YAZILIM GELİŞTİRME

ORTAM VE ARAÇLARI

DERSİ

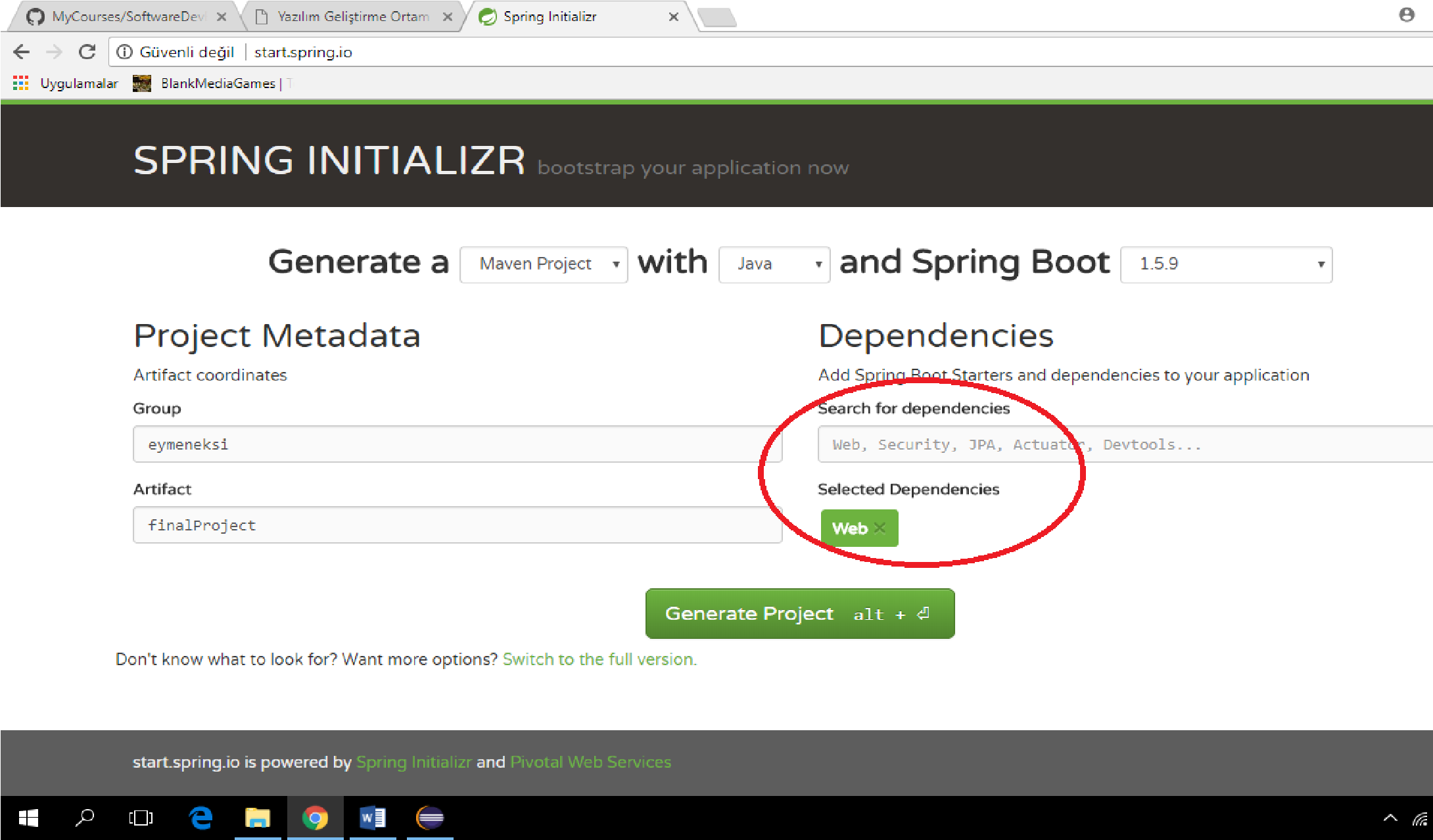
FİNAL PROJESİ

Betül Özdemir

H5160036

https://github.com/betulozdemr/SpringBootFinal/

MAVEN PROJESİ OLUŞTURMA

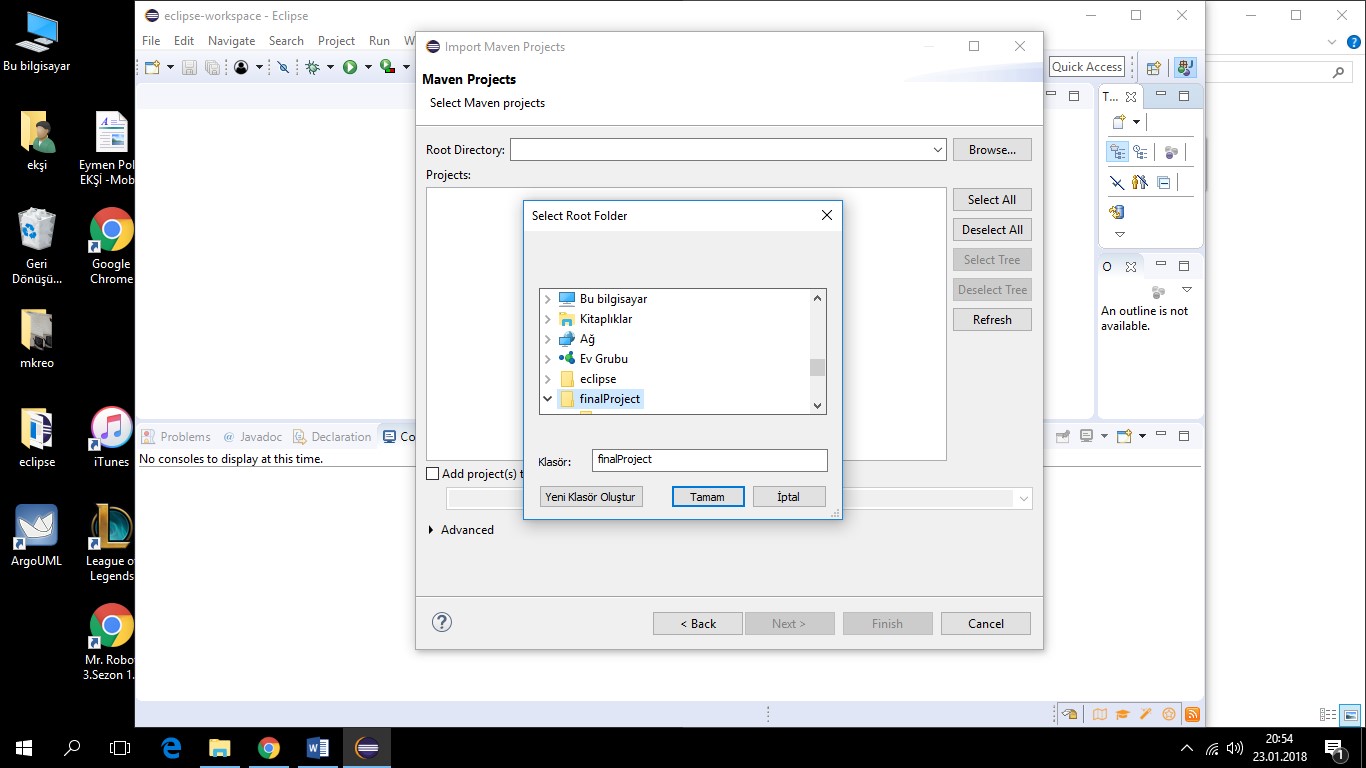
<http://start.spring.io/>adresine girilir.

İsimlendirmeleri kendi isteğime göre yapılır. Web projesi olacağı için dependency olarak Web seçilir. Ardından proje oluşturulur.

Eclipse’de File>Import>Maven>Existing Maven

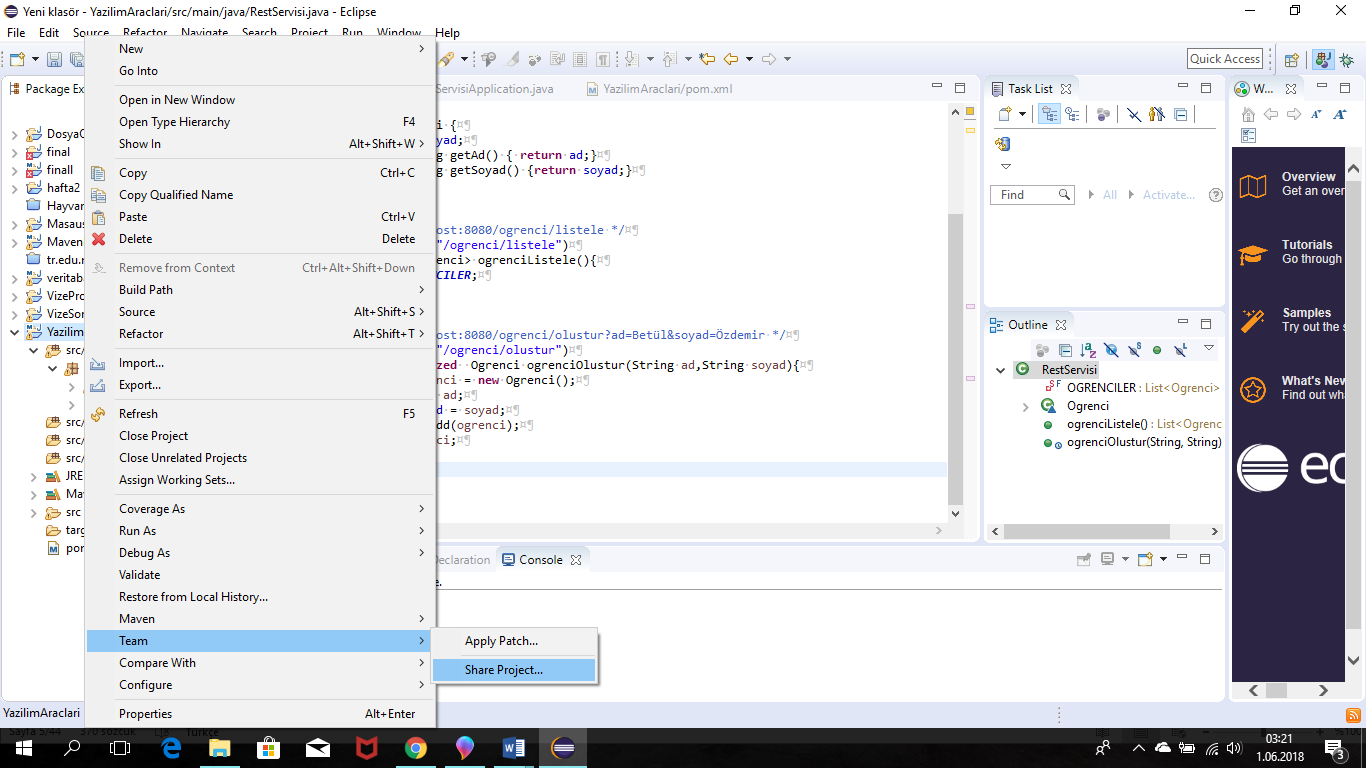
Projects

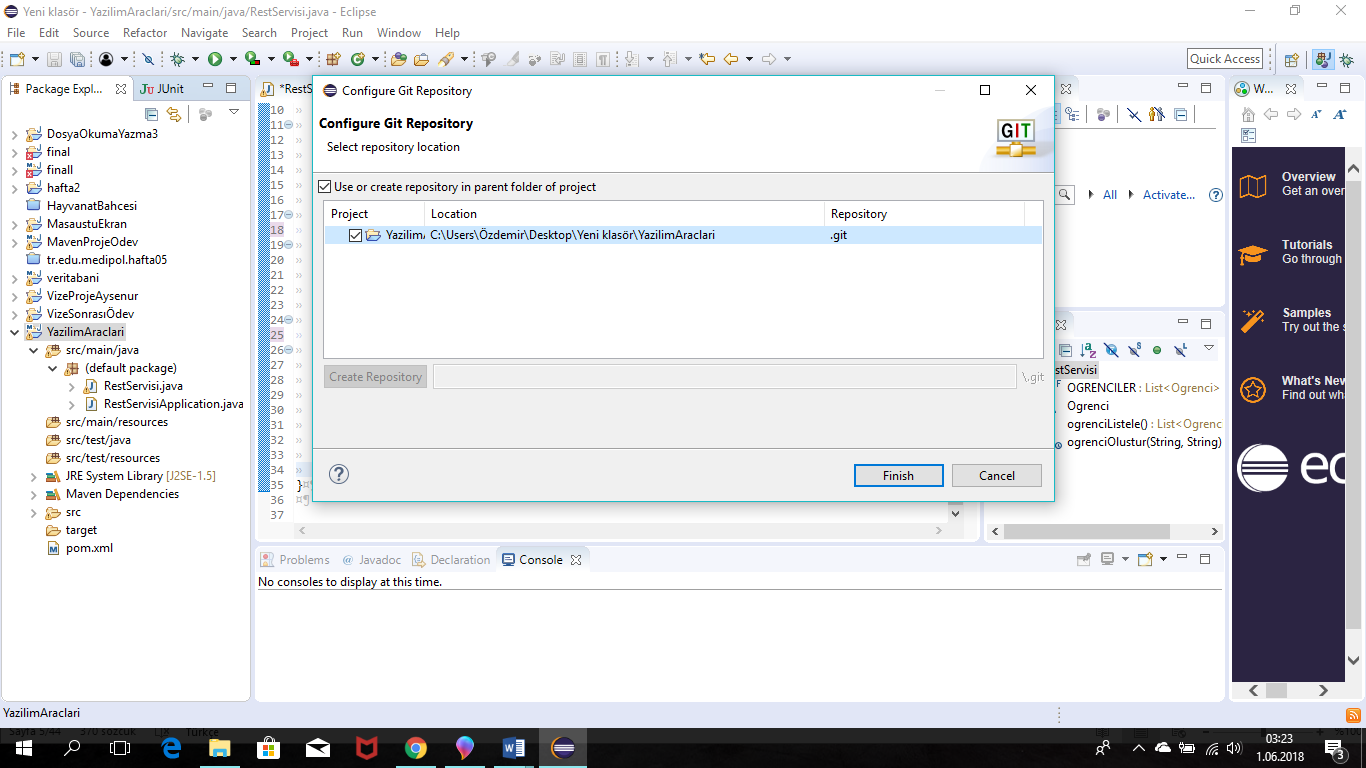
Yolu takip edilerek oluşturduğumuz proje içe aktarılır.



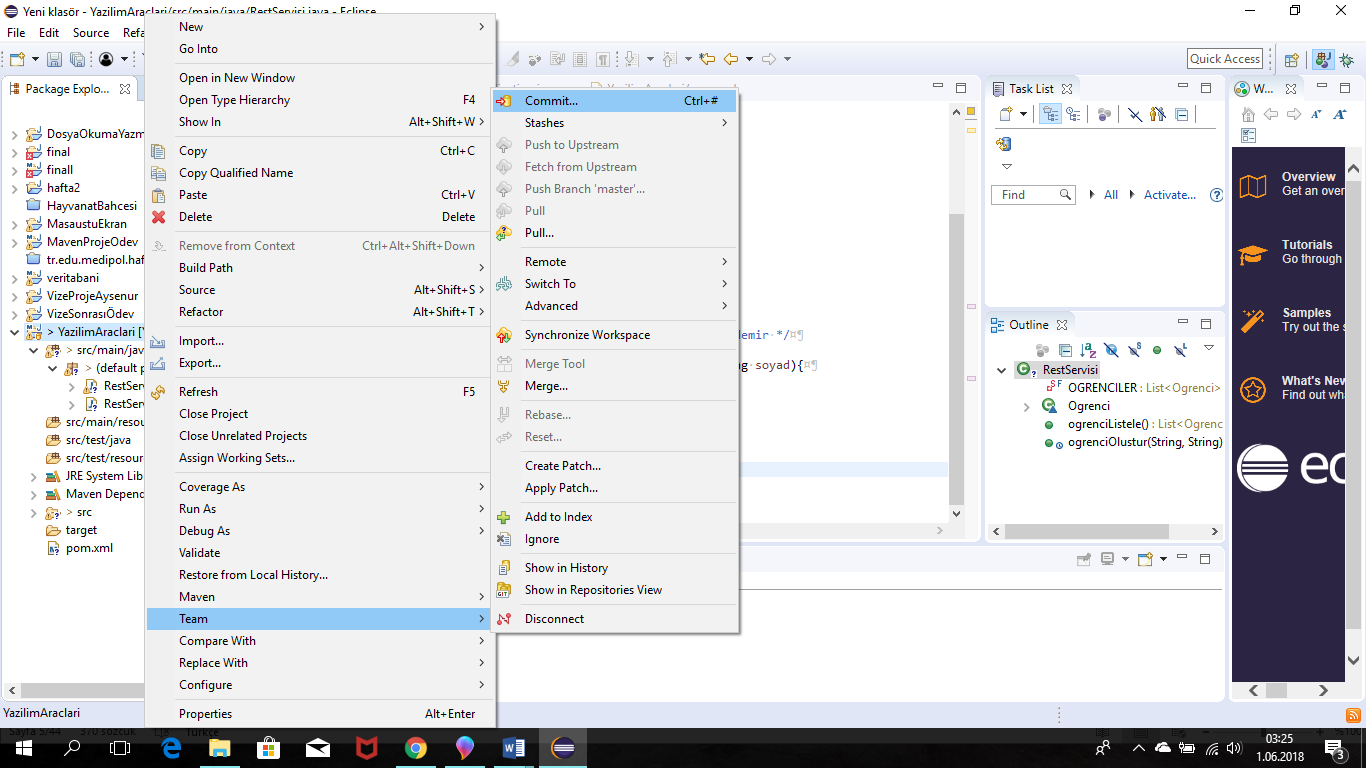
Projenin bulunduğu yer seçilerek proje açılır.

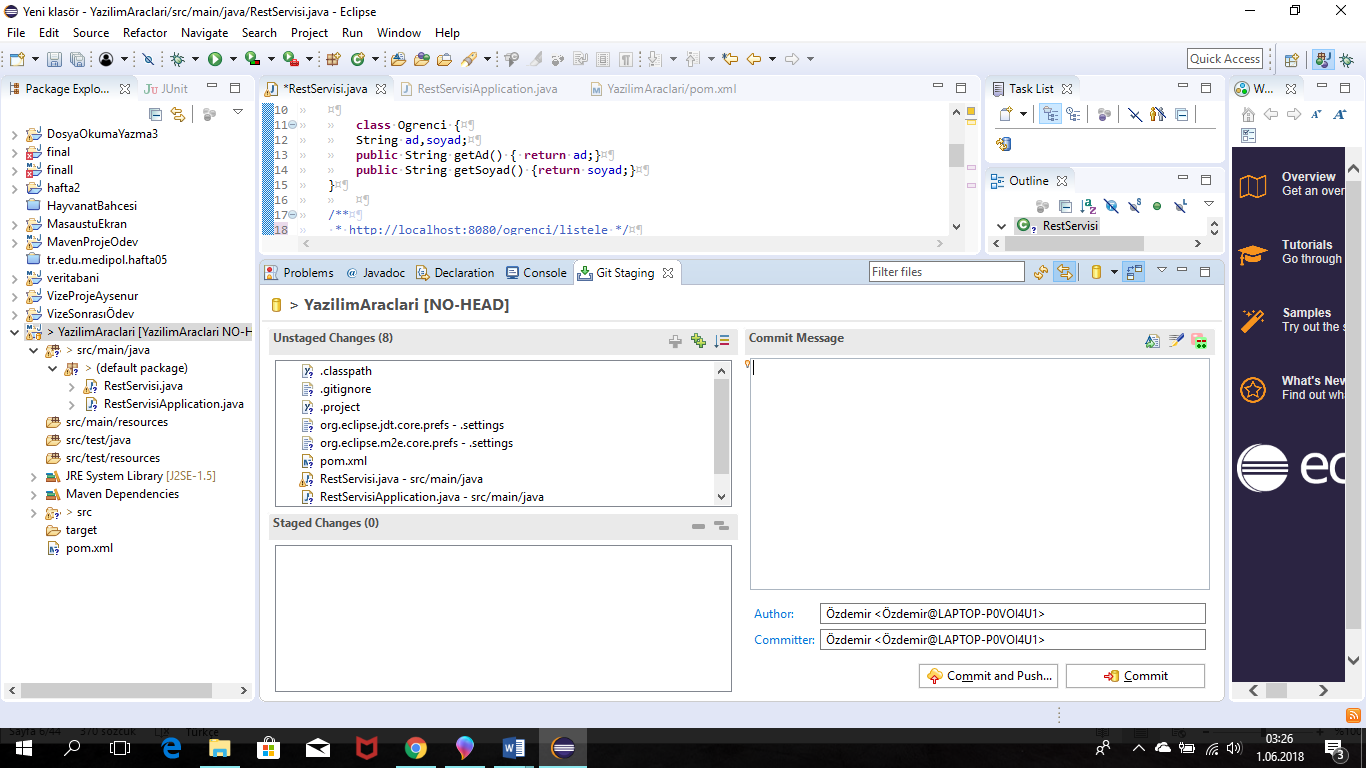
GITHUB-PROJEYI COMMIT’LEME

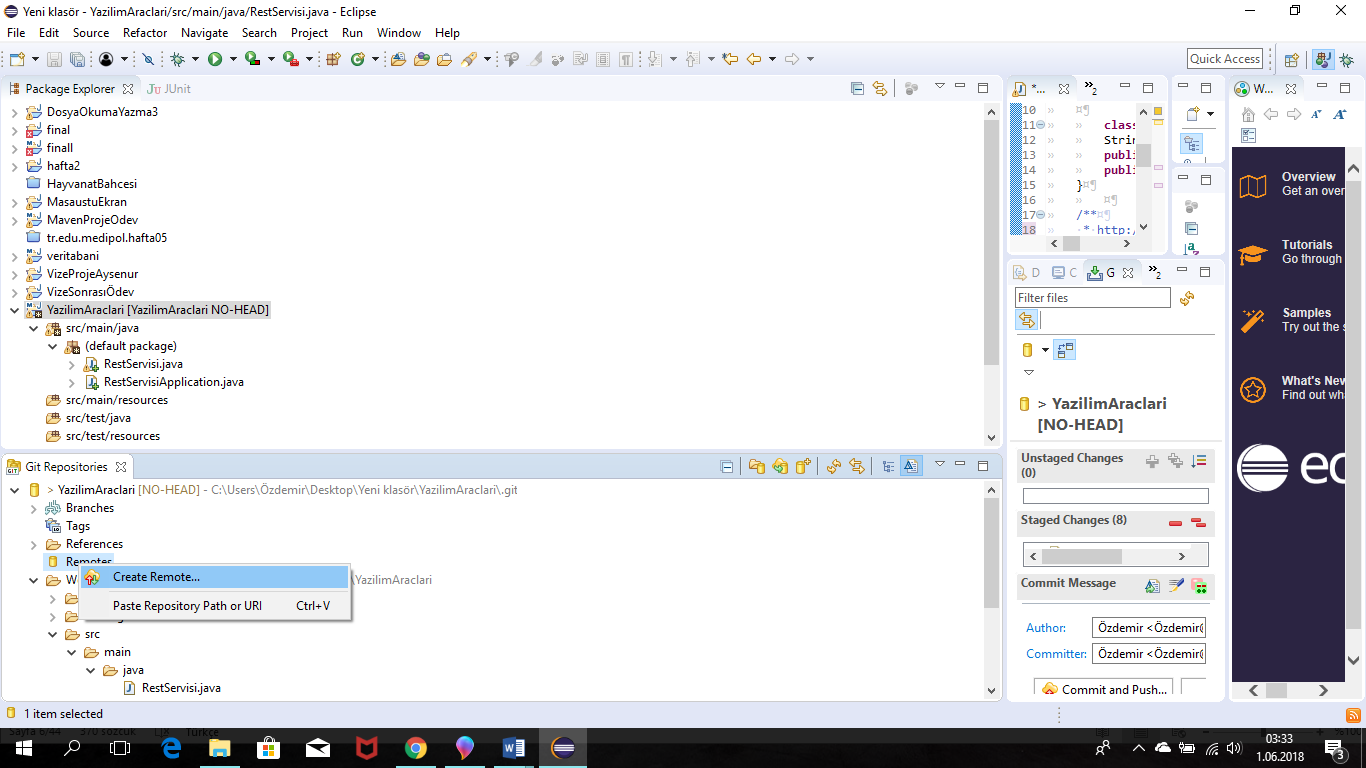


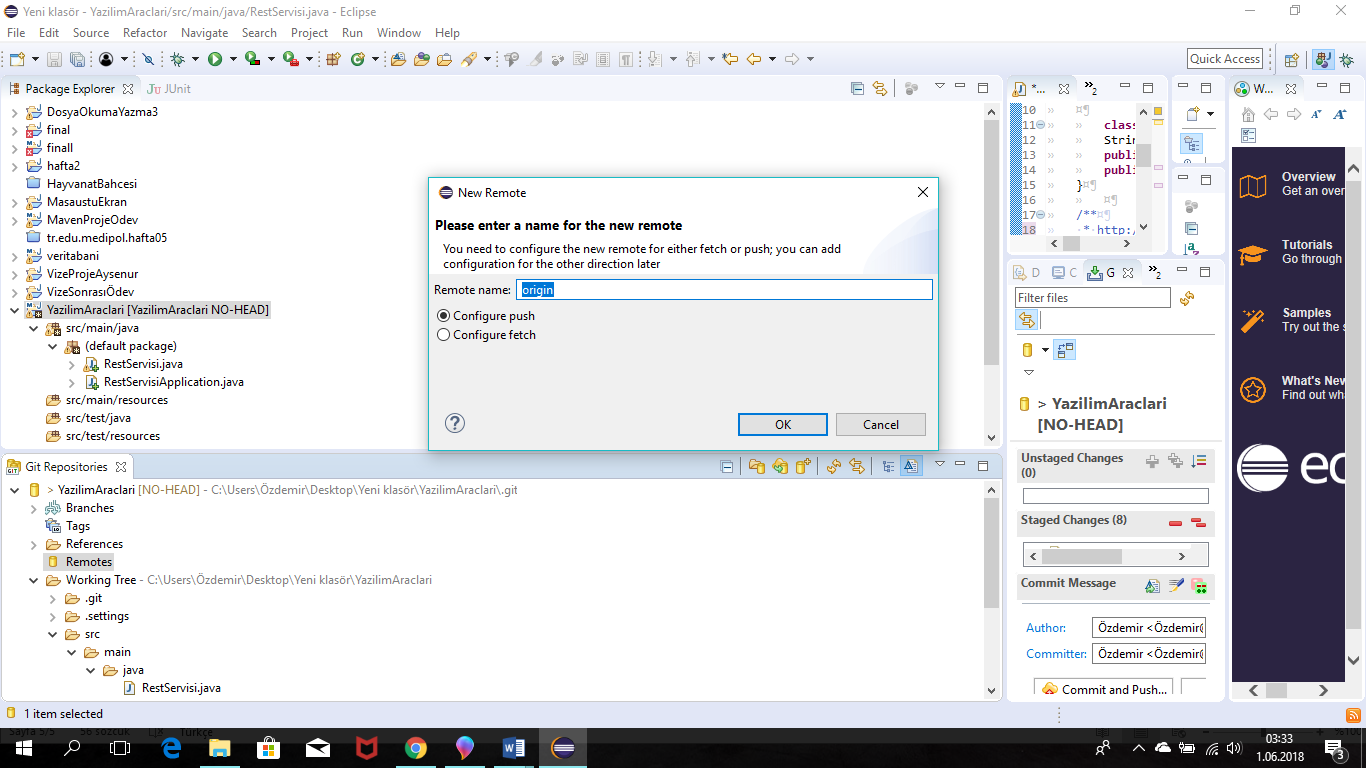


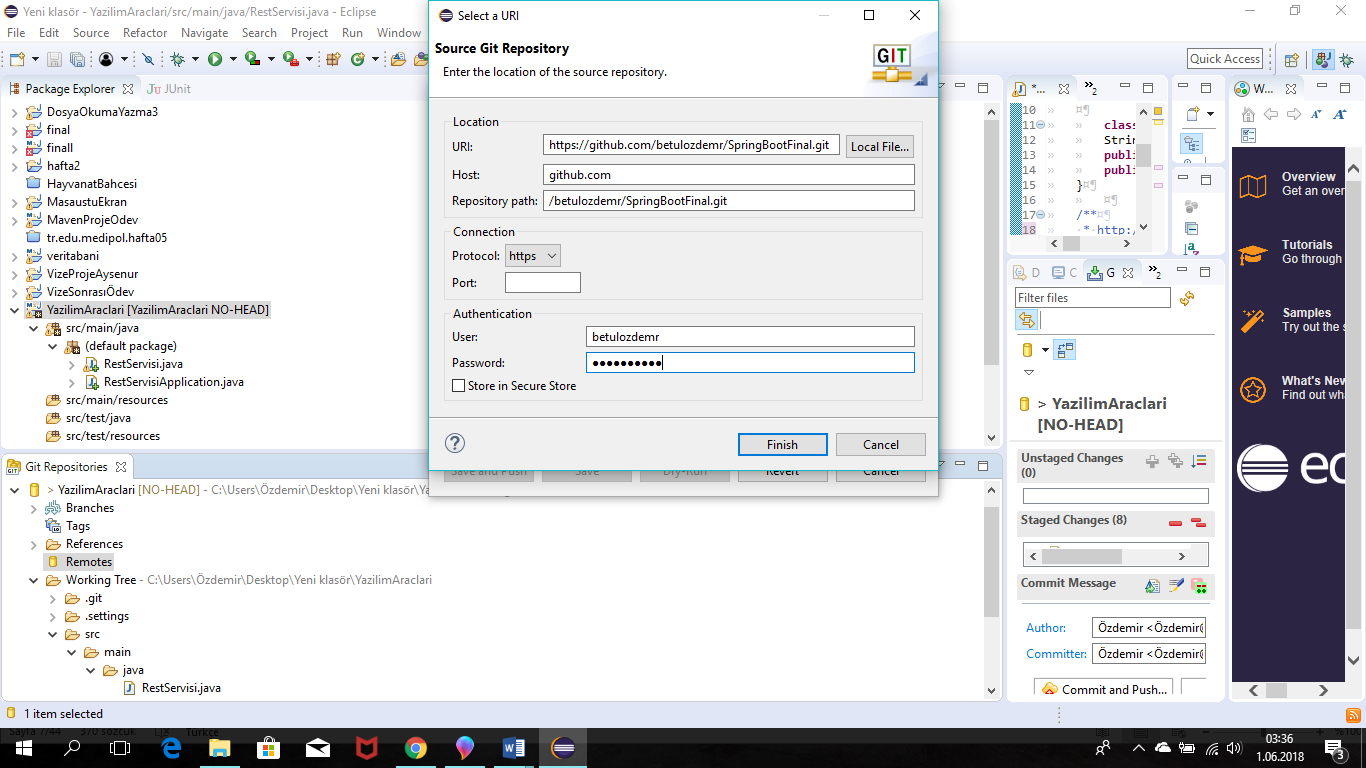
Şu şekilde commitlenir.





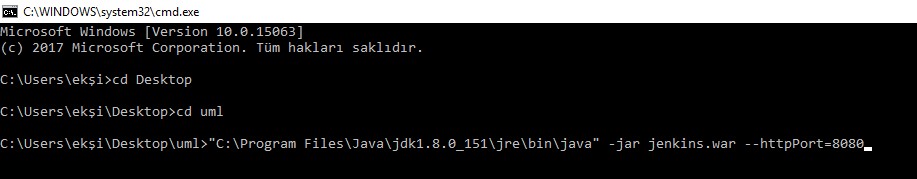




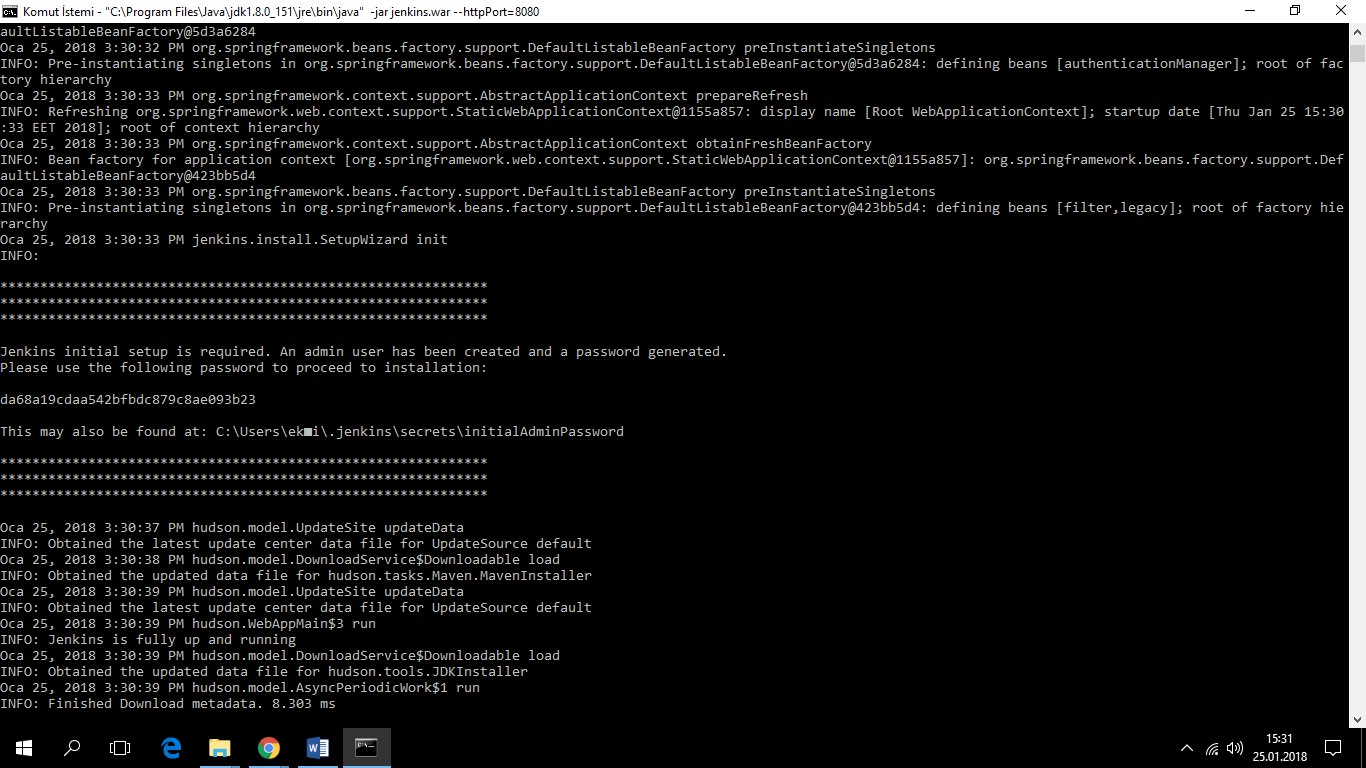


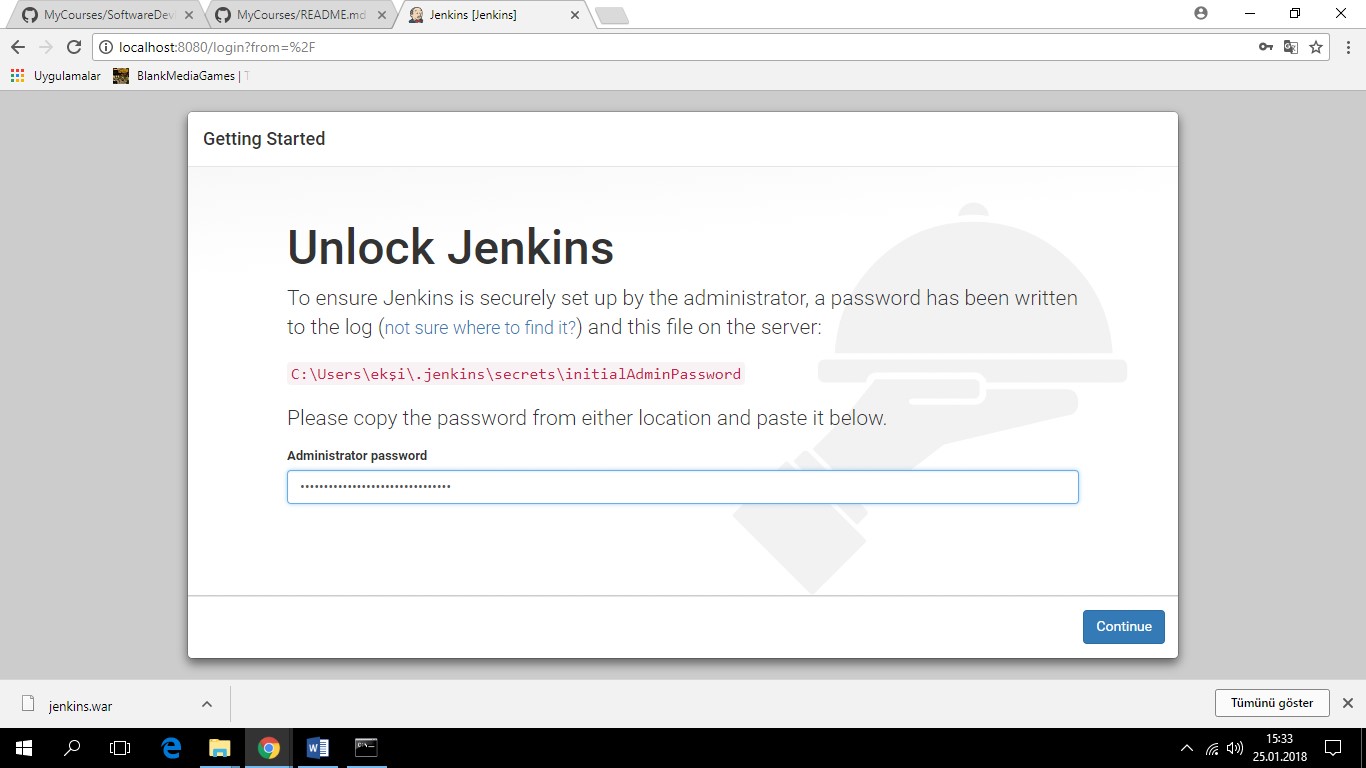
JENKINS

Jenkins.io adresinden indirdiğimiz war dosyasını komut ekranından şu şekilde açıyoruz:

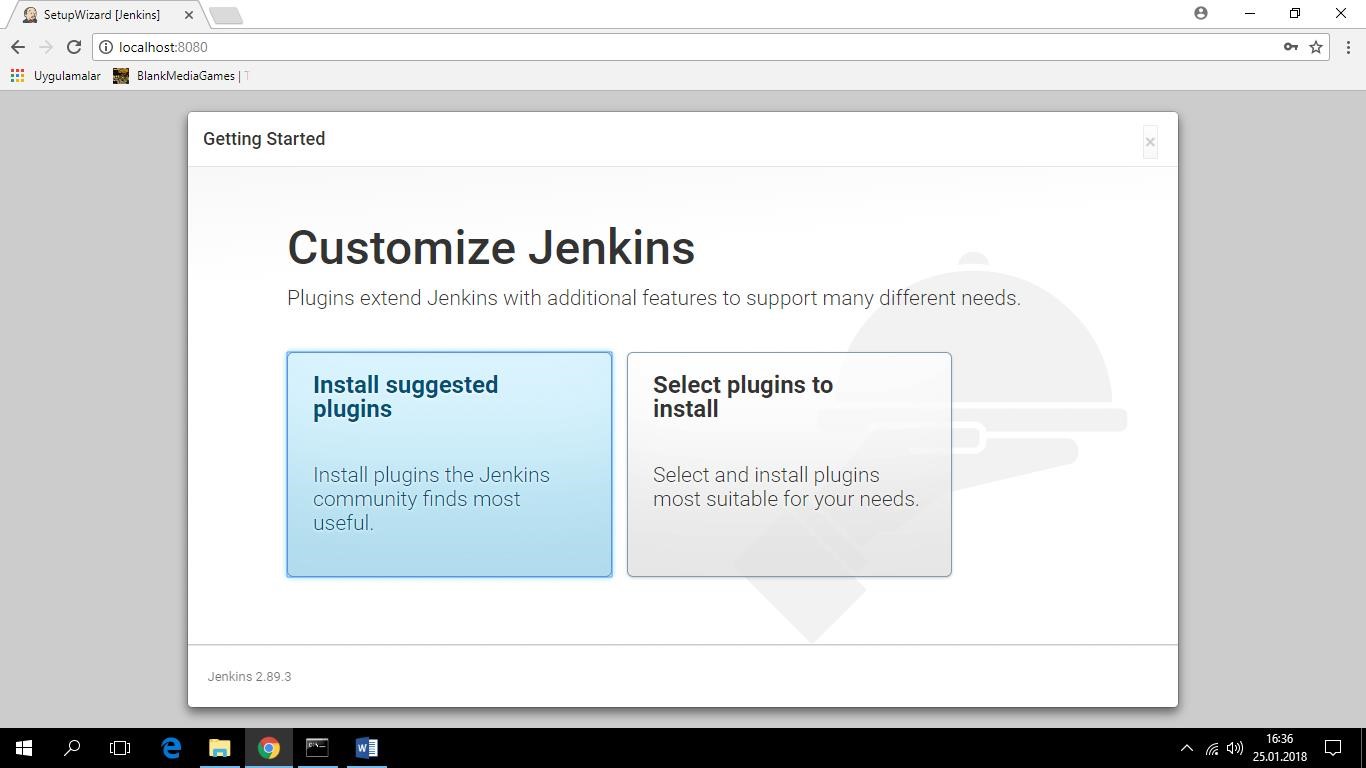


Jenkins kullanıma hazır, verilen şifreyi kopyalıyoruz.

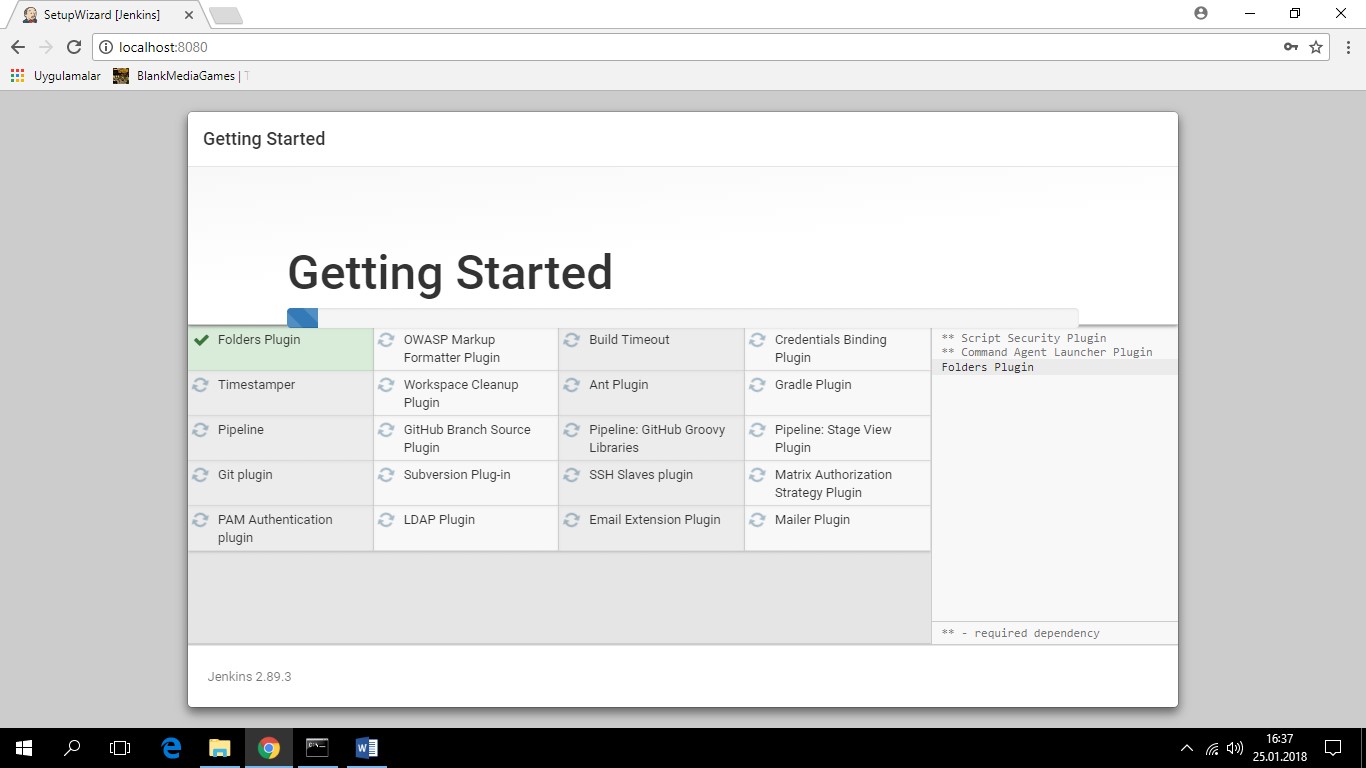




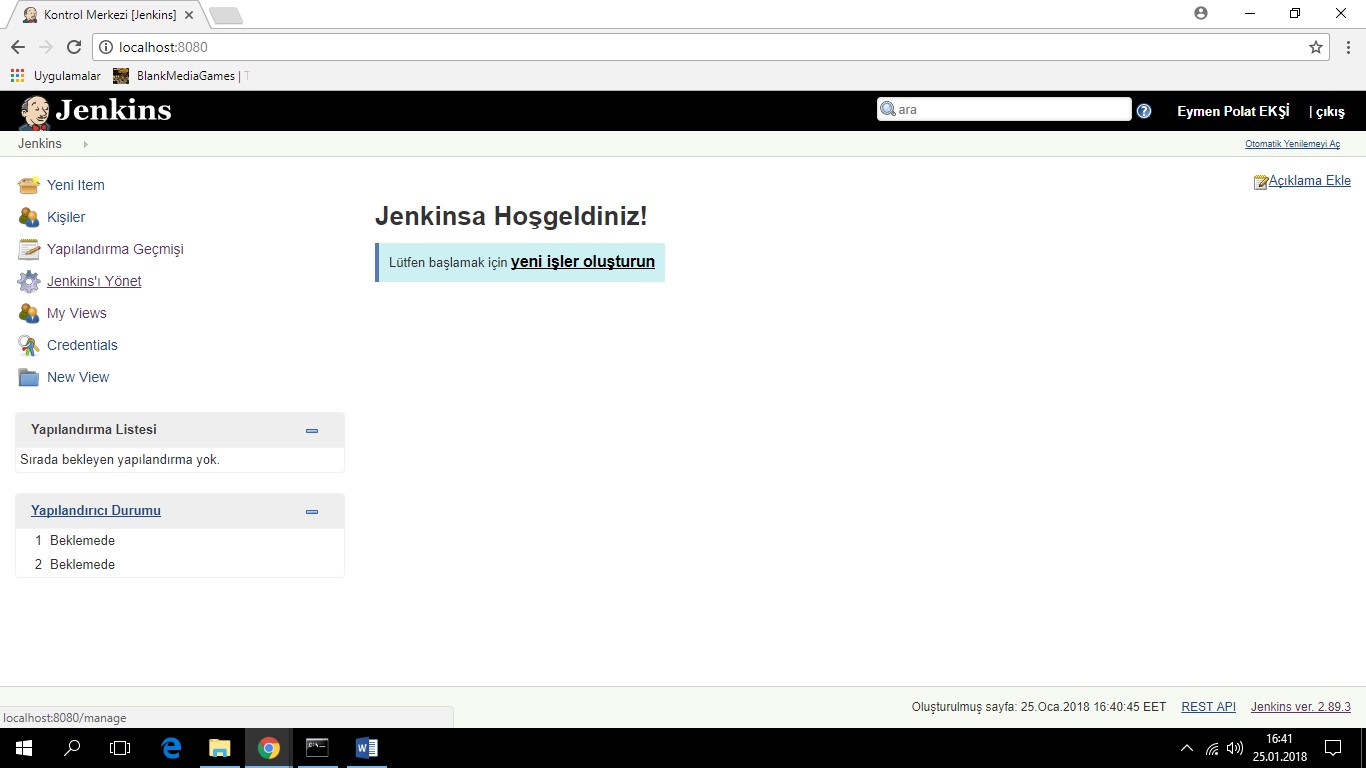
Önerilen pluginleri seçiyoruz.



Plugin’lerin yüklenmesi:

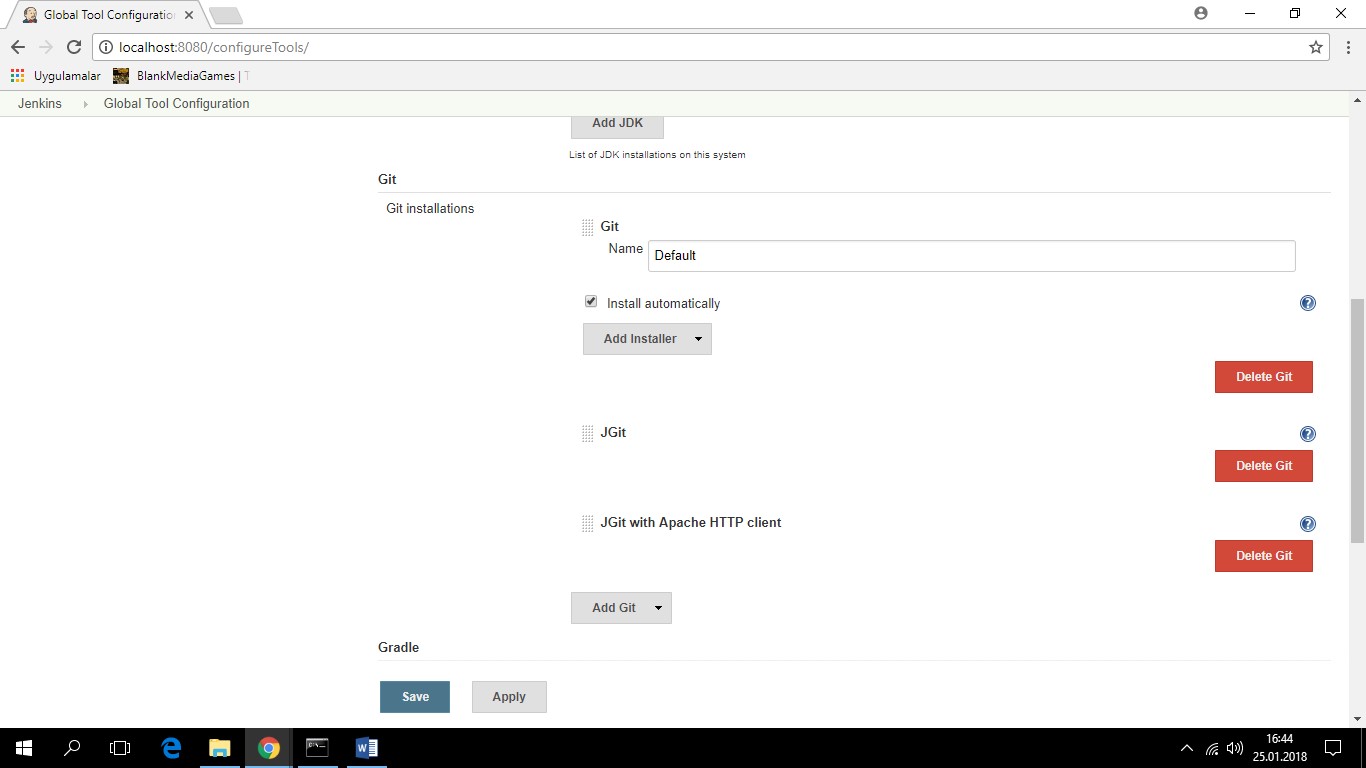
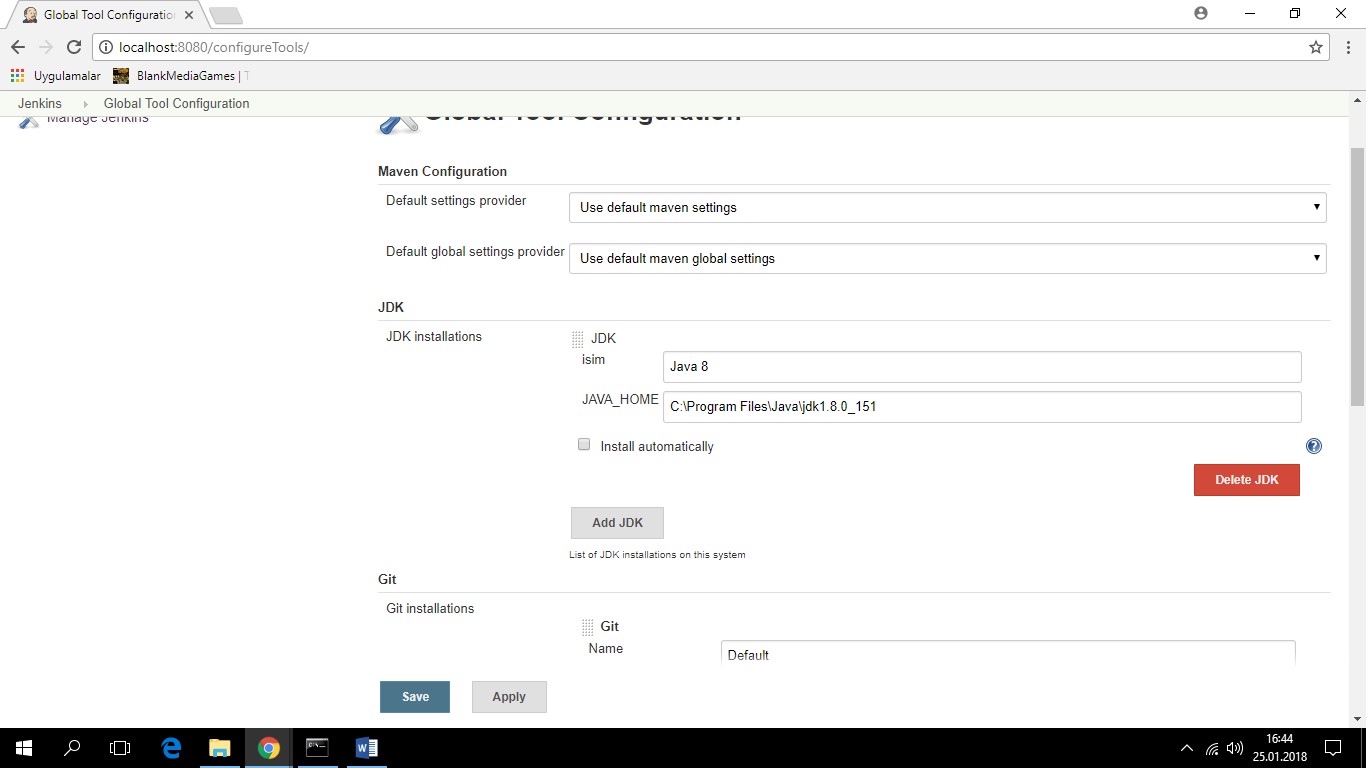


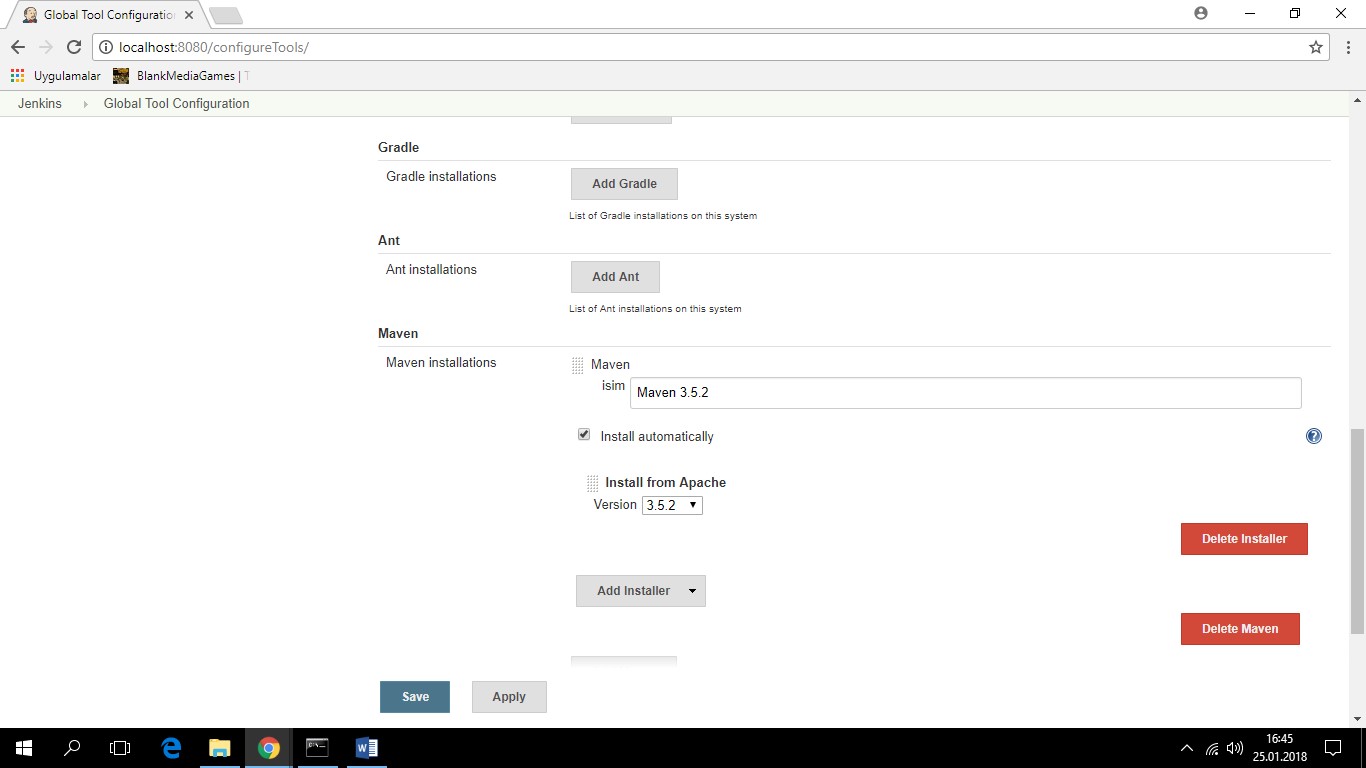
Kullanıcı oluşturulur:



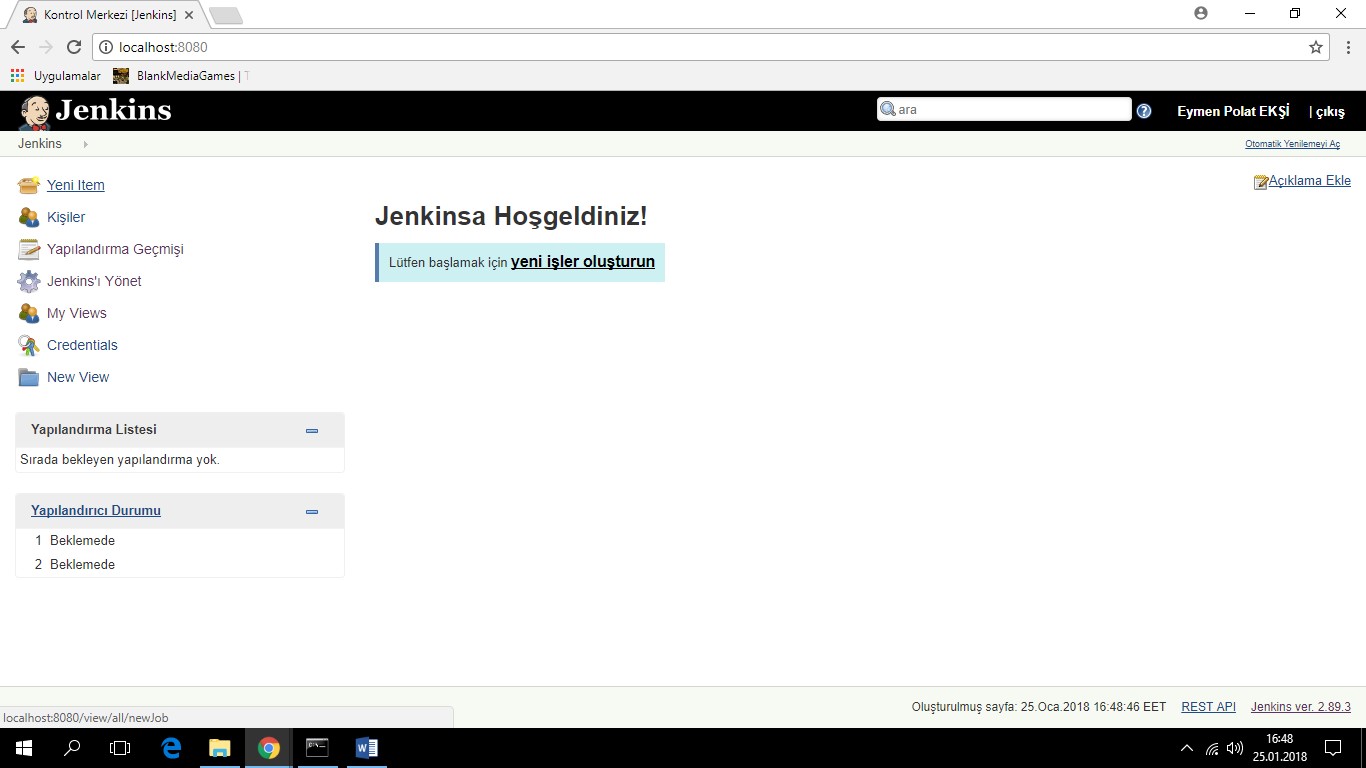
Global Tool Configuration’dan JDK, Maven ve Git ayarları yapılır :

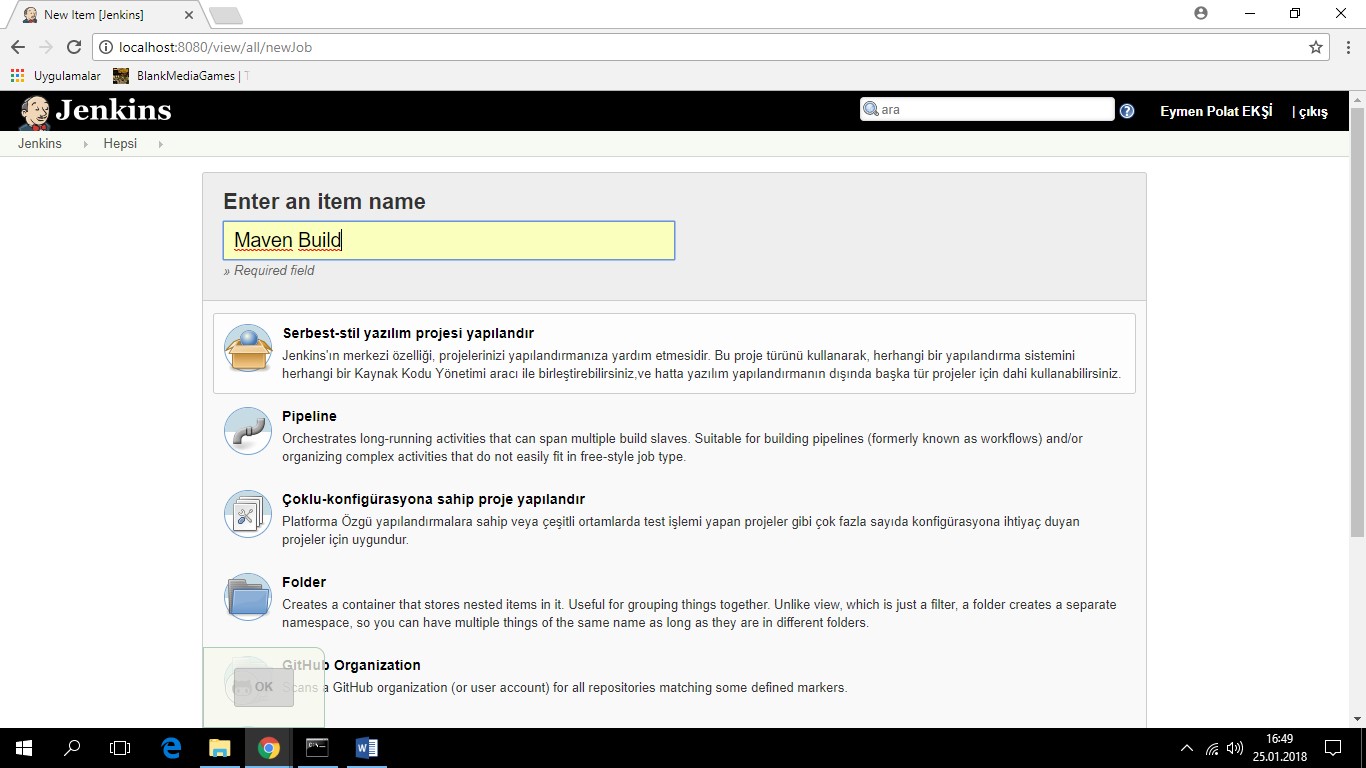




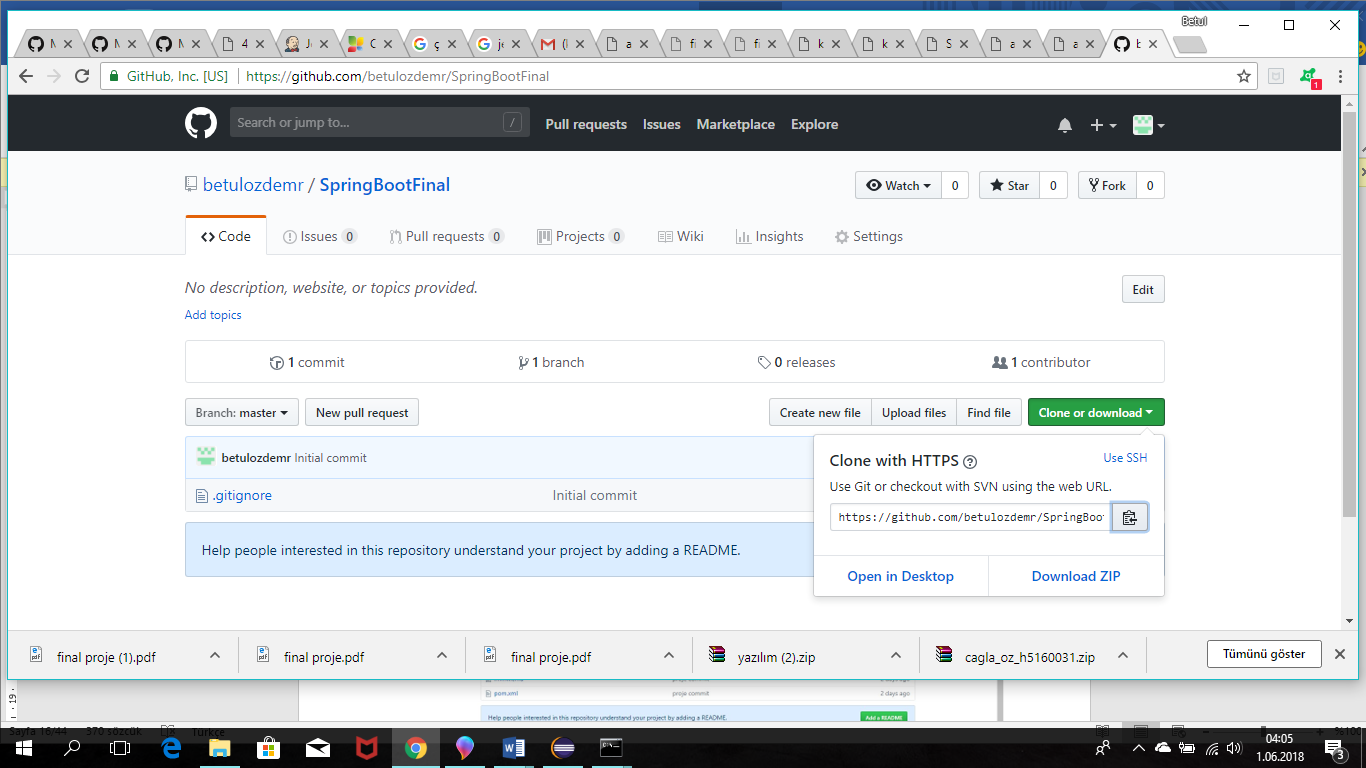


Ardından kaydedilir.Şimdi, projeyi derlemek için:

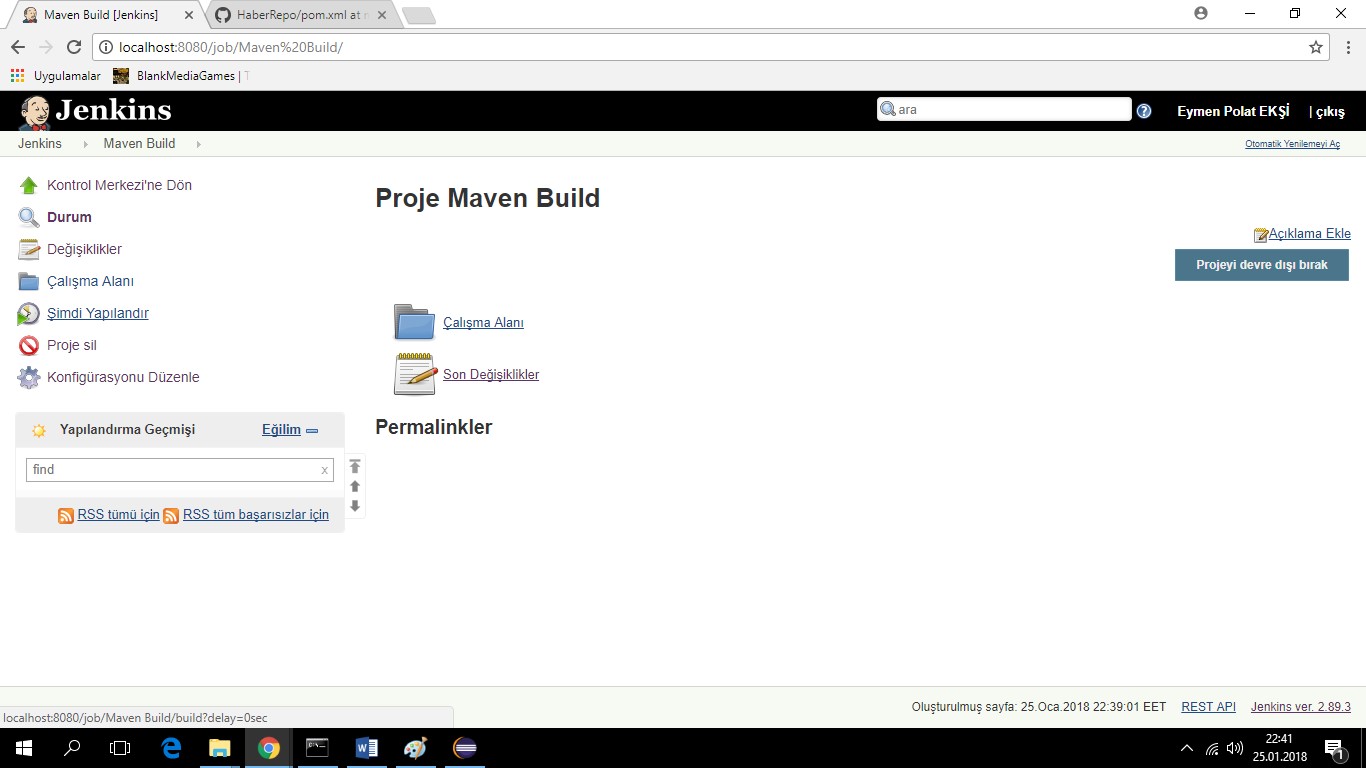




Github repository linki kopyalanır.

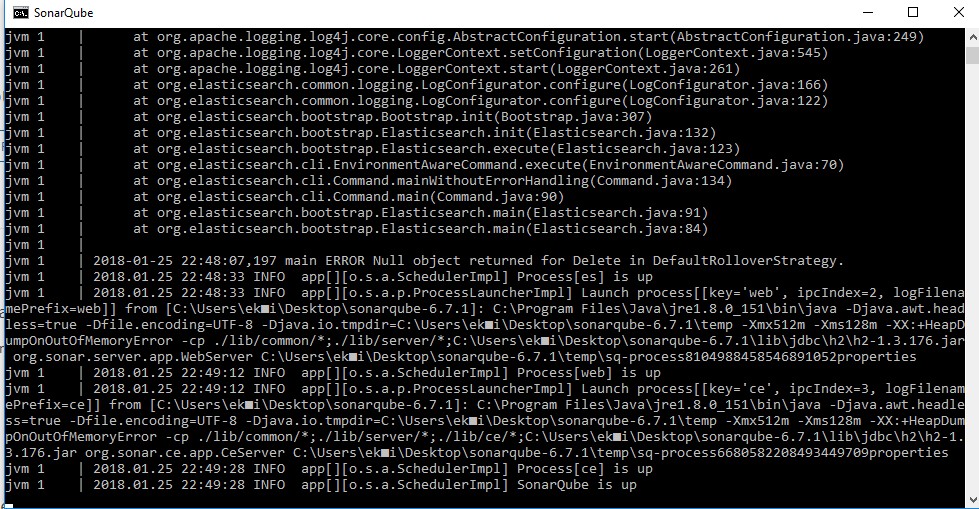


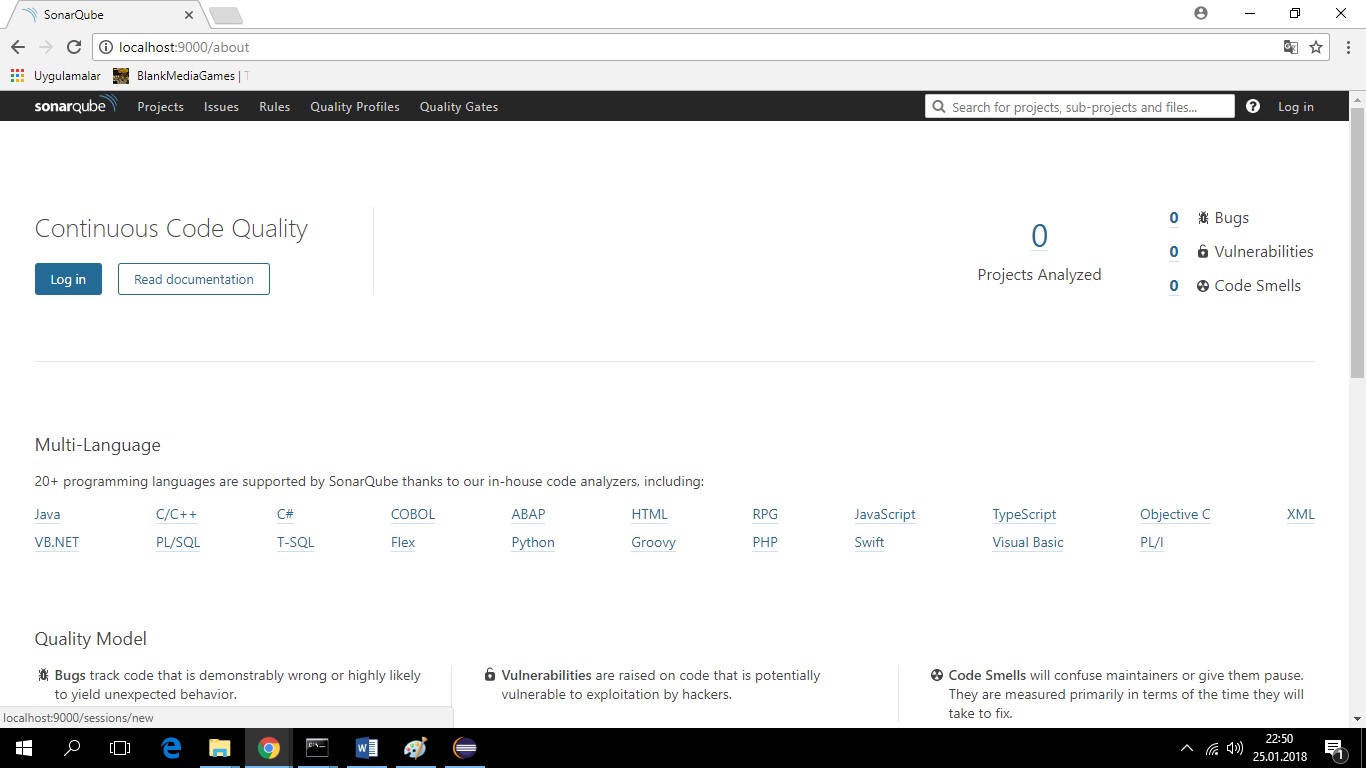
Ayarlamalardan sonra, şimdi yapılandır seçilir.



SonarQube

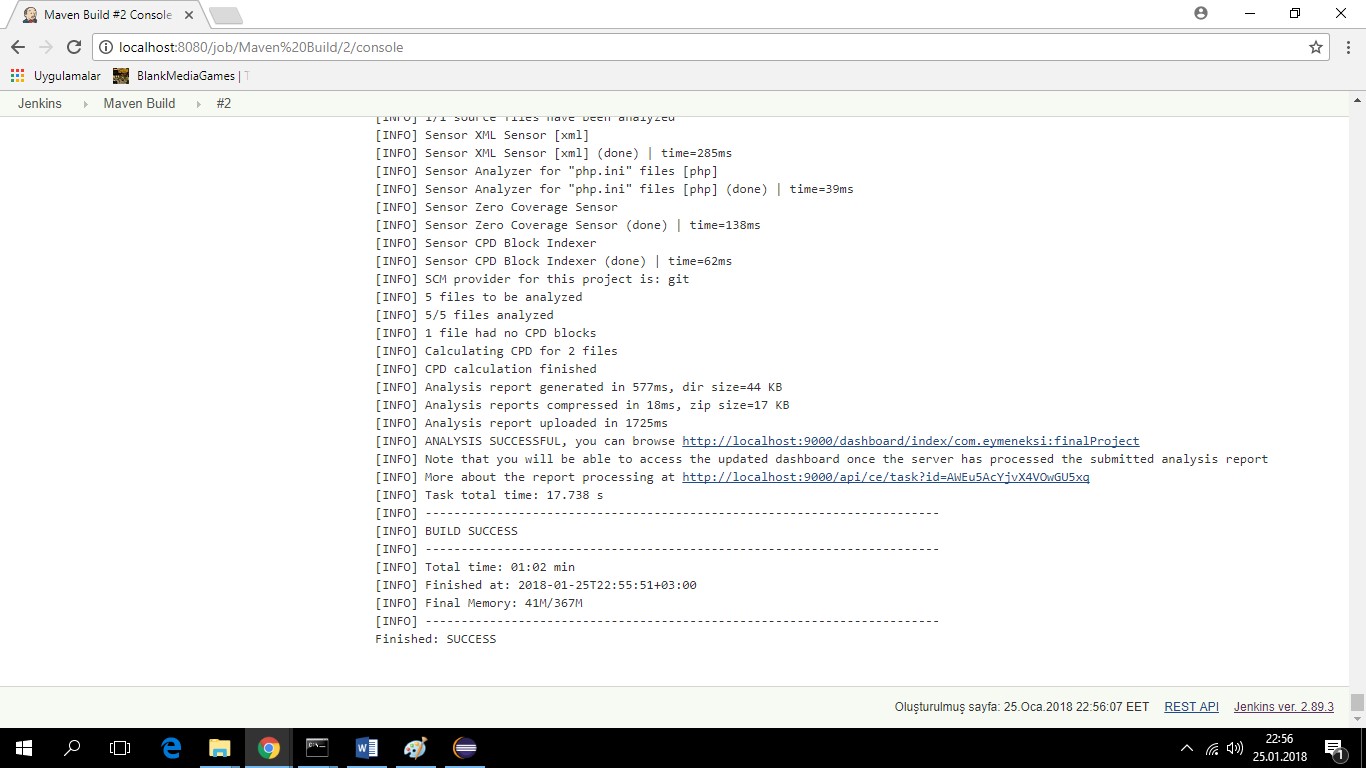
Kodlarımızı analiz edip kalitesini artırmamıza yardımcı olan araç SonarQube’un kullanımı:



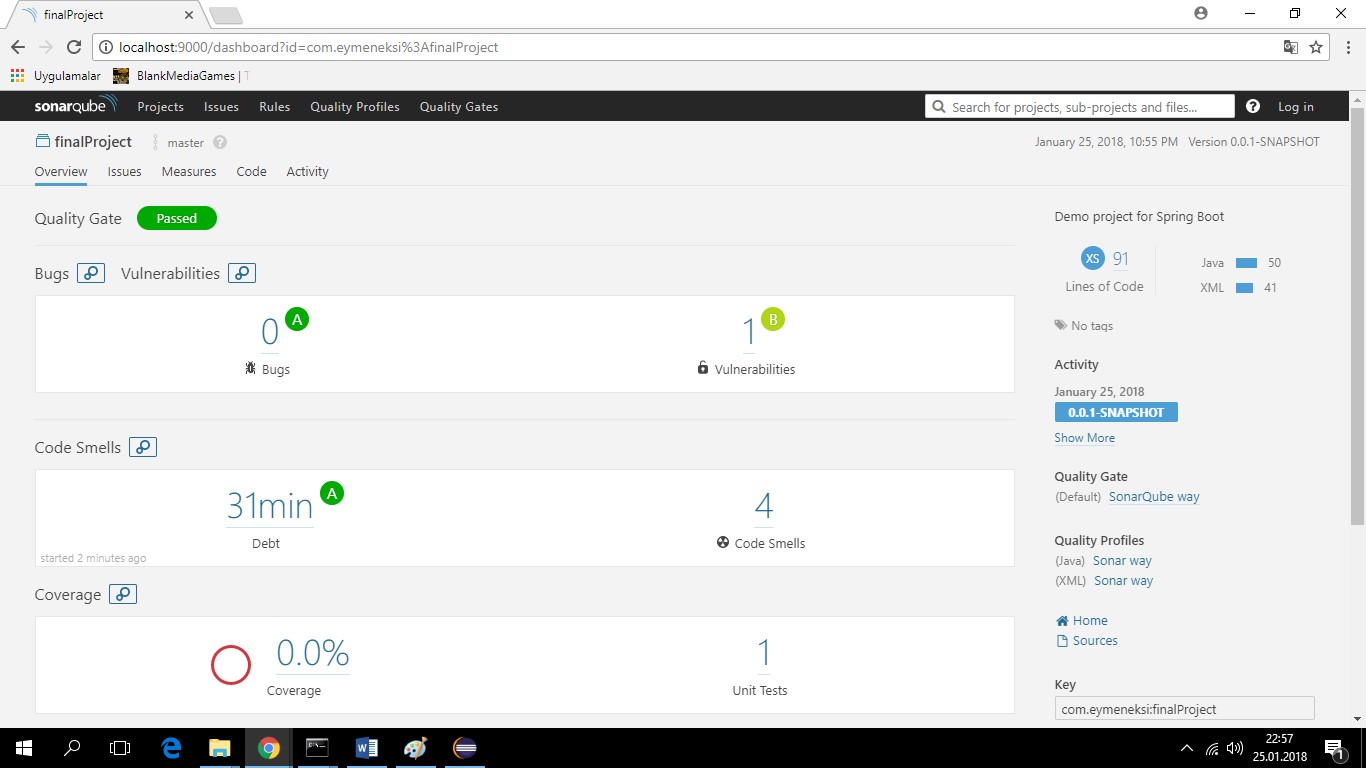


SonarQube’dan Jenkins’i bağlamak için:



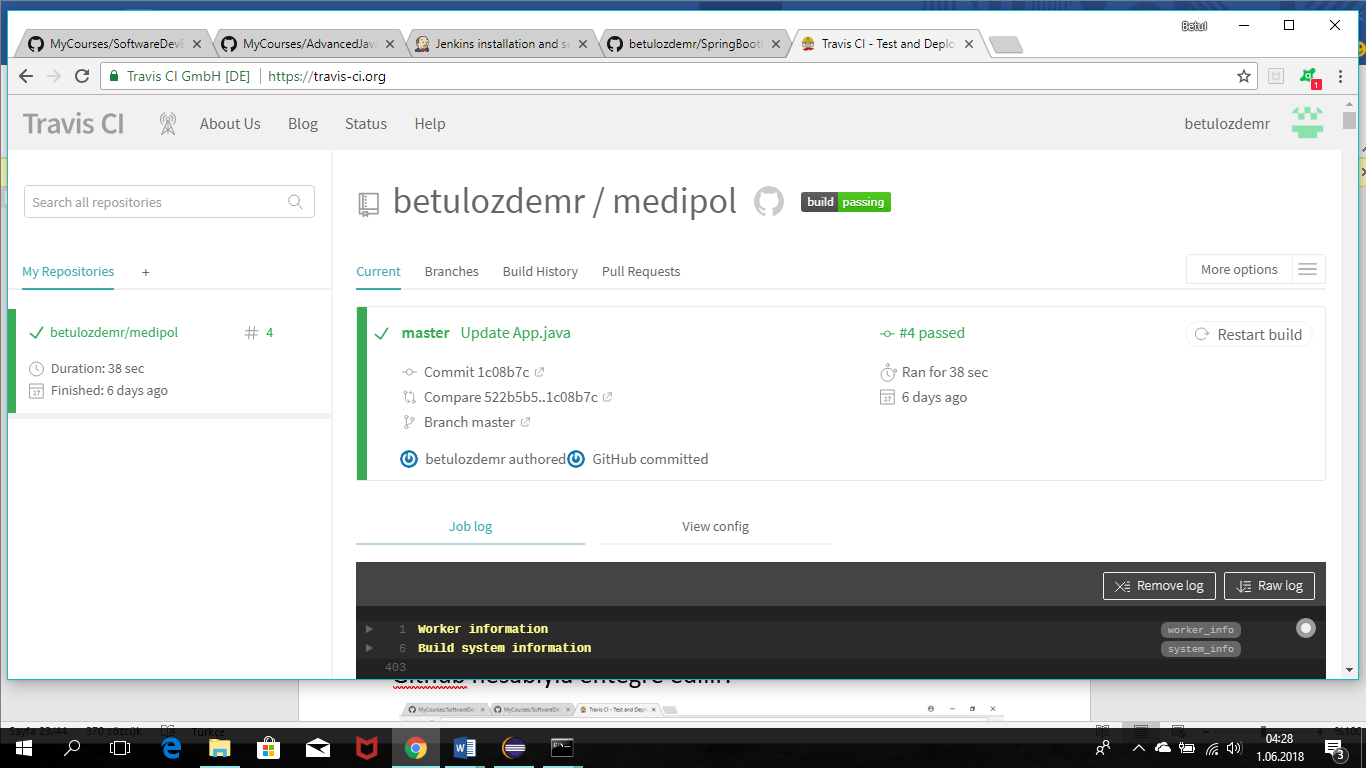


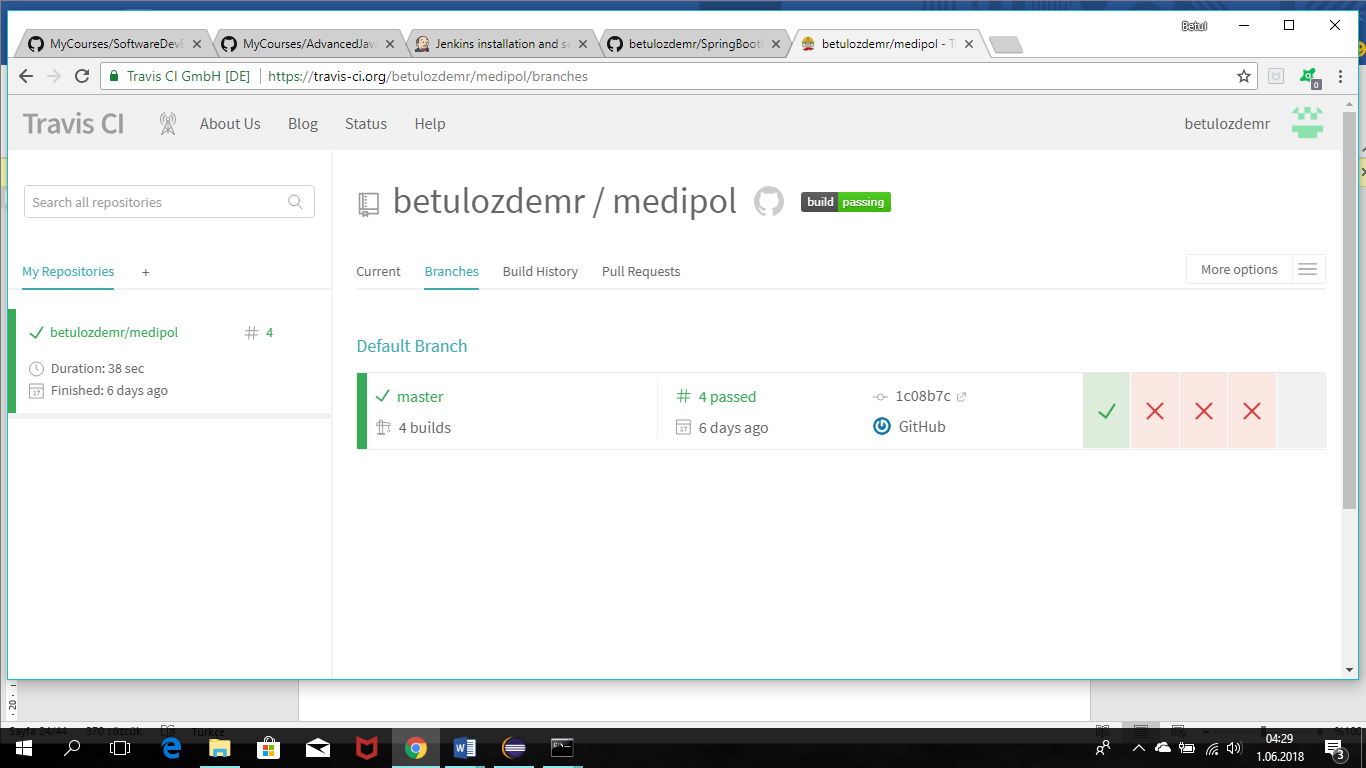
Başarıyla analiz edildi. Konsolda verilen SonarQube linkine tıklayarak bakılabilir:



TRAVIS CI

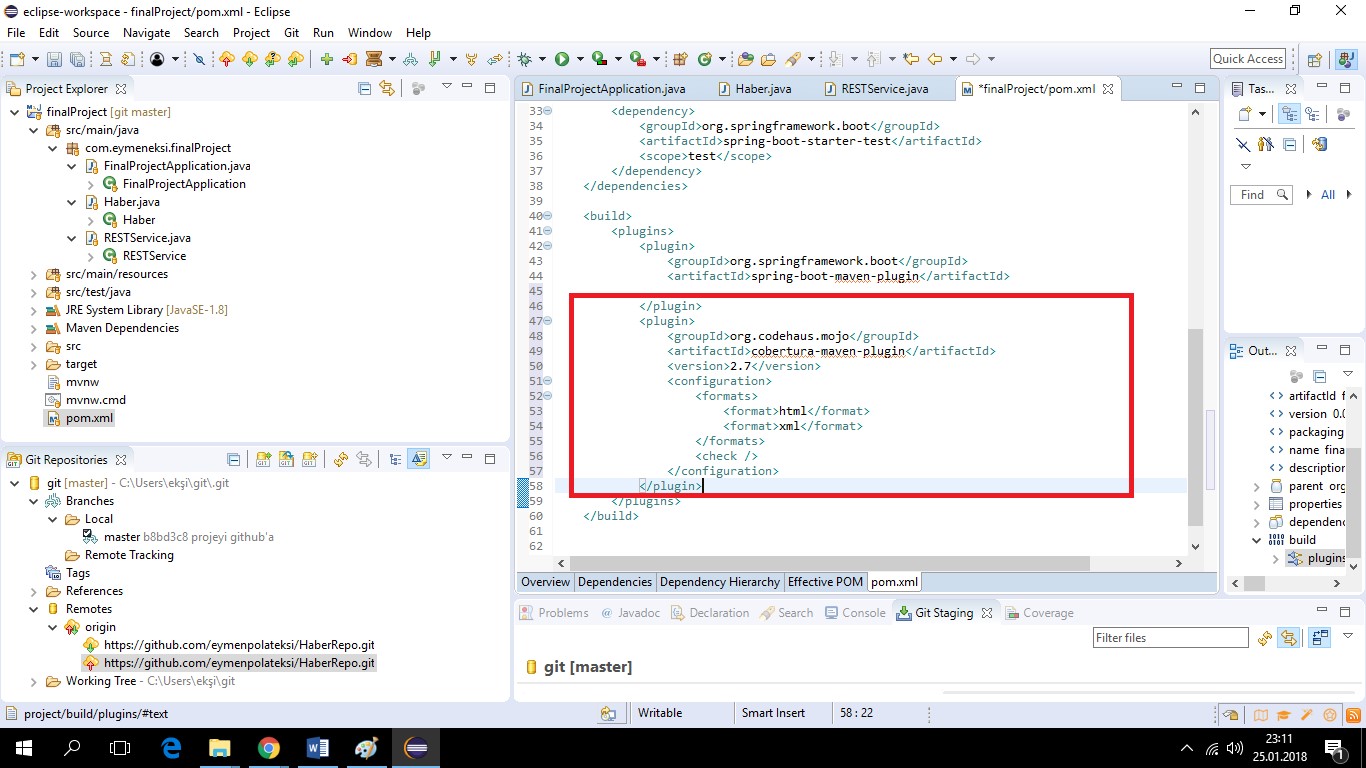
Travis CI’da projeyi build etmek projemizin bulunduğu Github hesabıyla entegre edilir.





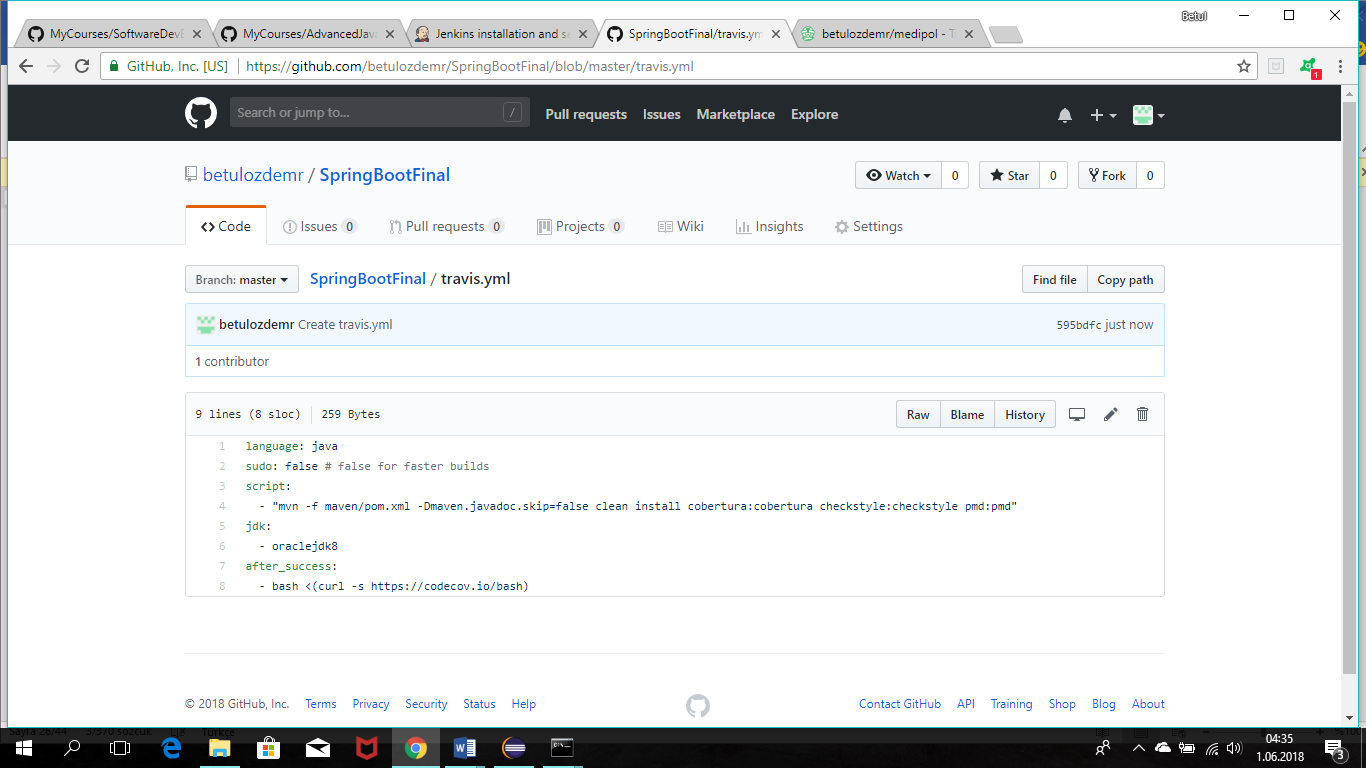
Repository’mizin erişime açılması gerekiyor.

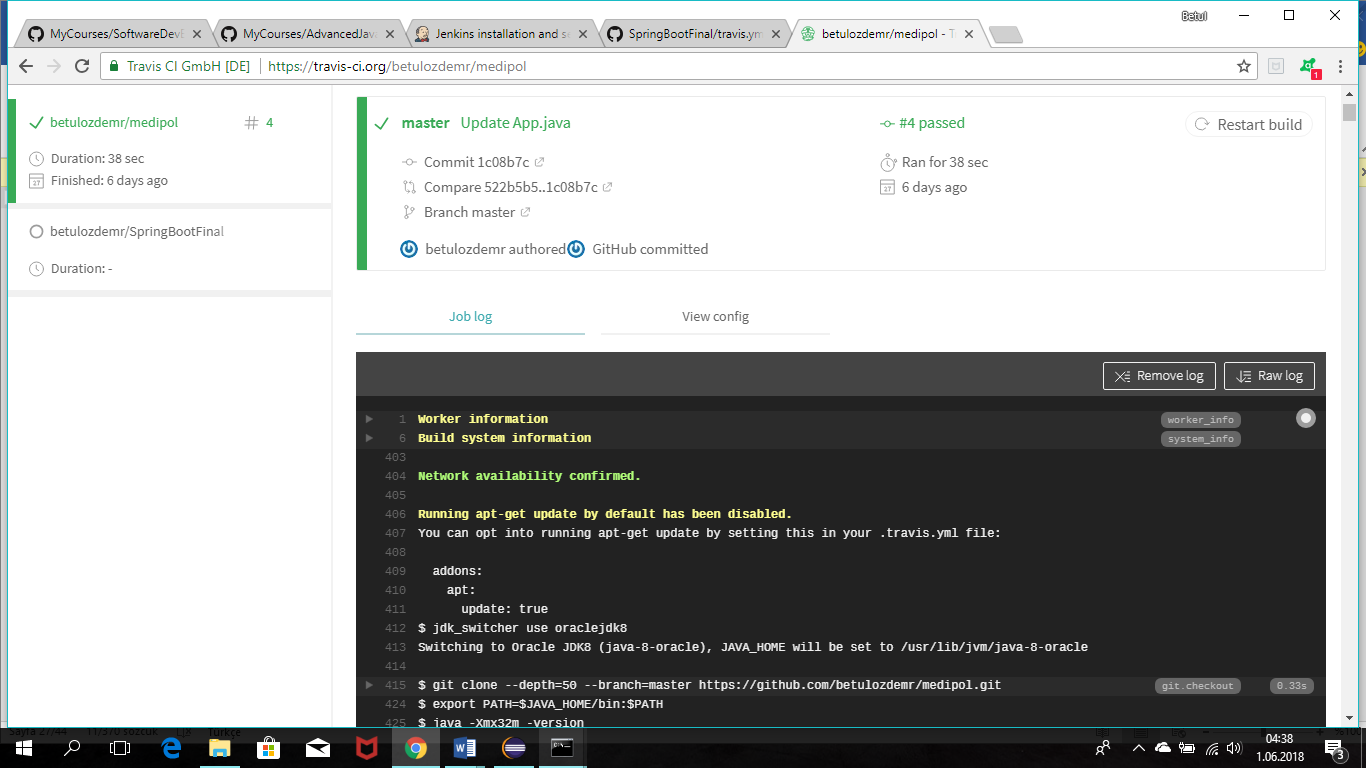
Daha sonra, projemizdeki pom.xml dosyasına aşağıdaki plugin’leri ekliyoruz:



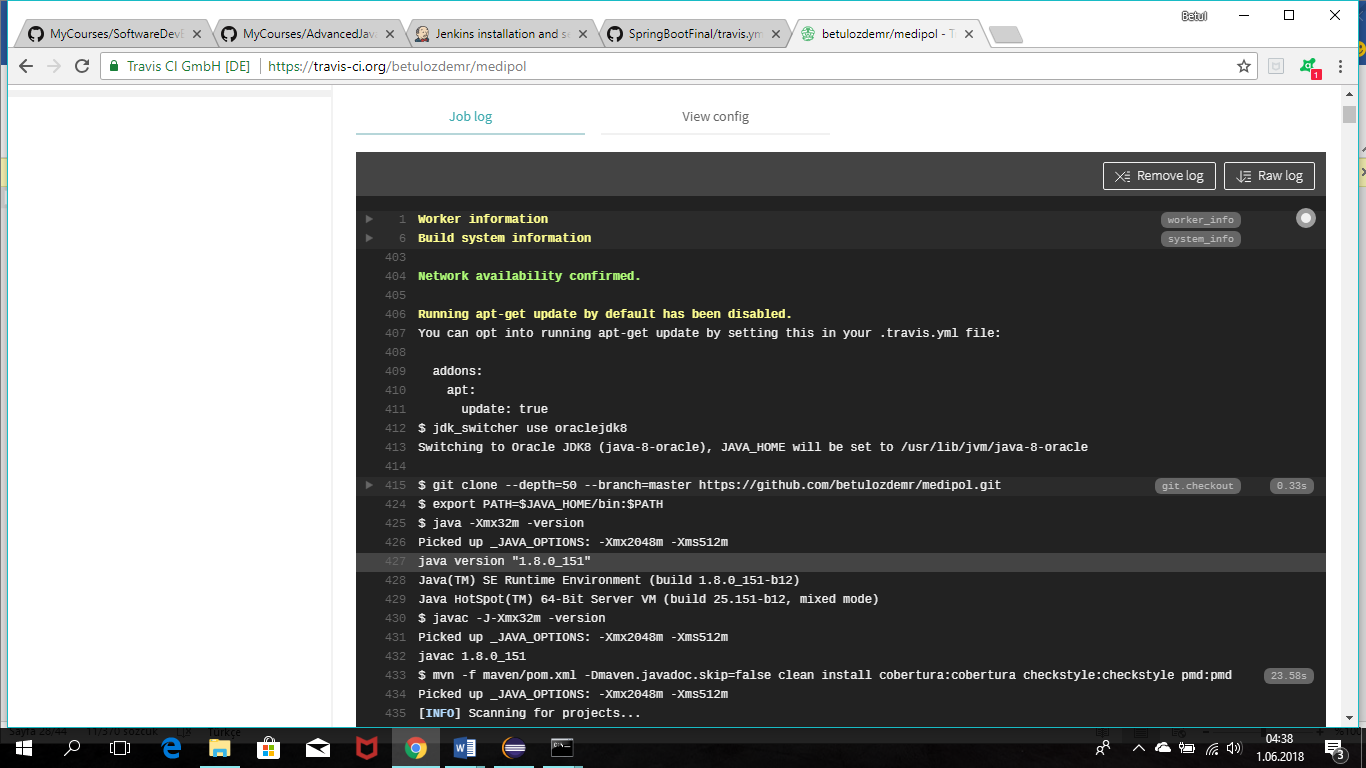
Ve Github’a commitliyoruz:

Travis’de projemizi build edebilmek için; projemize Github’da bir “travis.yml” dosyası ekliyoruz:





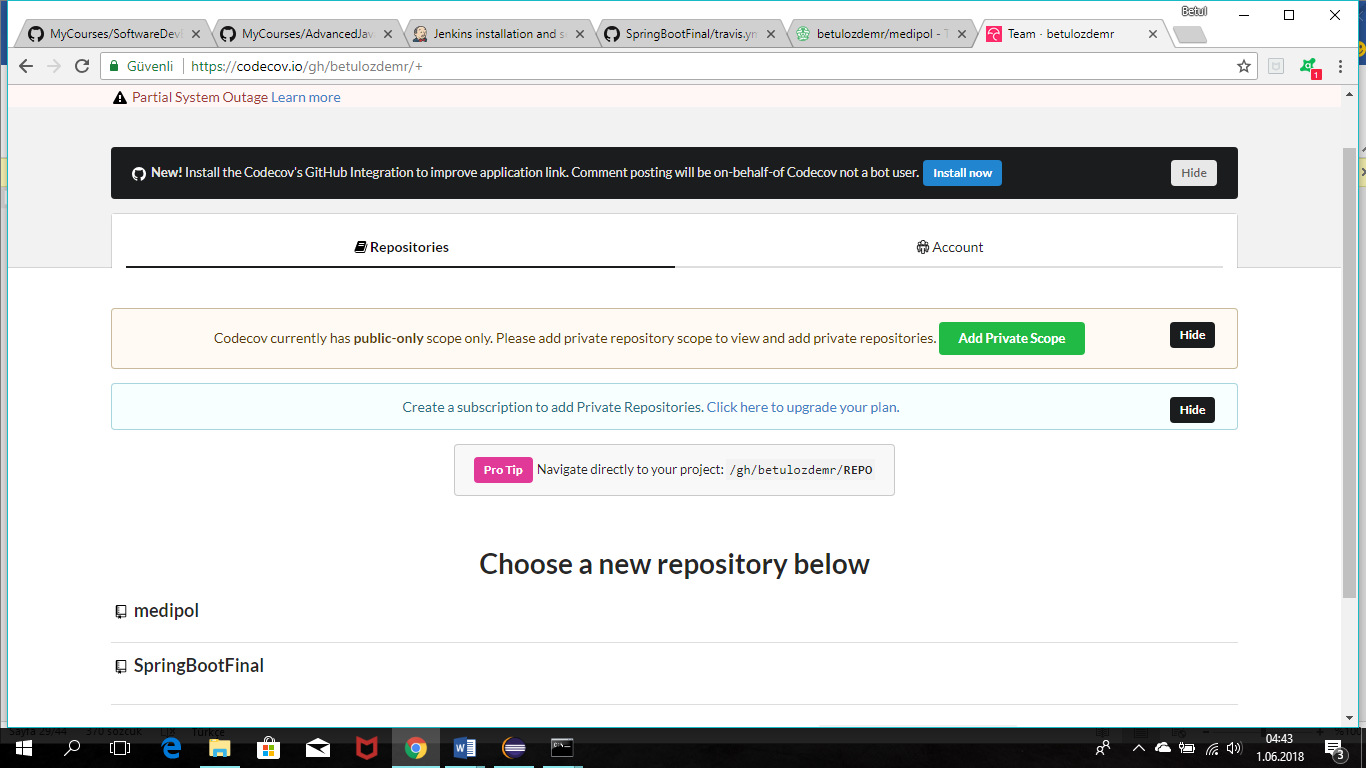
Ve proje kendiliğinden Travis CI’da build ediliyor.



Ve proje başarıyla build edildi:

CODECOV.IO

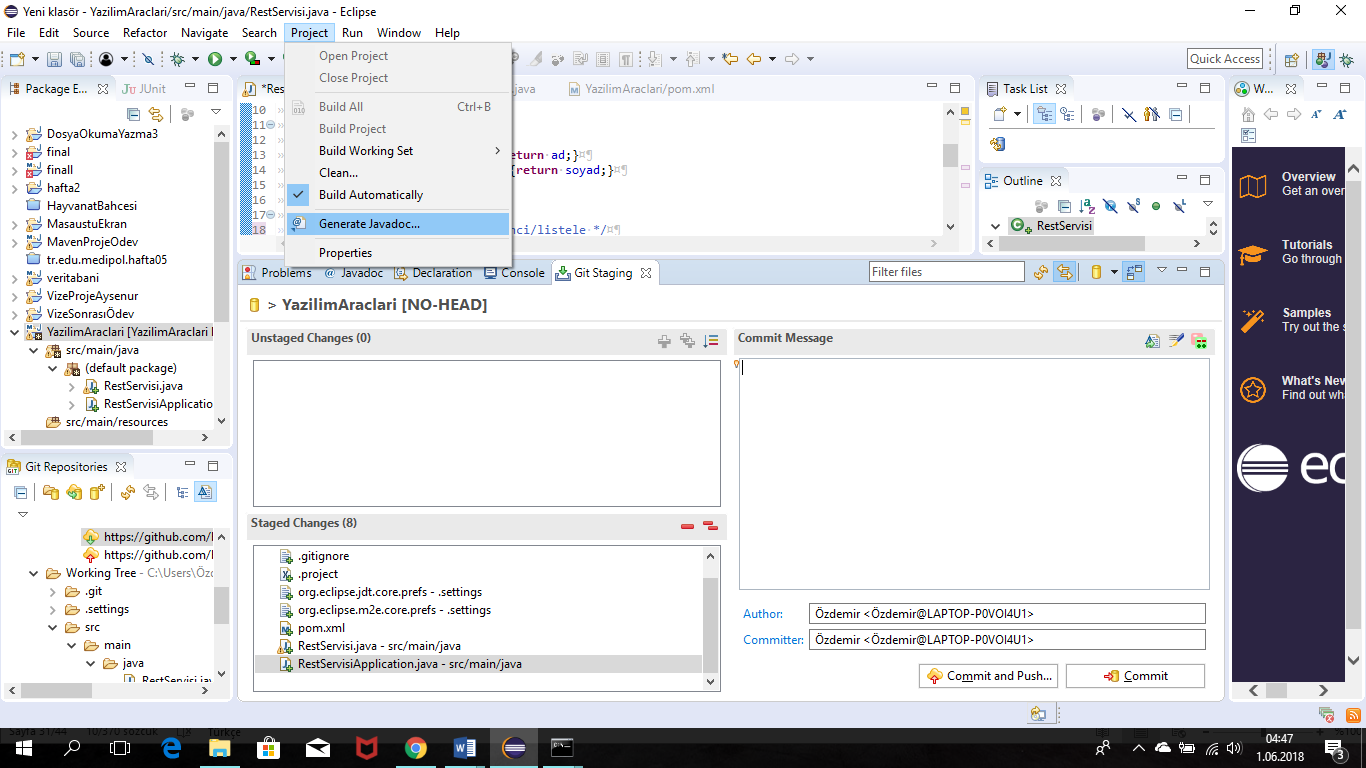
Codecov.io sitesine gidip, Github hesabıyla giriş yapılır. Alakalı repository seçilir:

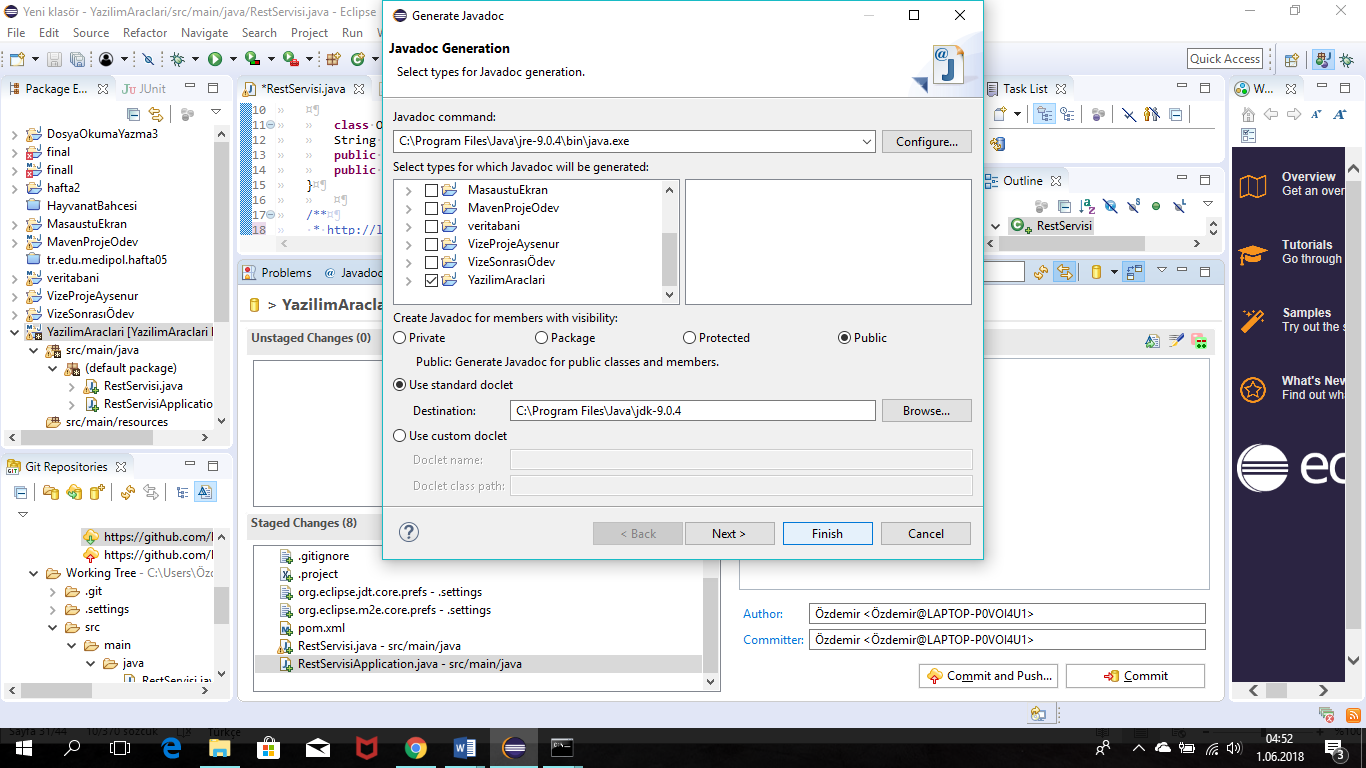


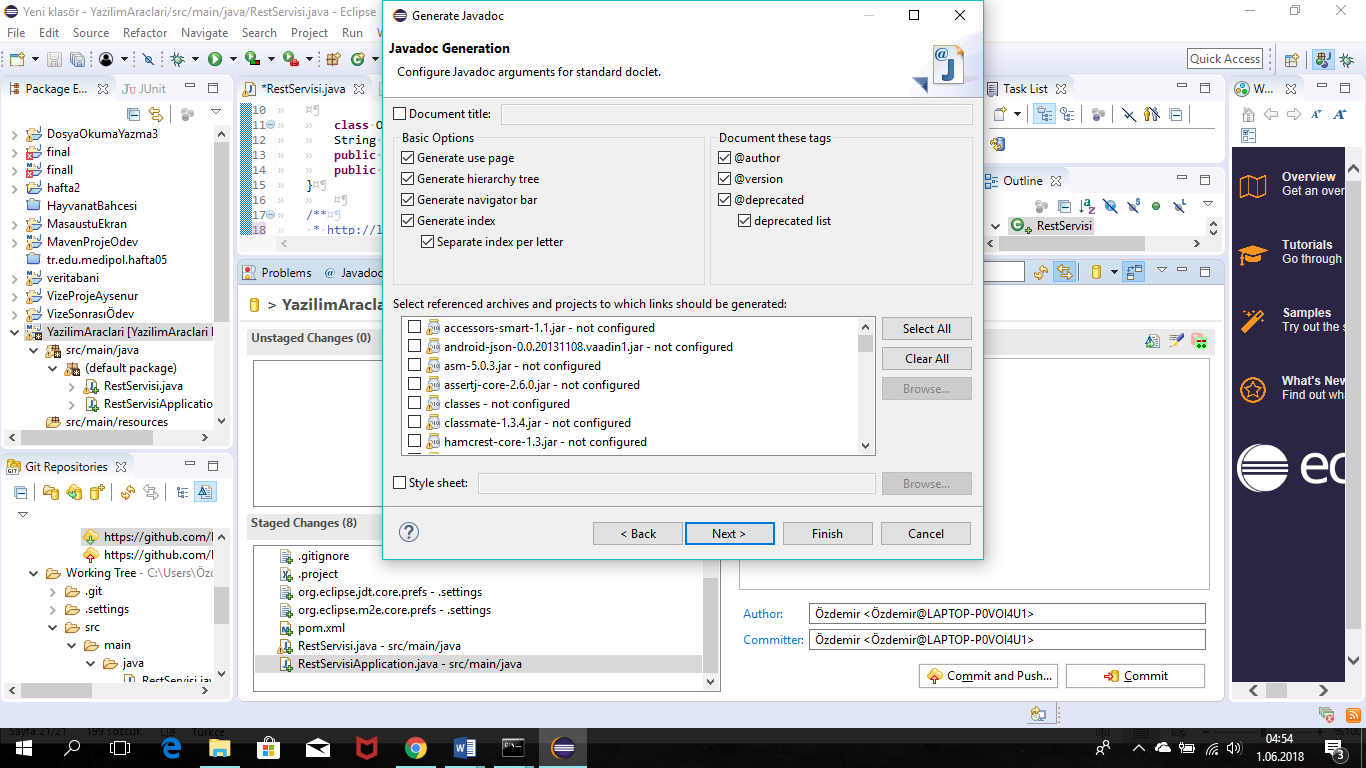
JAVADOC

Javadoc dökümanları, kodu okumamızda kolaylık sağlar.

Javadoc oluşturmak için:



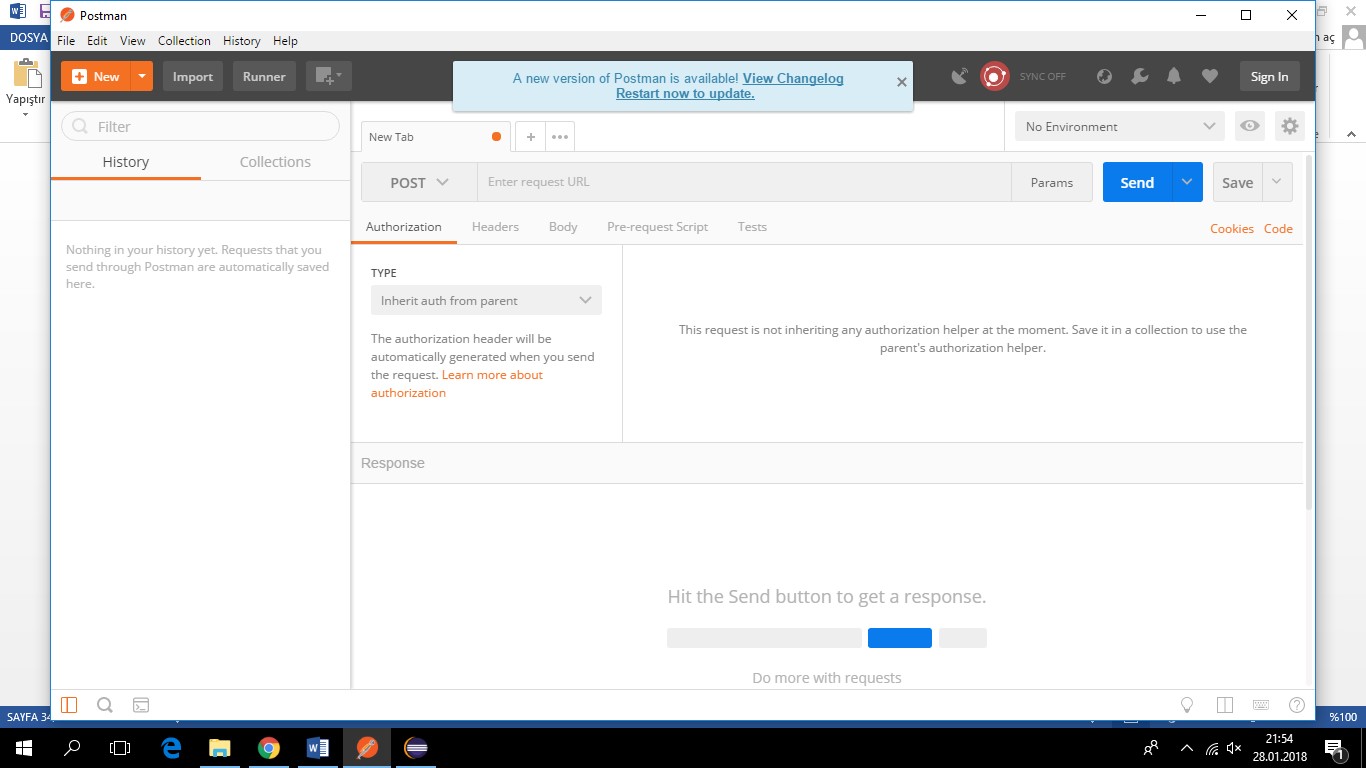




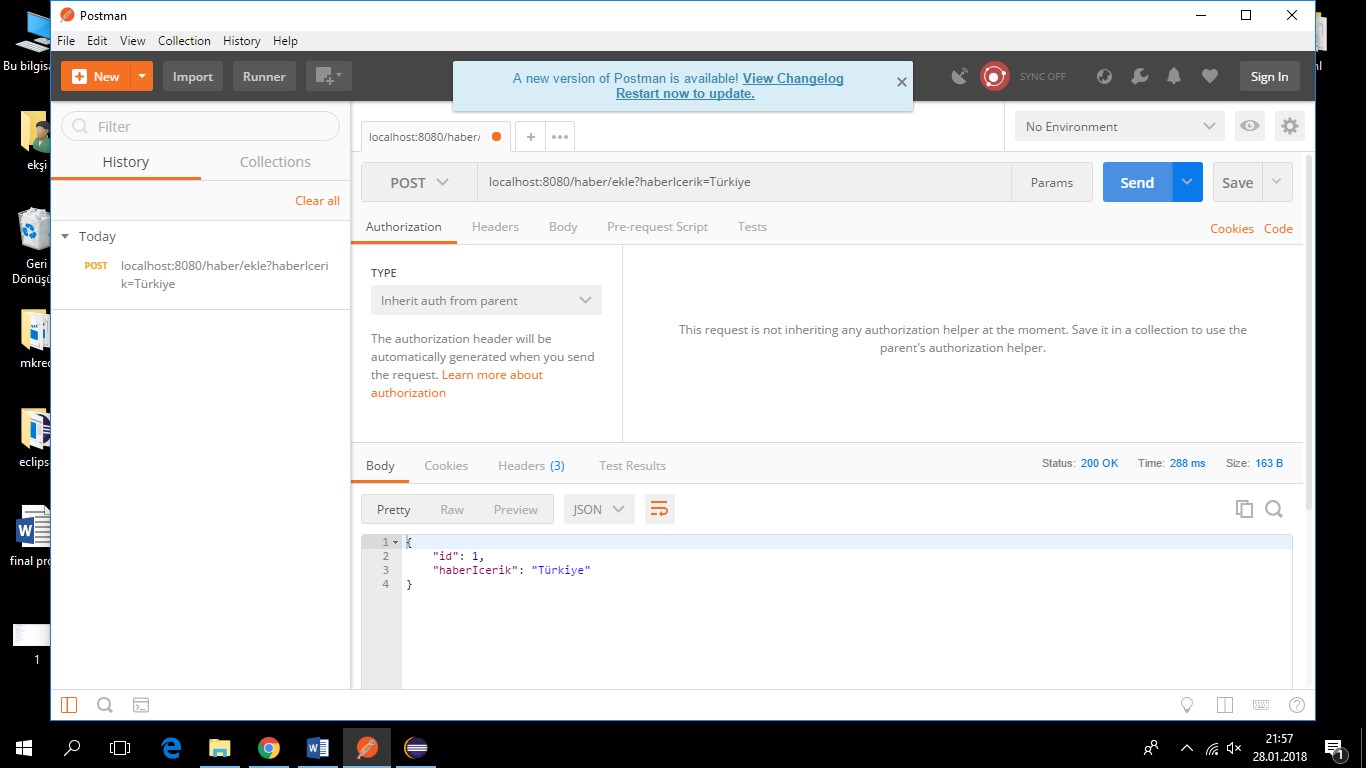
Finish dedikten sonra Javadoc, çalışmaya ve kaynak kodumuzu almaya başlar:

POSTMAN

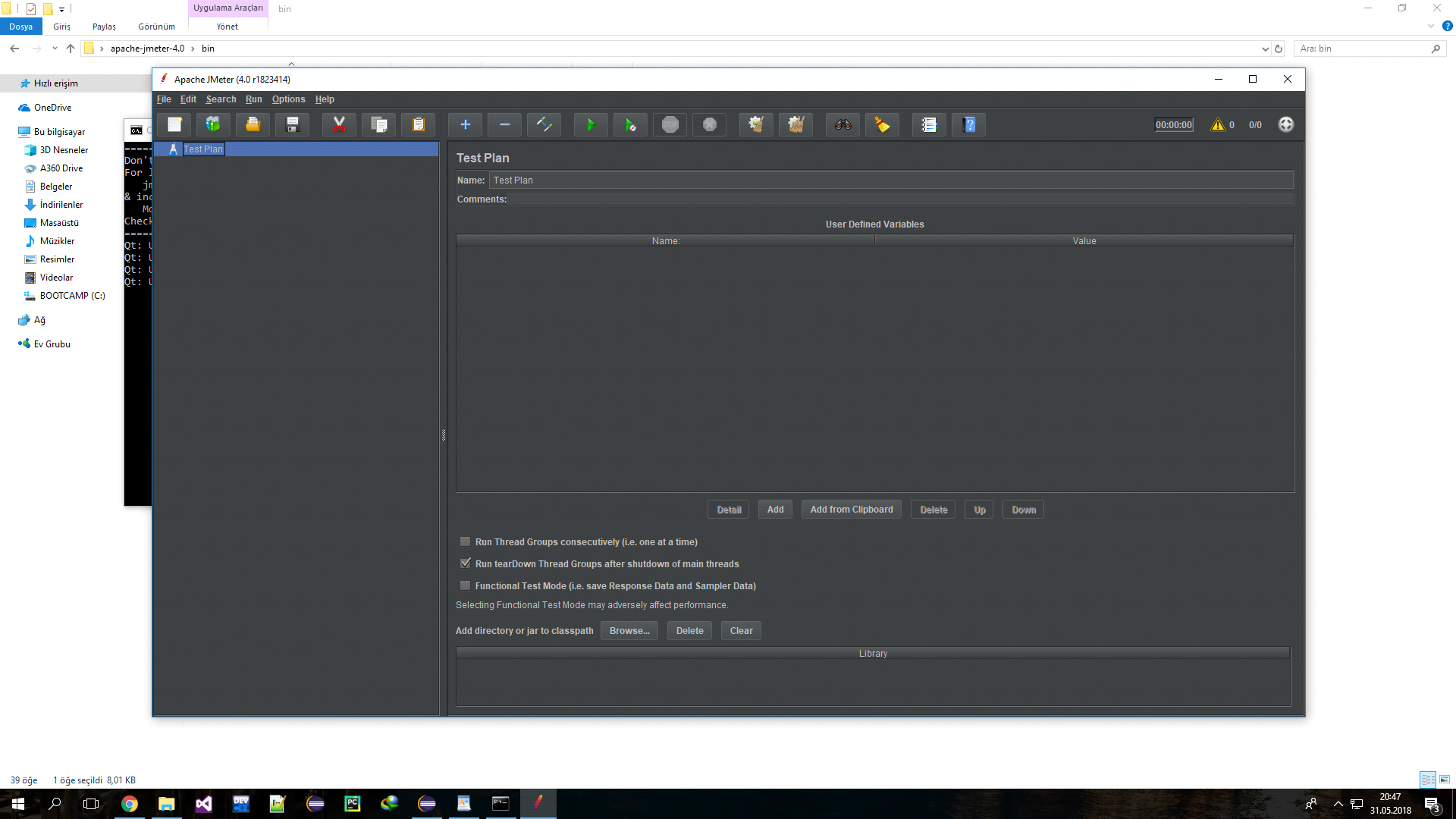
<https://www.getpostman.com/>adresinden indirilir.



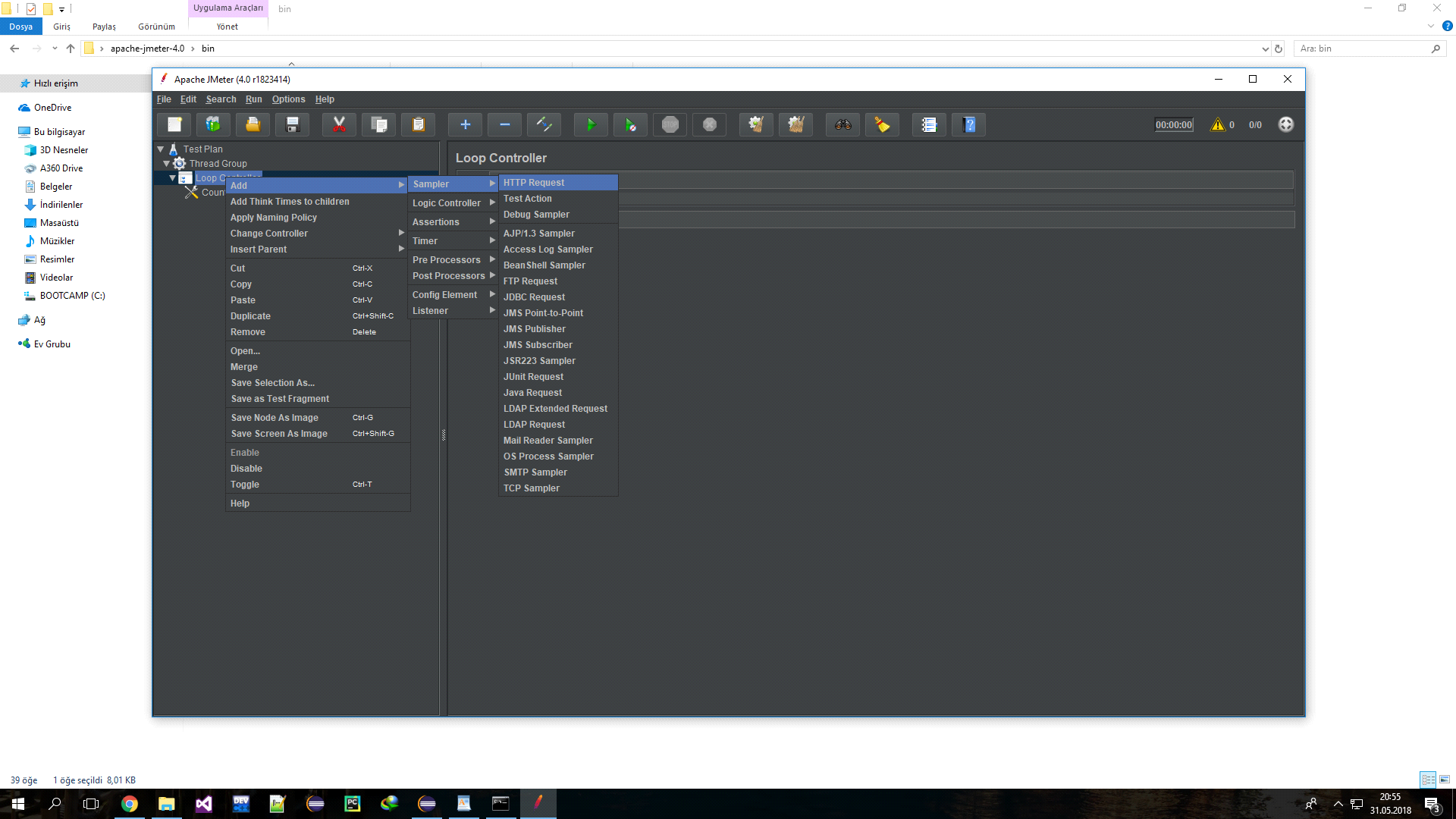
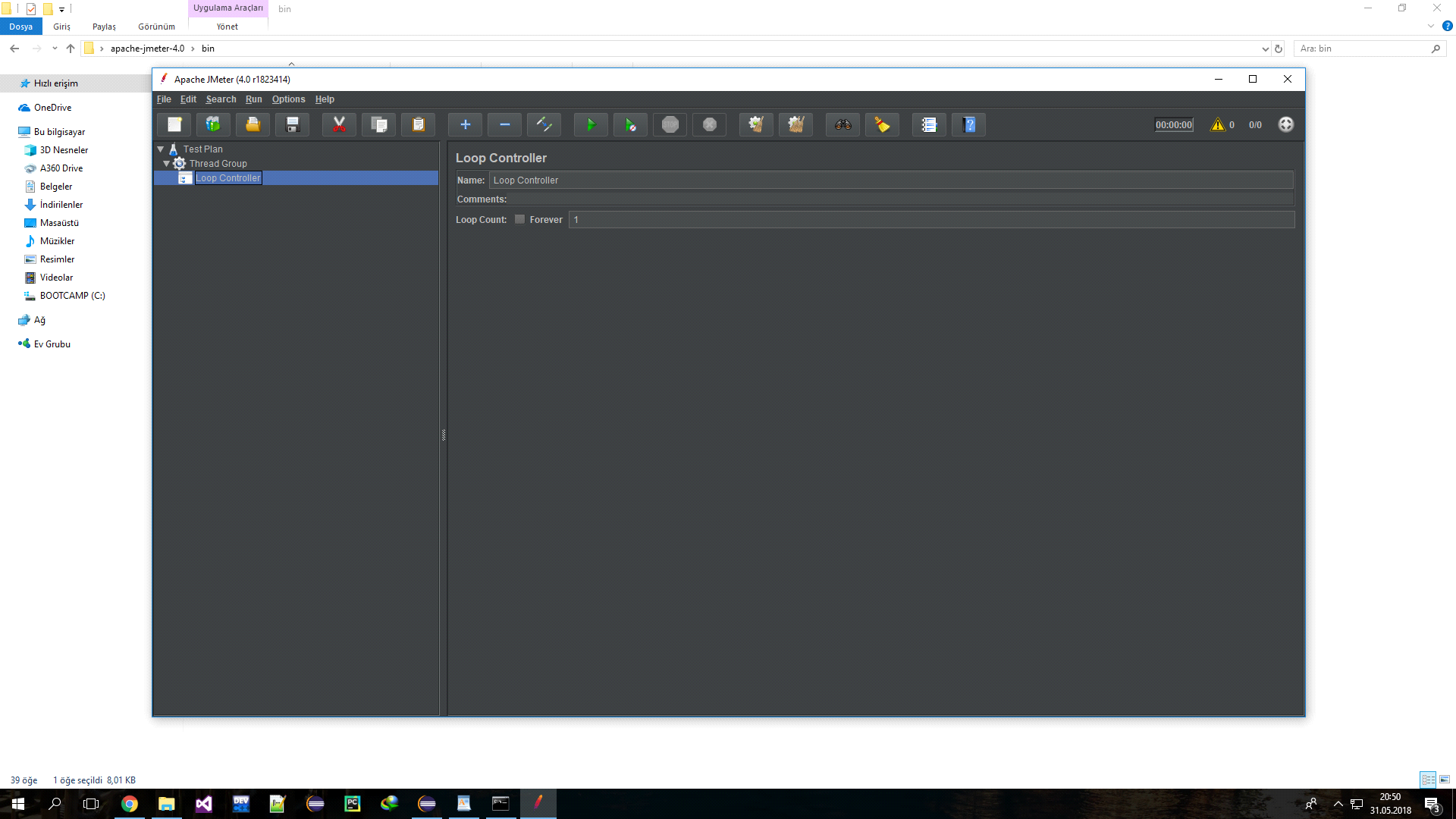
Post’u seçerek;ekle, listele metodları test edilecek.



JMETER







Test sonucu 