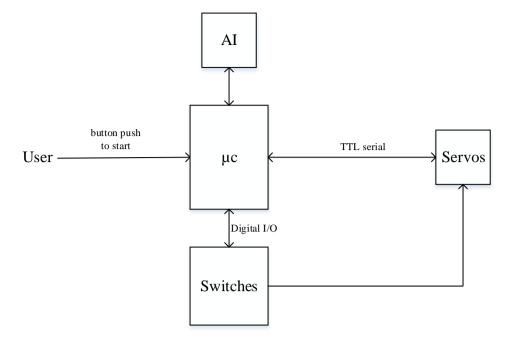
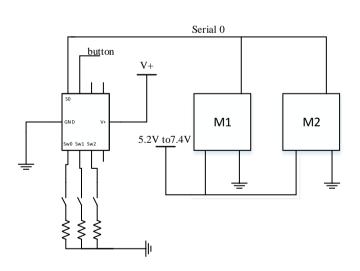
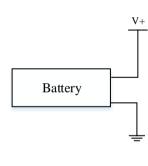
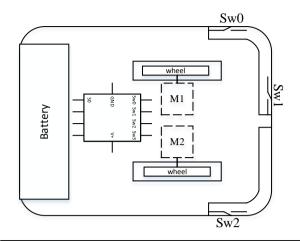
Design of Demo 1 Interface Design

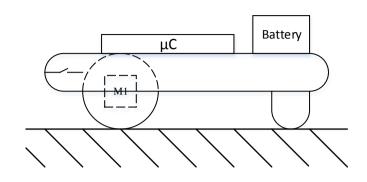


Electrical Design









Psuedo Code

```
void loop ()
  if (frontSwitch == High)
  {
     Wheels Stop
     Wheels Reverse
     Wheels Turn 90*
}

else if (rightSwitch == High)
  {
     Wheels Turn some degree away from wall
}

else if (leftSwitch == High)
  {
     Wheels Turn some degree away from wall
}

else if (frontSwitch | rightSwitch | leftSwitch == Low)
  {
     wheelOne Spin Slow
     wheelTwo Spin Fast //causes robot to turn in a counter clockwise circle
}
```