

Mini-Project

Computer Aided Design & Digital Fabrication
Skills Future Training

19 – 25 Sep 2023

Mini-Project Brief

- Design an automated Tea-Maker which will allow you to make the perfect cup of tea
- Your Tea-Maker should include the following:
 - CAD design
 - Laser Cut part(s)
 - 3D printed part(s)
 - Embedded controller board
 - Input & output device(s)
- The Tea-Maker should be properly integrated, with no loose wiring and electronic parts should be mounted firmly





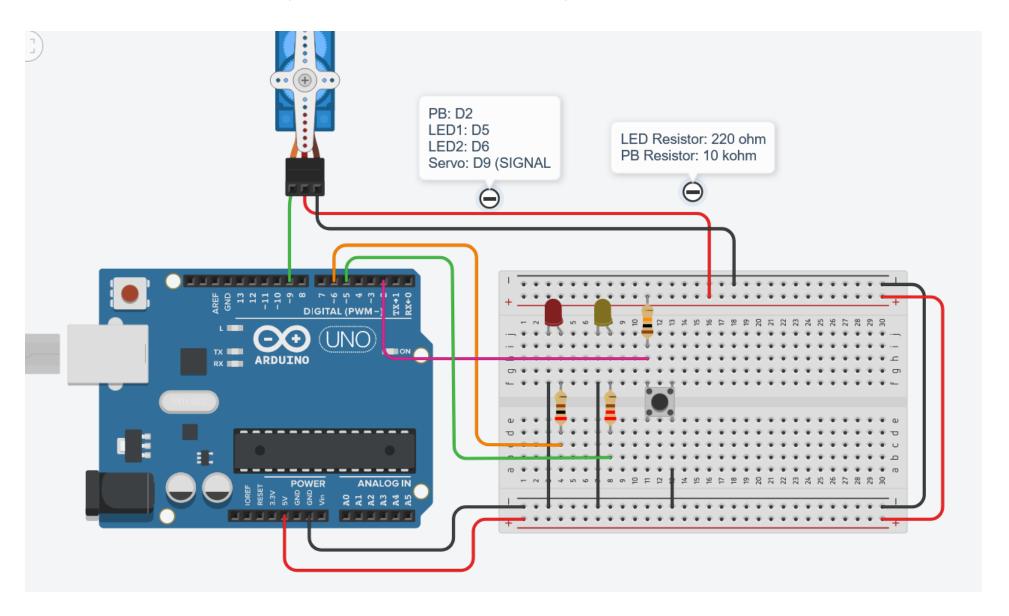


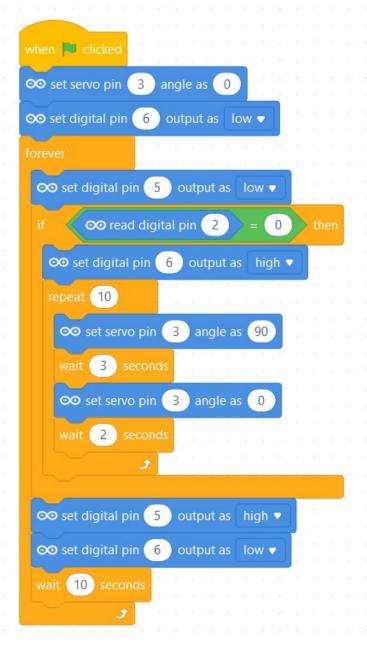
Parts Available

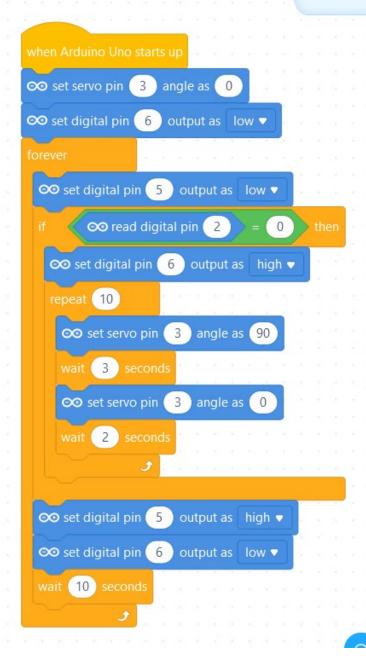
- You are provided with the following parts/components for your mini-project:
 - Arduino Uno R3
 - Servo motor
 - Push button switch
 - LEDs x2
 - Dupont cables
- This is a 4-hour project, not your life-time work, so plan accordingly



Electronics (Connections)







mBlock Code

LIVE mode

UPLOAD mode