

Datoteke

U nastavku se nalaze datoteke i materijali potrebni za izradu ovog projekta kod kuće:

Model

Svi dijelovi modela i sastav se može naći u OnShapu pod poveznicom:

<https://cad.onshape.com/documents/2919bfa70158ccce97d3ba9f/w/5a89db483a34585b400f1a81/e/306a2ee45e36c005ddb3a487?renderMode=0&uiState=684dabab141ebf6990e93493>

Kod

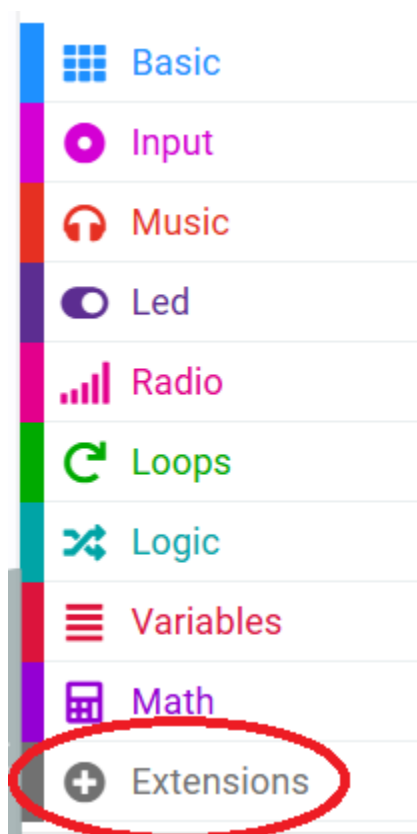
Kod za Kontrolera:

```
input.onPinPressed(TouchPin.P0, function () {
  radio.sendString("forward")
})
input.onLogoEvent(TouchButtonEvent.LongPressed, function () {
  radio.sendString("backward")
})
input.onPinPressed(TouchPin.P2, function () {
  radio.sendString("left")
})
input.onPinPressed(TouchPin.P1, function () {
  radio.sendString("right")
})
input.onLogoEvent(TouchButtonEvent.Pressed, function () {
  radio.sendString("stop")
})
radio.setGroup(79)
basic.forever(function () {
  if (input.buttonIsPressed(Button.A)) {
    radio.sendString("liftup")
  } else if (input.buttonIsPressed(Button.B)) {
    radio.sendString("liftdown")
  }
})
```

Kod za Viljuškara:

```
radio.onReceivedString(function (receivedString) {
  if (receivedString == "forward") {
    maqueenPlusV2.controlMotor(maqueenPlusV2.MyEnumMotor.AllMotor,
    maqueenPlusV2.MyEnumDir.Forward, 100)
  }
  if (receivedString == "backward") {
    maqueenPlusV2.controlMotor(maqueenPlusV2.MyEnumMotor.AllMotor,
    maqueenPlusV2.MyEnumDir.Backward, 100)
  }
  if (receivedString == "left") {
    maqueenPlusV2.controlMotor(maqueenPlusV2.MyEnumMotor.RightMotor,
    maqueenPlusV2.MyEnumDir.Backward, 100)
    maqueenPlusV2.controlMotorStop(maqueenPlusV2.MyEnumMotor.LeftMotor)
  }
  if (receivedString == "right") {
    maqueenPlusV2.controlMotor(maqueenPlusV2.MyEnumMotor.LeftMotor,
    maqueenPlusV2.MyEnumDir.Backward, 100)
    maqueenPlusV2.controlMotorStop(maqueenPlusV2.MyEnumMotor.RightMotor)
  }
  if (receivedString == "stop") {
    maqueenPlusV2.controlMotorStop(maqueenPlusV2.MyEnumMotor.AllMotor)
  }
  if (receivedString == "liftup") {
    if (lift < 170) {
      lift += 10
      servos.P0.setAngle(lift)
    }
  }
  if (receivedString == "liftdown") {
    if (lift > 15) {
      lift += -10
      servos.P0.setAngle(lift)
    }
  }
})
let lift = 0
lift = 90
servos.P0.setAngle(lift)
let offset = 1
radio.setGroup(79)
```

Za kod Viljuškara se treba imati ekstenzije Servo i DFRobot_MaqueenPlus_v20,

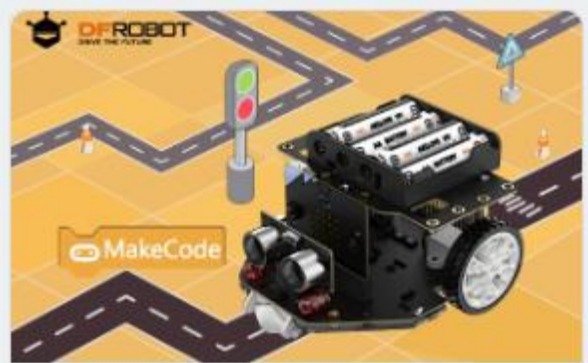




servo

A micro-servo library

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DFRobot_MaqueenPlus_v20

This is the latest version of Maqueen Plus, a programming robot for STEAM education.

[Learn More](#)

Gotovi Rad

Na kraju, ovako izgleda Viljuškar:

