



T.C.

GEBZE TEKNİK ÜNİVERSİTESİ

BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ

CSE443 - Object Oriented Analysis and Design

Fall 2016

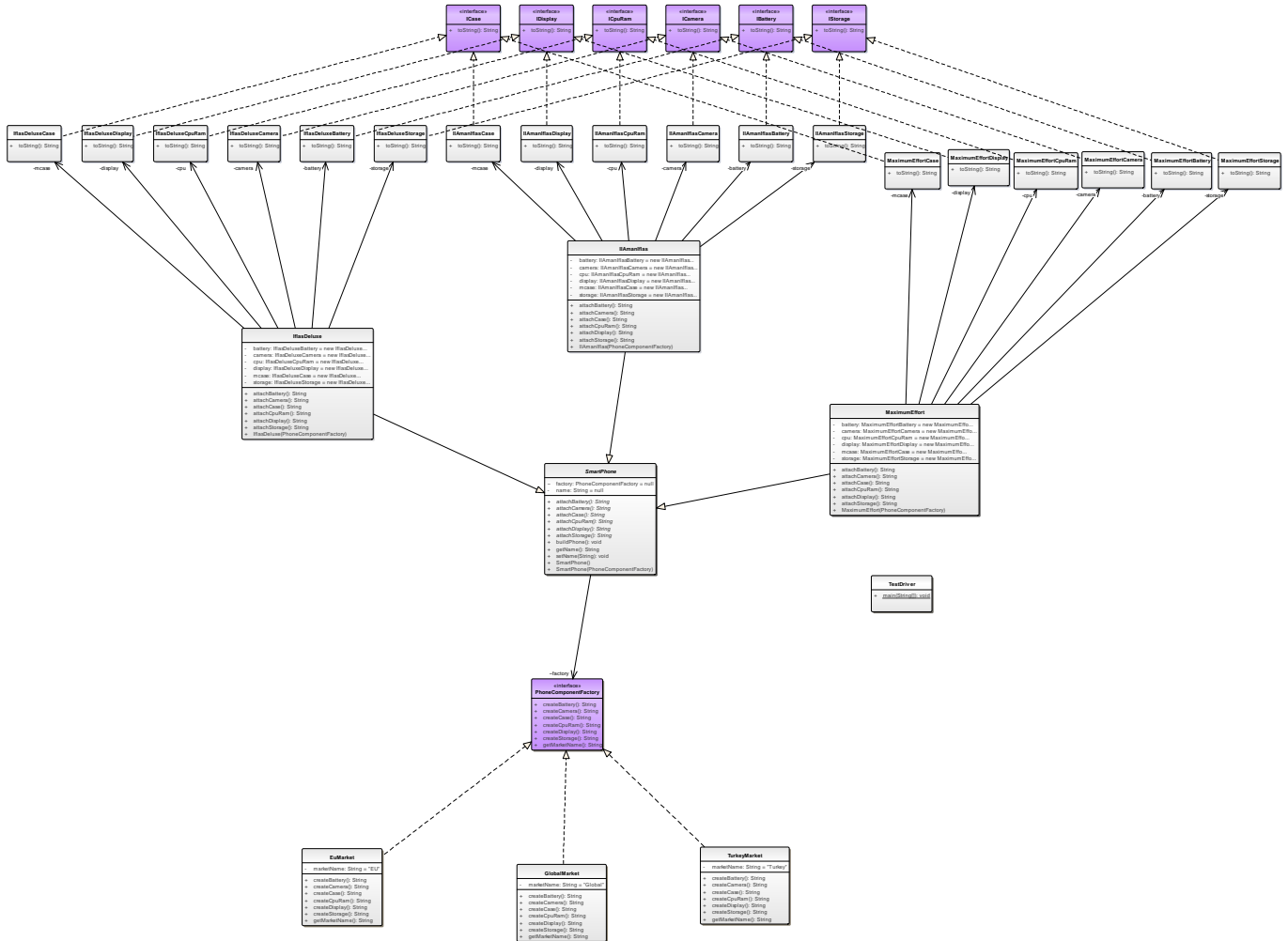
HW3

Onur SEZER

121044074

Q1)

- İlk bölüm için çıkan class diyagramı aşağıdaki gibidir.



- Main çalıştırıldıktan sonra çıkan çıktı aşağıdaki gibidir.

```

C:\Program Files\Java\jdk-8.0.111\bin\javaw.exe (14 Ara 2016 00:08:00)
<terminated> TestDriver [Java Application]
Telefon ismi : MaximumEffort
Üretim yeri : Turkey
2.8GHz, 8GB 8 cores eklendi
5.5 inches 32 bit eklendi
27h, 3600mAh Lithium-Boron eklendi
MicroSD support, 64GB Max 128 GB eklendi
12Mp front, 8Mp rear Opt. zoom x4 eklendi
151x73x7.7 mm dustproof, waterproof, aluminum Waterproof up to 2m oluşturuldu

Telefon ismi : MaximumEffort
Üretim yeri : EU
2.8GHz, 8GB 4 cores eklendi
5.5 inches 24 bit eklendi
27h, 3600mAh Lithium-Ion eklendi
MicroSD support, 64GB Max 64 GB eklendi
12Mp front, 8Mp rear Opt. zoom x3 eklendi
151x73x7.7 mm dustproof, waterproof, aluminum Waterproof up to 1m oluşturuldu

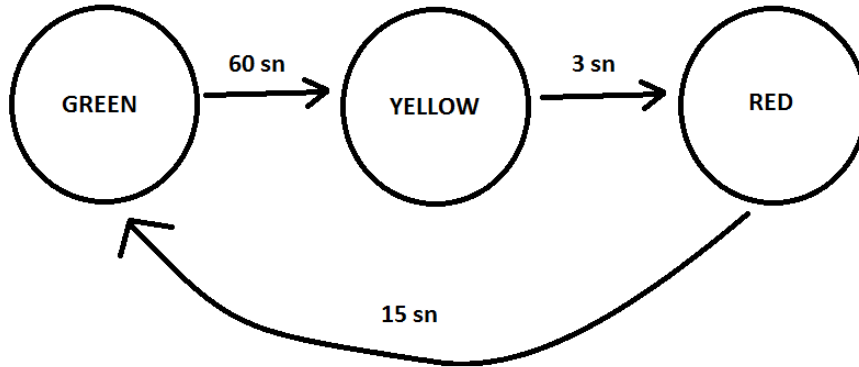
Telefon ismi : MaximumEffort
Üretim yeri : Global
2.8GHz, 8GB 2 cores eklendi
5.5 inches 24 bit eklendi
27h, 3600mAh Lithium-Cobalt eklendi
MicroSD support, 64GB Max 32 GB eklendi
12Mp front, 8Mp rear Opt. zoom x2 eklendi
151x73x7.7 mm dustproof, waterproof, aluminum Waterproof up to 50cm oluşturuldu

Telefon ismi : IIAmanIfilas
Üretim yeri : Global
2.2GHz, 4GB 2 cores eklendi
4.5 inches24 bit eklendi
16h, 2000mAh Lithium-Cobalt eklendi
MicroSD support, 16GB Max 32 GB eklendi
8Mp front, 5Mp rear Opt. zoom x2 eklendi
143x69x7.3 mm waterproof, plastic Waterproof up to 50cm oluşturuldu

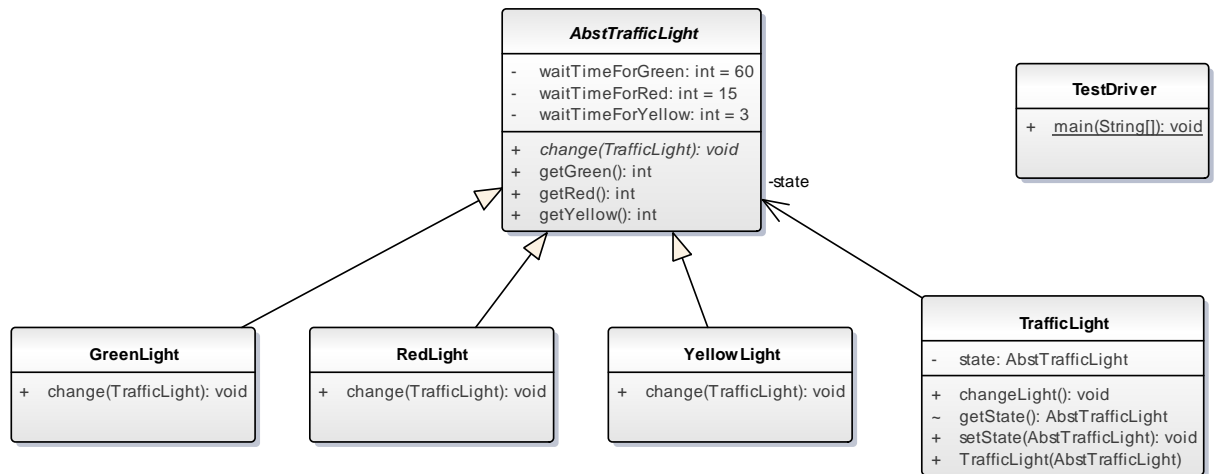
```

Q2_Part1)

- State diagramı :



- İkinci bölümün ilk kısmı için çıkan class diyagramı aşağıdaki gibidir.



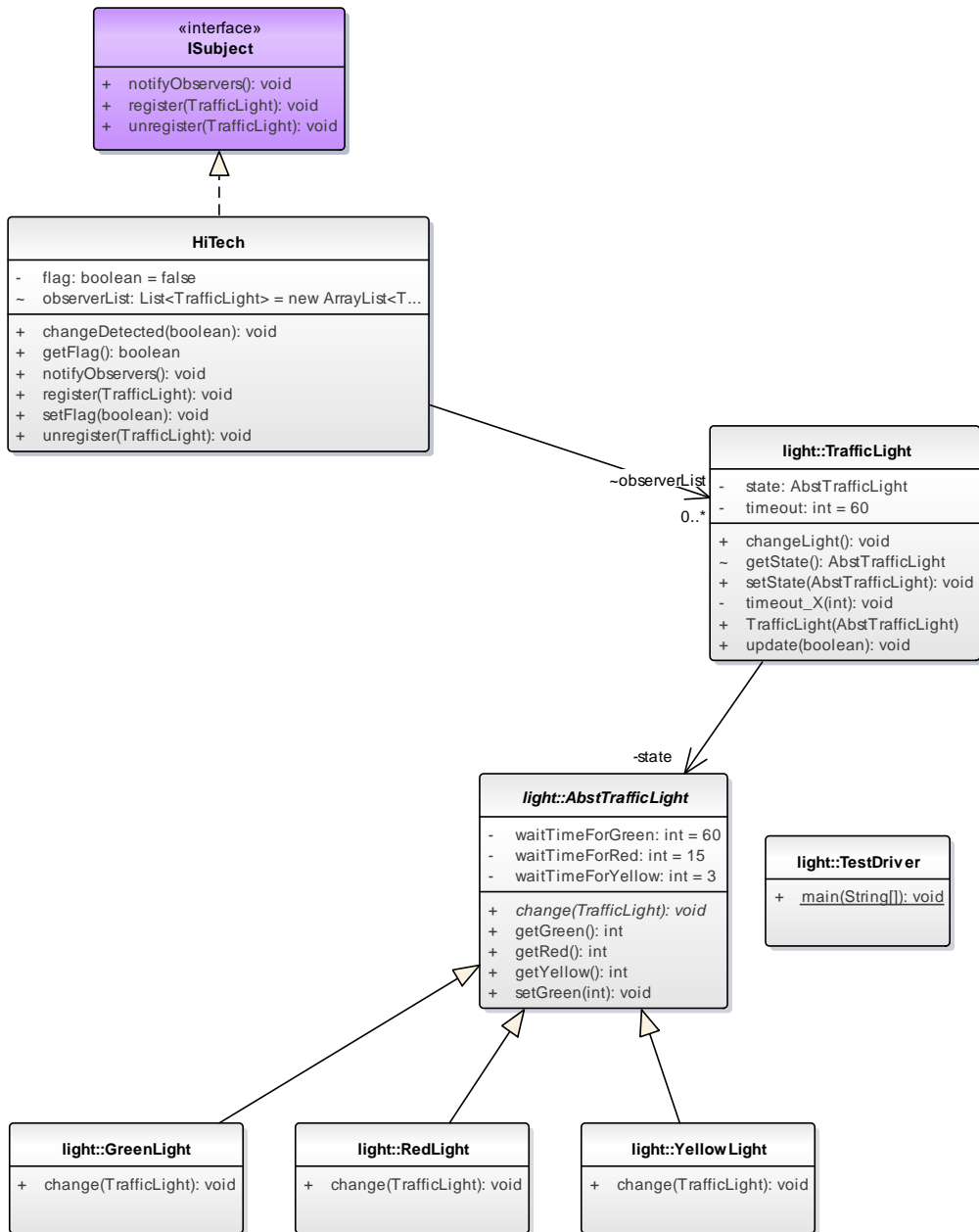
- Main çıktısı:

```
Console
<terminated> TestDriver (2) [Java Application] C:\Program Files\Java\jre1.8.0_111\bin\javaw.exe (14 Ara 2016 01:25:08)
***State Pattern Demo***

I am RedLight. Going to be GreenLight after 15 seconds
I am GreenLight. Going to be YellowLight after 60 seconds
I am YellowLight. Going to be RedLight after 3 seconds
```

Q2_Part2)

- İkinci bölümün ikinci kısmı için çıkan class diyagramı aşağıdaki gibidir.



- Main çıktısı:

```
Console x
<terminated> TestDriver (3) [Java Application] C:\Program Files\Java\jre1.8.0_111\bin\javaw.exe (14 Ara 2016 01:43:14)

***Observer & State Pattern Demo***

light registered to HiTech
light2 registered to HiTech
light3 registered to HiTech

Trafiğin sıkışık olduğu farkedildi.Yeşil ışıklar 90 sn yapıldı.

light
I am RedLight. Going to be GreenLight after 15 seconds
I am GreenLight. Going to be YellowLight after 90 seconds
I am YellowLight. Going to be RedLight after 3 seconds

light2
I am RedLight. Going to be GreenLight after 15 seconds
I am GreenLight. Going to be YellowLight after 90 seconds
I am YellowLight. Going to be RedLight after 3 seconds

light3
I am RedLight. Going to be GreenLight after 15 seconds
I am GreenLight. Going to be YellowLight after 90 seconds
I am YellowLight. Going to be RedLight after 3 seconds

Trafiğin normal olduğu farkedildi.Yeşil ışık eski haline getirildi.

light
I am RedLight. Going to be GreenLight after 15 seconds
I am GreenLight. Going to be YellowLight after 60 seconds
I am YellowLight. Going to be RedLight after 3 seconds

light2
I am RedLight. Going to be GreenLight after 15 seconds
I am GreenLight. Going to be YellowLight after 60 seconds
I am YellowLight. Going to be RedLight after 3 seconds

light3
I am RedLight. Going to be GreenLight after 15 seconds
I am GreenLight. Going to be YellowLight after 60 seconds
I am YellowLight. Going to be RedLight after 3 seconds
```