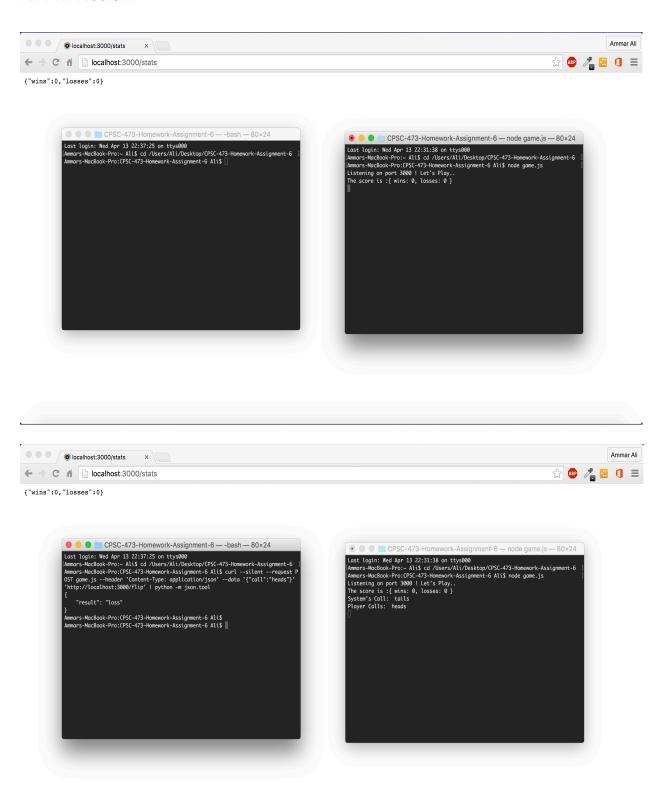
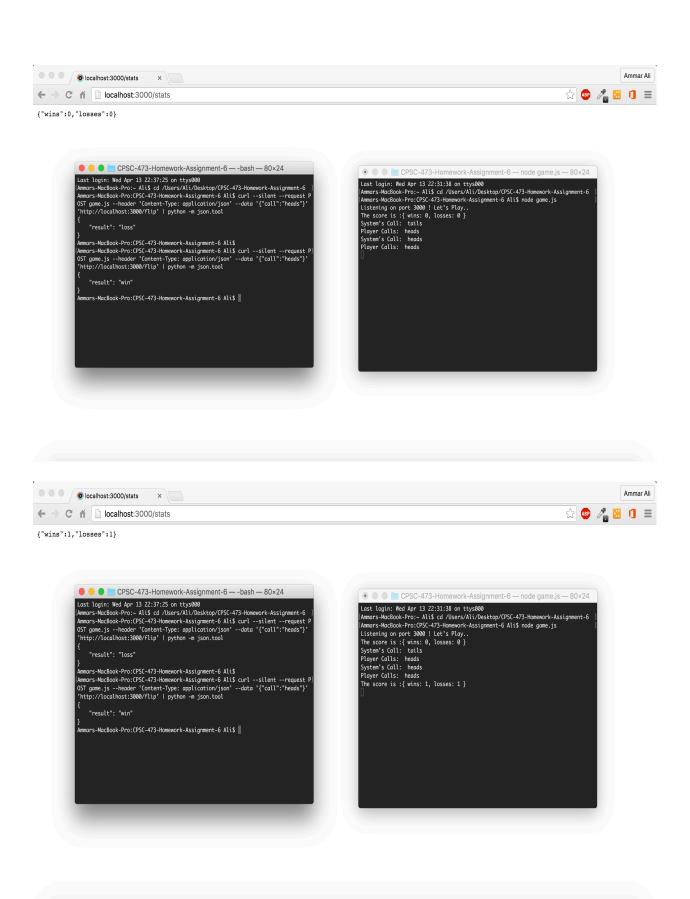
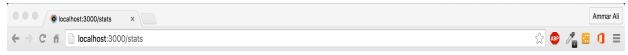


API in Action







{"wins":2,"losses":4}

```
● ● CPSC-473-Homework-Assignment-6 — -bash — 80×24

    CPSC-473-Homework-Assignment-6 — node game.js — 80×24

'http://localhost:3000/flip' | python -m json.tool
                                                                                                                                                                       Last login: Wed Apr 13 22:31:38 on ttys000
[Ammars-MacBook-Pro:- Ali$ cd /Users/Ali/Desktop/CPSC-473-Homework-Assignment-6
[Ammars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$ node game.js
                                                                                                                                                                       | Ammars-MacBook-Pro:LYSL-473-Homework-|
Listening noprt 3000 ! Let's Play..
The score is :{ wins: 0, losses: 0 }
System's Call: tails
Player Calls: heads
System's Call: heads
Ammars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$
[Ammars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$ curl --silent --request P
OST game.js --header 'Content-Type: application/json' --data '{"call":"tails"}'
 'http://localhost:3000/flip' | python -m json.tool
                                                                                                                                                                        Player Calls: heads
                                                                                                                                                                       Player Calls: heads
The score is: { wins: 1, losses: 1 }
System's Call: heads
Player Calls: heads
System's Call: heads
 /
//mmors-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$ curl --silent --request P
OST game.js --header 'Content-Type: application/json' --data '{"call":"tails"}'
'http://localhost:3000/filp' | python -m json.tool
                                                                                                                                                                        Player Calls: tails
                                                                                                                                                                        System's Call: heads
Player Calls: tails
       "result": "loss"
                                                                                                                                                                        System's Call: heads
Player Calls: tails
|
| Ammars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$ curl --silent --request P|
| OST game.js --header 'Content-Type: application/json' --data '{"call":"tails"}'
| http://localnost:3000/flip' | python -m json.tool
                                                                                                                                                                         The score is :{ wins: 2, losses: 4 }
       "result": "loss"
  Ammars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$
```

```
localhost:3000/stats
                                                                                                         Ammar Ali
← → C 🐧 🗋 localhost:3000/stats
                                                                                               ☆ 🐠 🔏 🖺 🚺 🗏
```

{"wins":2,"losses":4}

```
CPSC-473-Homework-Assignment-6 — -bash — 80×24
  'http://localhost:3000/flip' | python -m json.tool
         "result": "win"
  }
Ammars-MacBook-Pro:(PSC-473-Homework-Assignment-6 Ali$
Ammars-MacBook-Pro:(PSC-473-Homework-Assignment-6 Ali$ curl --silent --request P
OST game.js --header 'Content-Type: application/json' --data '{"call":"tails"}'
'http://localhast:3000/flip' | python -m json.tool
  ;
Mamors-MocRook-Pro:CPSC-473-Homework-Assignment-6 Ali$ curl --silent --request P
OST game.js --header 'Content-Type: application/json' --data '{"call":"tails"}'
'http://localhost:3000/filp' | python -m json.tool
                                                                                                                                                                                                   Player Calls: tails
System's Call: heads
Player Calls: tails
The score is :{ wins: 2, losses: 4}
  //
//Ammors-MacRook-Pro:CPSC-473-Homework-Assignment-6 Ali$ curl --silent --request P
OST game.js --header 'Content-Type: application/json' --data '{"call":"tails"}'
'http://localhost:3000/filp' | python -m json.tool
         "result": "loss"
        ars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$ [
```

```
● ● CPSC-473-Homework-Assignment-6 — -bash — 80×24
CPSC-473-Homework-Assignment-6 — -bash — 80×24

Last login: Wed Apr 13 22:31:38 on thys000

Ammars-MacOok-Pro: Aliá cd /Users/Ai:/Desktop/(PSC-473-Homework-Assignment-6

Ammars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Aliå node game.js

Listening on port 3000! Let's Play.

The score is :{ wins: 0, losses: 0 }

System's Call: toils

Player Calls: heads

System's Call: heads

Player Calls: heads

Ployer Calls: heads

Ployer Calls: heads

Ployer Calls: heads

Ployer Calls: toils

Ployer Calls: toils

Ployer Calls: toils

Ployer Calls: toils
             mars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$
```



{"wins":3,"losses":5}

```
● ● CPSC-473-Homework-Assignment-6 — -bash — 80×24
                                                                                                          • CPSC-473-Homework-Assignment-6 — node game.is — 80×24
OST game.js --header 'Content-Type: application/json' --data '{"call":"tails"}'
'http://localhost:3000/flip' | python -m json.tool
                                                                                                         System's Call: tails
                                                                                                         Player Calls: heads
                                                                                                         System's Call: heads
     "result": "loss"
                                                                                                         Player Calls: heads
                                                                                                         The score is :{ wins: 1, losses: 1 }
System's Call: heads
Ammars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$ curl --silent --request P
OST game.js --header 'Content-Type: application/json' --data '{"call":"tails"}'
                                                                                                         Player Calls: heads
 'http://localhost:3000/flip' | python -m json.tool
                                                                                                         System's Call: heads
                                                                                                         Player Calls: tails
     "result": "loss"
                                                                                                         System's Call: heads
                                                                                                         Player Calls: tails
 .
Ammars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$ curl --silent --request P
                                                                                                          System's Call: heads
OST game.js --header 'Content-Type: application/json' --data '{"call":"tails"}'
                                                                                                         Player Calls: tails
 'http://localhost:3000/flip' | python -m json.tool
     "result": "loss"
                                                                                                         [Ammars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$ node game.js
Listening on port 3000 ! Let's Play..
| Ammars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$ curl --silent --request P

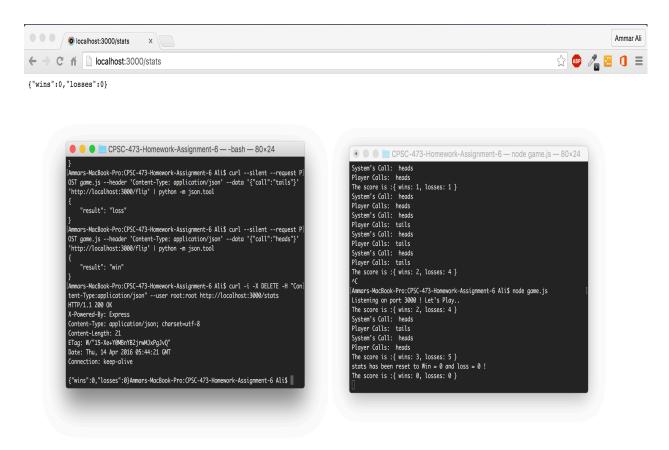
OST game.js --header 'Content-Type: application/json' --data '{"call":"heads"}'
                                                                                                          The score is :{ wins: 2, losses: 4 }
                                                                                                          System's Call: heads
 'http://localhost:3000/flip' | python -m json.tool
                                                                                                         Player Calls: tails
                                                                                                          System's Call: heads
     "result": "win"
                                                                                                         Player Calls: heads
                                                                                                          The score is :{ wins: 3, losses: 5 }
  mars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$
```

{"wins":3,"losses":5}

```
CPSC-473-Homework-Assignment-6 — -bash — 80×24

}
Ammars-MocRook-Pro:CPSC-473-Homework-Assignment-6 Ali$ curl --silent --request Pl
OST game.js --header 'Content-Type: application/json' --data '{"call":"tails"}'
'http://localhost:3000/flip' | python -m json.tool
{
    "result": "loss"
}
Ammars-MacBook-Pro:CPSC-473-Homework-Assignment-6 Ali$ curl --silent --request Pl
OST game.js --header 'Content-Type: application/json' --data '{"call":"heads"}'
'http://localhost:3000/flip' | python -m json.tool
{
    "result": "win"
}
Ammars-MocRook-Pro:CPSC-473-Homework-Assignment-6 Ali$ curl -i -X DELETE -H "Conl
tent-Type:application/json" --user root:root http://localhost:3000/stats
XTPOMENTP/1.1 200 0K
X-Pomered-By: Express
Content-Type: application/json; charset=utf-8
Content-Type: application/json; charset=utf-8
Content-Length: 21
ETG: M'-15-Xev'00eNB2/jrMUXPgJvQ"
Dote: Thu, 14 Apr 2016 05:44:21 GMT
Connection: keep-alive
{"wins":0, "losses":0]Ammars-MocBook-Pro:CPSC-473-Homework-Assignment-6 Ali$ ||
{"wins":0, "losses":0]Ammars-MocBook-Pro:CPSC-473-Homework-Assignment-6 Ali$ ||
{"wins":0, "losses":0]Ammars-MocBook-Pro:CPSC-473-Homework-Assignment-6 Ali$ ||
```

```
Player Calls: heads
System's Call: heads
Player Calls: heads
Player Calls: heads
The score is : { wins: 1, losses: 1 }
System's Call: heads
The score is : { wins: 1, losses: 1 }
System's Call: heads
Player Calls: heads
Player Calls: heads
Player Calls: tails
System's Call: heads
Player Calls: tails
System's Call: heads
Player Calls: tails
System's Call: heads
Player Calls: tails
The score is : { wins: 2, losses: 4 }
AC
Ammors-MocBook-Pro: CPS-473-Homenork-Assignment-6 Ali$ node game. js
Listening on port 3000 ! Let's Play...
The score is : { wins: 2, losses: 4 }
System's Call: heads
Player Calls: tails
System's Call: heads
Player Calls: heads
Player Calls: heads
Player Calls: heads
The score is : { wins: 3, losses: 5 }
stats has been reset to Win = 0 and loss = 0 !
```



Command for using cURL:

To Post: (heads)

curl --silent --request POST game.js --header 'Content-Type: application/json' --data '{"call":"heads"}' 'http://localhost:3000/flip' l python -m json.tool

To Post: (tails)

curl --silent --request POST game.js --header 'Content-Type: application/json' --data '{"call":"tails"}' 'http://localhost:3000/flip' | python -m json.tool

To Delete: (clears stats)

curl -i -X DELETE -H "Content-Type:application/json" --users root:root http://localhost/stats