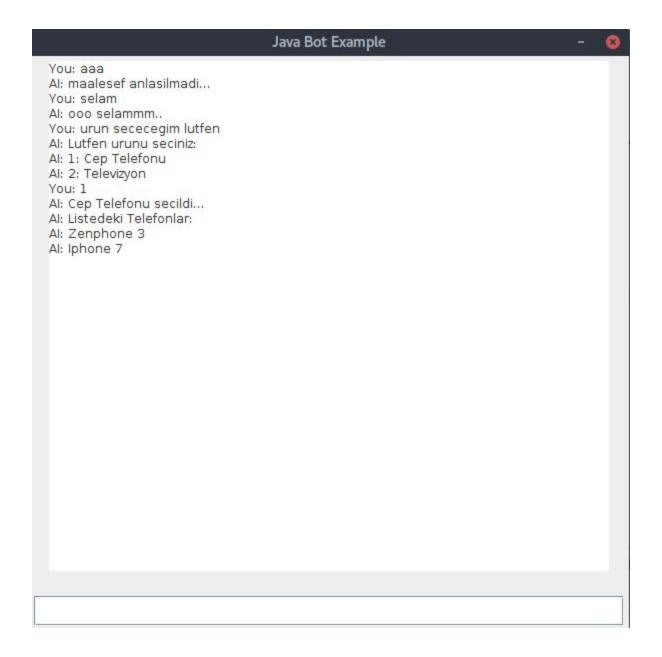http://www.dailymail.co.uk/sciencetech/article-4747914/Facebook-shuts-chatbots-make-language.html

http://dahi.ai/examples/e-commerce

Github Proje Kodu: https://github.com/einan/chabot/tree/master/chabot

```
Java Bot Example                                    –    ✕

You: aaa
AI: maalesef anlasilmadi...
You: selam
AI: ooo selammm..
You: urun sececegim lutfen
AI: Lutfen urunu seciniz:
AI: 1: Cep Telefonu
AI: 2: Televizyon
You: 1
AI: Cep Telefonu secildi...
AI: Listedeki Telefonlar:
AI: Zenphone 3
AI: Iphone 7
```

JFRAME Baslangic:

```java
package main;

import javax.swing.JFrame;
import javax.swing.JTextArea;
import javax.swing.JTextField;

public class BotHandler extends JFrame {
        private JTextField txtEnter = new JTextField();
        private JTextArea txtChat = new JTextArea();

        public BotHandler() {
                this.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
                this.setSize(600, 600);
                this.setVisible(true);
                this.setResizable(false);
                this.setLayout(null);
                this.setTitle("Java Bot Example");

                txtEnter.setLocation(5, 540);
                txtEnter.setSize(590, 30);
                txtEnter.requestFocusInWindow();

                txtChat.setLocation(20, 5);
                txtChat.setSize(560, 510);
                txtChat.setEditable(false);

                // elemanlari JFrame'e ekle
                this.add(txtEnter);
                this.add(txtChat);
        }

        public static void main(String[] args) {
                new BotHandler();
        }

}
```

Greeting Chatbot:

```java
public class BotHandler extends JFrame {
        private JTextField txtEnter = new JTextField();
        private JTextArea txtChat = new JTextArea();

        public BotHandler() {
ArrayList<String> exceptionMessageList = new
ArrayList<String>(Arrays.asList("maalesef anlasilmadi...", "lutfen tekrarlar misin",
"???"));

ArrayList<String> greetingMessageList = new ArrayList<String>(Arrays.asList("ooo
selammm..", "merhabalar", "mrb"));

...
                // elemanlari JFrame'e ekle
                this.add(txtEnter);
                this.add(txtChat);

                // etkilesim
                txtEnter.addActionListener(new ActionListener() {
                        @Override
                        public void actionPerformed(ActionEvent e) {
                                String uText = txtEnter.getText();
                                txtChat.append("You: " + uText + "\n");
                                txtEnter.setText("");

                                if (uText.contains("selam")) {
                                        // txtChat.append("AI:" + "ooo selamlar" + "\n");
                                        decideRandom(greetingMessageList);

                                } else {
                                        decideRandom(exceptionMessageList);
                                }
                        }
                });
        }

        private void decideRandom(ArrayList<String> messageList) {
                int decider = (int) (Math.random() * messageList.size());
```

```java
            txtChat.append("AI: " + messageList.get(decider) + "\n");
    }

package main;

public class Product {
        private String pBrand;
        private String pModel;

        public Product() {

        }

        public Product(String pBrand, String pModel) {
                super();
                this.pBrand = pBrand;
                this.pModel = pModel;
        }

        public String getpBrand() {
                return pBrand;
        }

        public void setpBrand(String pBrand) {
                this.pBrand = pBrand;
        }

        public String getpModel() {
                return pModel;
        }

        public void setpModel(String pModel) {
                this.pModel = pModel;
        }

        @Override
        public String toString() {
                return "Product [pBrand=" + pBrand + ", pModel=" + pModel + "]";
        }

}
```

```java
package main;

public class CellPhone extends Product {
        private int cameraSize;
        private String colorStr;

        public CellPhone(String brand, String model, int cameraSize, String colorStr) {
                super(brand, model);
                this.cameraSize = cameraSize;
                this.setColorStr(colorStr);
        }

        public int getCameraSize() {
                return cameraSize;
        }

        public void setCameraSize(int cameraSize) {
                this.cameraSize = cameraSize;
        }

        public String getColorStr() {
                return colorStr;
        }

        public void setColorStr(String colorStr) {
                this.colorStr = colorStr;
        }

        @Override
        public String toString() {
                return super.toString() + " --CellPhone [cameraSize=" + cameraSize + ", color="
+ getColorStr() + "]";
        }
}
```

Urun olusturma ve secenege bagli listeleme

```java
package main;

import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.util.ArrayList;
import java.util.Arrays;

import javax.swing.JFrame;
import javax.swing.JTextArea;
import javax.swing.JTextField;

public class BotHandler extends JFrame {
        private JTextField txtEnter = new JTextField();
        private JTextArea txtChat = new JTextArea();

        public BotHandler() {
                ArrayList<String> exceptionMessageList = new ArrayList<String>(
                                Arrays.asList("maalesef anlasilmadi...", "lutfen tekrarlar misin",
"???"));

                ArrayList<String> greetingMessageList = new ArrayList<String>(
                                Arrays.asList("ooo selammm..", "merhabalar", "mrb"));

                // urun olusturma
                CellPhone cellPhone = new CellPhone("Asus", "Zenphone 3", 16, "Black");
                ArrayList<CellPhone> cellPhoneList = new ArrayList<CellPhone>();
                cellPhoneList.add(cellPhone);
                cellPhoneList.add(new CellPhone("Apple", "Iphone 7", 64, "Gold"));
                System.out.println("CellPhone:" + cellPhoneList.get(0));

                this.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
                this.setSize(600, 600);
                this.setVisible(true);
                this.setResizable(false);
                this.setLayout(null);
                this.setTitle("Java Bot Example");

                txtEnter.setLocation(5, 540);
```

```java
txtEnter.setSize(590, 30);
txtEnter.requestFocusInWindow();

txtChat.setLocation(20, 5);
txtChat.setSize(560, 510);
txtChat.setEditable(false);

// elemanlari JFrame'e ekle
this.add(txtEnter);
this.add(txtChat);

// etkilesim
txtEnter.addActionListener(new ActionListener() {
        @Override
        public void actionPerformed(ActionEvent e) {
                String uText = txtEnter.getText();
                txtChat.append("You: " + uText + "\n");
                txtEnter.setText("");

                if (uText.contains("selam")) {
                        // txtChat.append("AI:" + "ooo selamlar" + "\n");
                        decideRandom(greetingMessageList);

                } else if (uText.contains("urun sececegim")) {
                        // urun secimi
                        txtChat.append("AI: " + "Lutfen urunu seciniz:" + "\n");
                        txtChat.append("AI: " + "1: Cep Telefonu" + "\n");
                        txtChat.append("AI: " + "2: Televizyon" + "\n");

                } else if (uText.equals("1")) {
                txtChat.append("AI: " + "Cep Telefonu secildi..." + "\n");
                txtChat.append("AI: " + "Listedeki Telefonlar:" + "\n");
                for (CellPhone cellP : cellPhoneList) {
                        txtChat.append("AI: " + cellP.getpModel() + "\n");
                        }

                } else if (uText.equals("2")) {
                        txtChat.append("AI: " + "Televizyon secildi..." + "\n");

                } else {
                        decideRandom(exceptionMessageList);
                }
        }
```

```java
        });
    }

    private void decideRandom(ArrayList<String> messageList) {
        int decider = (int) (Math.random() * messageList.size());
        txtChat.append("AI: " + messageList.get(decider) + "\n");
    }

    public static void main(String[] args) {
        new BotHandler();
    }

}
```