GEBZE TECHNICAL UNIVERSITY CSE443 OBJECT ORIENTED PROGRAMMING HOMEWORK - 4 REPORT ALPER MÜLAYİM 121044030

Client ile Server RMI kullanılarak implement edilmiştir. User kullanıcı localhost veya istediği IP de sistemi kullanabilmektedir. Giriş ekranı aşağıda belirtilmektedir.

Kullanıcı giriş ekranı, kredi detayları yapılmıştır.Kullanıcı oluşuturulabilmekte ve ödeme sistemine kart bilgileri ile ödeme yapılabilmektedir.

Birden çok kullanıcı farklı ağlardan bağlanabilir ve bağlanan kullanıcıların logları kendi sistemlerinde tutulmaktadır.

Her kullanıcı için LOG serverda ayrı ayrı tutulmaktadır.

Kullanıcıya kesinlikle obje bilgisi verilmemektedir.Kullanıcıya parçalayamayacağı Stringler yollanmaktadır.Kullanıcı sorgularında yalnızca ekrana basabileceği sonuçlar alır.

Kullanıcılar kesinlikle başka kullanıcının bilgilerine loglarına ulaşamazlar.

Credit Ücretlendirme

İşlem başına kullanıcıdan belli oranlarda işlem ücreti alınmakatadır. Aşağıdaki tabloda işlem başına alınan ücretler gösterilmektedir.

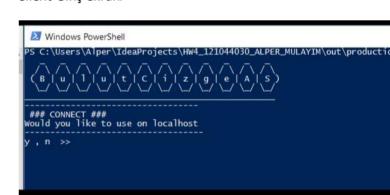
Process	Credit
User Creation	20
User Property Sorgulama	2.5
Credit Sorgulama	1.25
Log Sorgulama	1.75
Pay (Odeme) Komisyonu	Pay x 0.1
Creation Graph	5
Add Graph Element	0.1
Graph Structure Sorgulama	4
Dijkstra Report	6.5
Shortest Path	5

Server ekranı



Şekil 1:Server ekranı

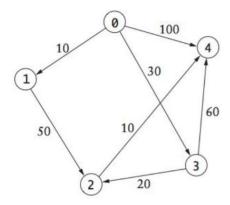
Client Giriş ekranı

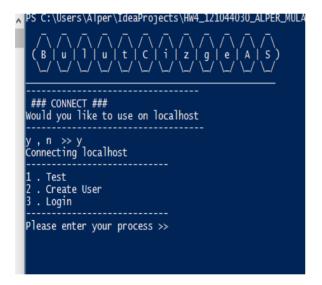


Şekil 2Client giriş

Client hazır oluşuturulmuş kullancı ve graph ile test sürüşü yapabileceği gibi kendi kullanıcı hesabını da oluştrabilir.

Test Graphı aşağıda gösterilmektedir.





Şekil 3:Client hazır oluşturulmuş graph ve kullanıcı bilgileri ile test sürüşü yapabili

Şekil 4: Kullanıcı sorgusu

```
1 . Show User Properties
2 . Show Credit Details
3 . Graph
4 . Pay Credit
5 . Show Log
6 . Top Menu

Please enter your process >> 4

### CREDIT PAYMENT ###

Card Name : ISBANK MAXIMUM
Card Number :IS1234-1234
Balance :84,05

Enter Cost to Pay >> 50
Card Credit UP-TO-DATE

1 . Show User Properties
2 . Show Credit Details
3 . Graph
4 . Pay Credit
5 . Show Log
6 . Top Menu

Please enter your process >>
```

Şekil 5: Kart Ödeme Para Yükleme

```
1 . Show User Properties
2 . Show Credit Details
3 . Graph
4 . Pay Credit
5 . Show Log
6 . Top Menu
Please enter your process >> 4

### CREDIT PAYMENT ###

Card Name : ZIRAAT DEBIT
Card Number :1234-1234-3556-6656
Balance :473,25

Enter Cost to Pay >>50
Card Credit UP-TO-DATE

1 . Show User Properties
2 . Show Credit Details
3 . Graph
4 . Pay Credit
5 . Show Log
6 . Top Menu

Please enter your process >>
```

Şekil 6Kart sorgusu

Şekil 7Graph menusu

Şekil 8Graph sorgusu

Şekil 9: Dijikstra Sorusu

Şekil 10: Eleman ekleme

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 ### CONNECT ###
Would you like to use on localhost
 y , n >> n
Enter Server IP >> 10.1.40.255
1 . Test
2 . Create User
3 . Login
Please enter your process >> 2
.... Create New User ....
UserName >>ayse34
Name >>Ayse
Surname >>Mahmutoglu
Password >>12345
MailAdres >>ayse@gmail.com
Creadit Card Name >>ZIRAAT DEBIT
Credit Card Number >>1234-1234-3556-6656
Credit Card Balance >>500
UserName :ayse34
Name : Ayse
Surname : Mahmutog]u
Email : ayse@gmail.com
Card Name : ZIRAAT DEBIT
Card Number :1234-1234-3556-6656
Credit :500
 Do you Confirm ? >>
    . Show User Properties
. Show Credit Details
. Graph
    . Pay Credit
. Show Log
. Top Menu
 5
 Please enter your process >>
```

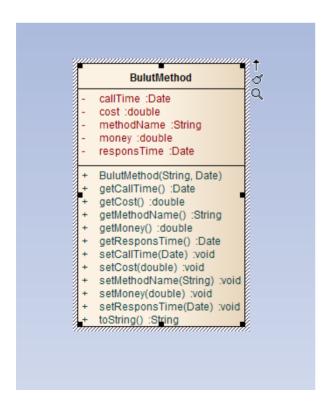
Sekil 11: Kullanıcı ekleme

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Balance :47,05
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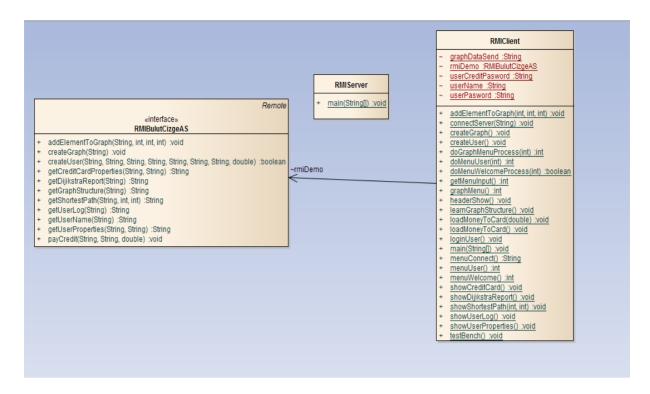
Hello User
User Creation
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Graph Creation
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Log Innquiry
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Sekil 13IOG SORGUSU

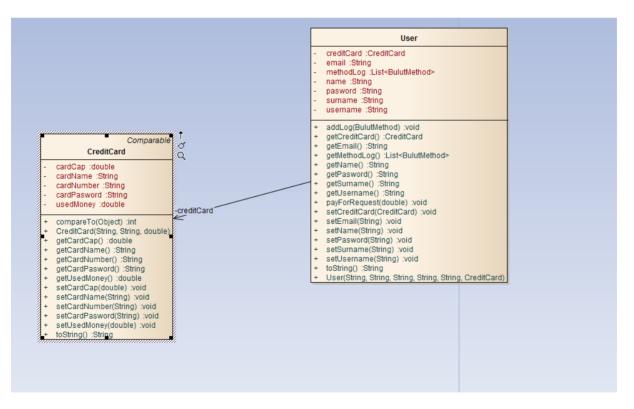
UML DIYAGRAMLARI



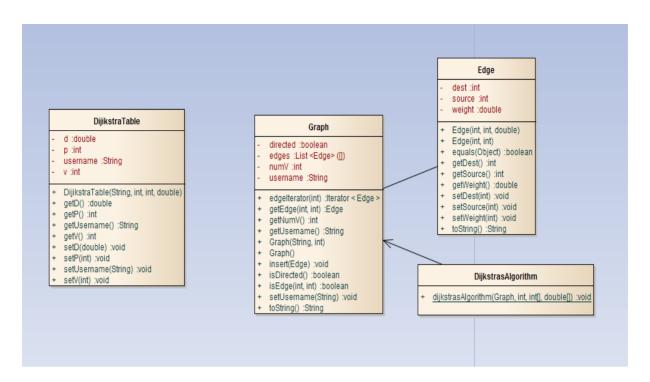
Şekil 14: Method loglama



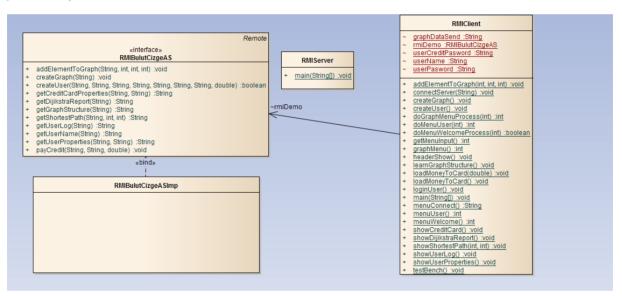
Şekil 15: RMI



Şekil 16: User



Şekil 17: Graph



Şekil 18stub