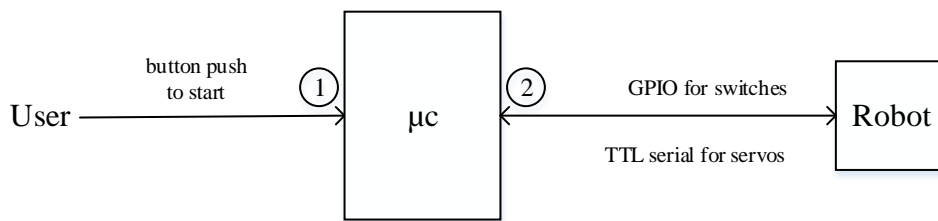
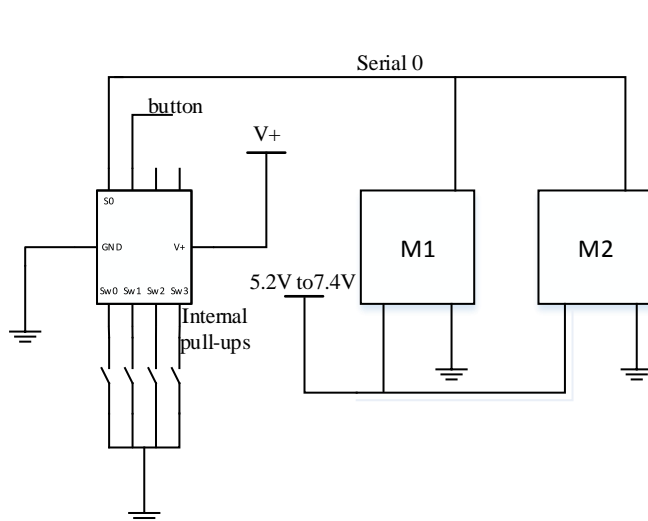
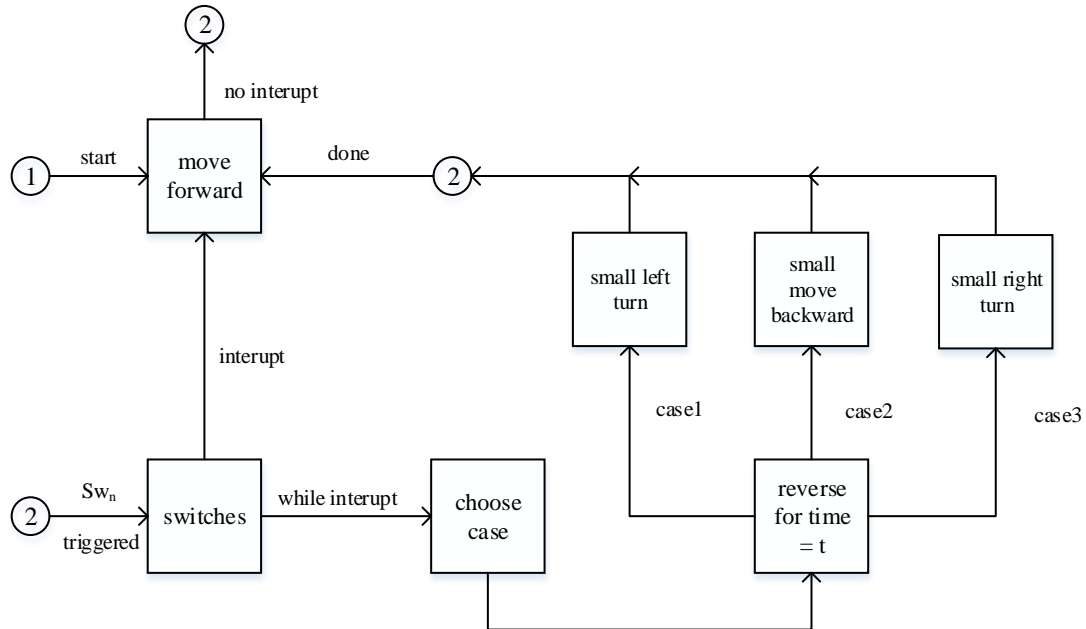


## Design of Demo 1

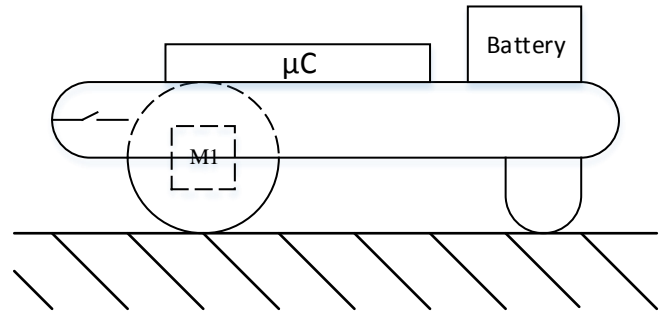
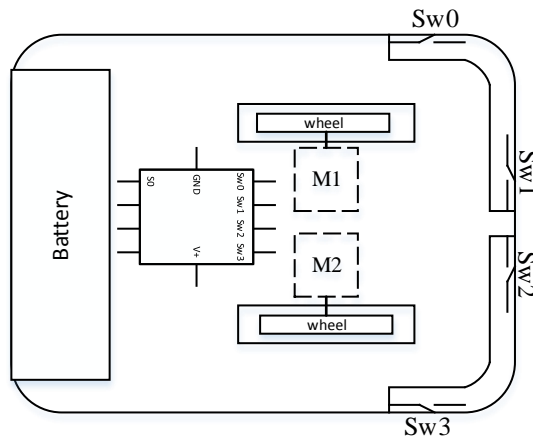


### Interface Design



### Electrical Design

## Mechanical Design



## Pseudo Code

```
void loop ()
    while (trigger = 1)
        wheel1 = move.forward
        wheel2 = move.forward
    check_trigger()
    return trigger(1)
```

```
void check_trigger ()
    if (sw0 = 0)
        trigger = 0
        sLeft_reverse()
    elseif (sw1 = 0)
        trigger = 0
        sbackward_reverse()
    elseif (sw2 = 0)
        trigger = 0
        sbackward_reverse()
    elseif (sw3 = 0)
        trigger = 0
        sright_reverse()
    else
        trigger = 1
        return (trigger)
```

```
void sLeft_reverse()
    wheel1 = move.backward slower
    wheel2 = move.backward slow
    trigger = 1
    return (trigger)
```

```
void sright_reverse()
    wheel1 = move.backward slow
    wheel2 = move.backward slower
    trigger = 1
    return(trigger)
```

```
void sbackward_revers()
    wheel1 = move.backward slow
    wheel2 = move.backward slow
    trigger = 1
    return (trigger)
```