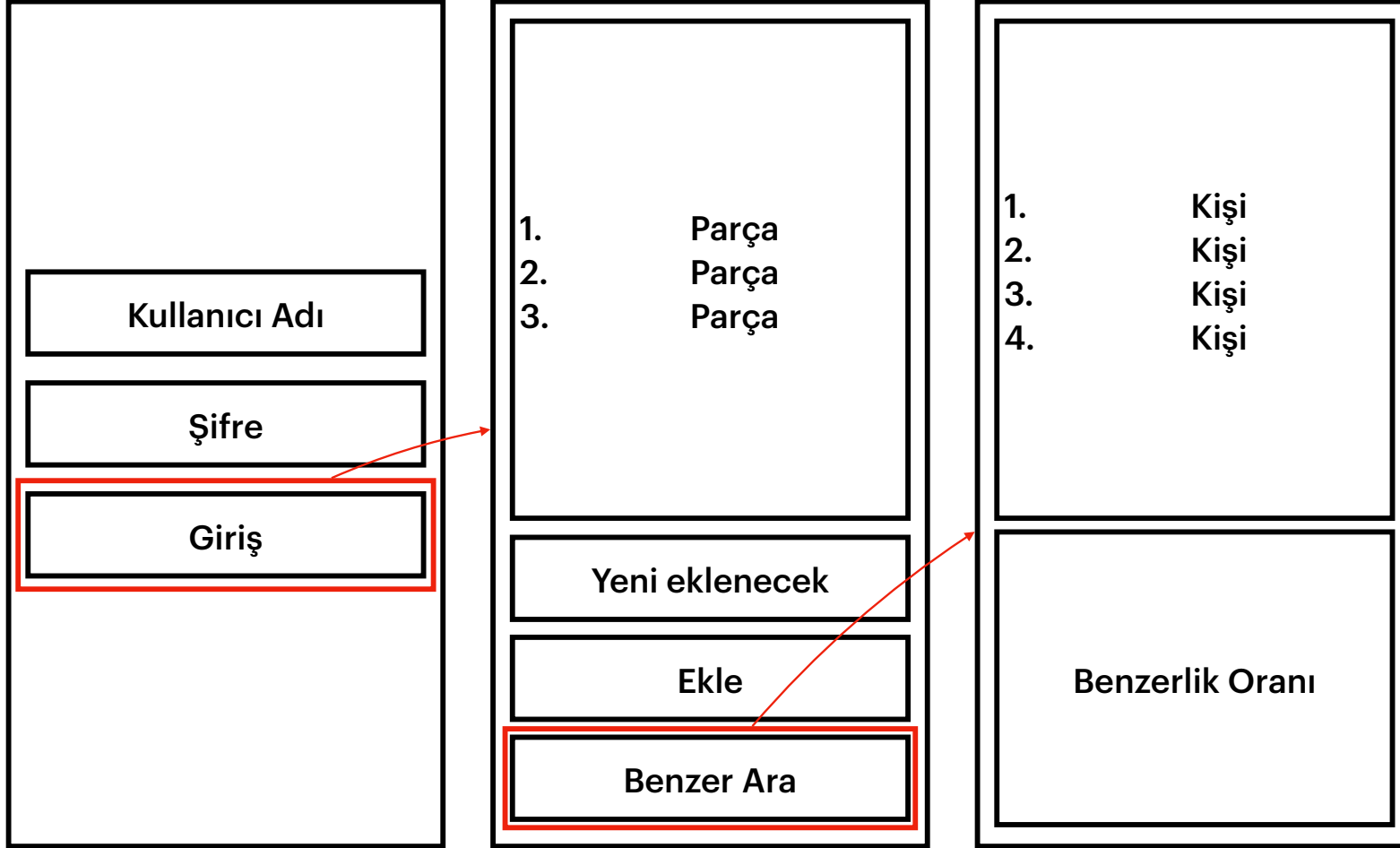


Görsel Programlama

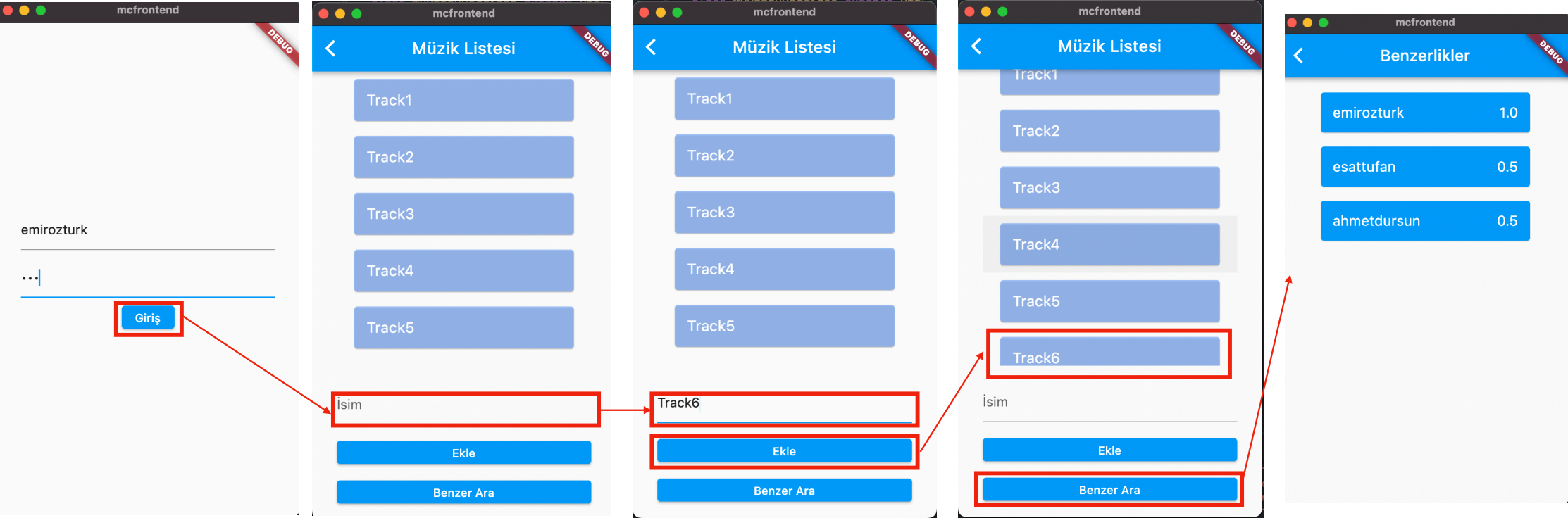
Örnek Uygulama ve REST

Emir Öztürk

Ekranlar



Ekranlar



MongoDB


Büyük Veri Veritabanları

- Doküman veritabanı
- Koleksiyonlar
- Dokümanlar
- Json / Bson

MongoDB

Büyük Veri Veritabanları

- Saklama
 - Tek düğüm
 - Sharding
 - Replikasyon
- Ortam
 - Lokal
 - Bulut

 [Products](#) [Solutions](#) [Resources](#) [Company](#) [Pricing](#)

[Atlas](#) →
Multi-cloud database platform

[Enterprise Advanced](#) →
Enterprise software and support

[Community Edition](#) →
Free software used by millions

[Realm](#) →
Data services for mobile & web

[Tools](#) →
Build faster

Database

Enterprise Server

Community Server

Edge-to-Cloud Sync

Compass

Search

Ops Manager

Cloud Manager

Functions, APIs, and more

Database Shell

Data Lake

Enterprise Kubernetes

Community Kubernetes

VS Code Plugin

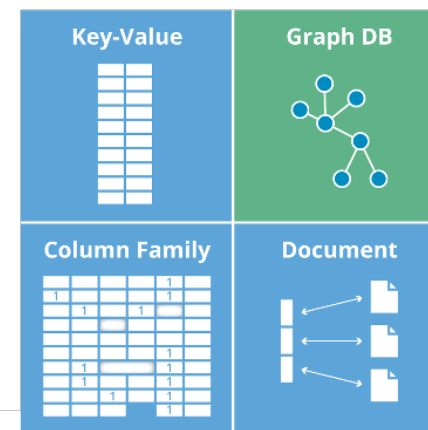
Charts

Operator


Operator


Atlas CLI


Database Connector




Choose which type of deployment is best for you

 **Atlas**
MongoDB as a service

 **On-premises**
MongoDB locally

 **Tools**
Boost productivity

 **Mobile & Edge**
Realm Datastore

```
{
  "_id": "5cf0029caff5056591b0ce7d",
  "firstname": "Jane",
  "lastname": "Wu",
  "address": {
    "street": "1 Circle Rd",
    "city": "Los Angeles",
    "state": "CA",
    "zip": "90404"
  }
  "hobbies": ["surfing", "coding"]
}
```

MongoDB Enterprise Server

MongoDB Community Server

The Community version of our distributed database offers a flexible document data model along with support for ad-hoc queries, secondary indexing, and real-time aggregations to provide powerful ways to access and analyze your data.

The database is also offered as a fully-managed service with [MongoDB Atlas](#). Get access to advanced functionality such as auto-scaling, serverless instances (in preview), full-text search, and data distribution across regions and clouds. Deploy in minutes on AWS, Google Cloud, and/or Azure, with no downloads necessary.

[Give it a try with a free, highly-available 512 MB cluster.](#)

Available Downloads

Version
5.0.3 (current) ✓

Platform
Windows ✓

Package
msi ✓

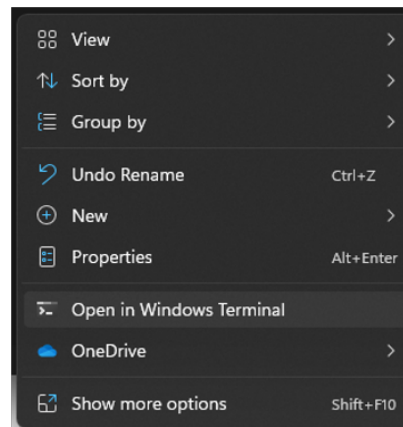
 **Download**

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[Changelog](#)
[Release Notes](#)

> This PC > Local Disk (C:) > Program Files > MongoDB > Server > 5.0 > bin

Name	Date modified	Type	Size
InstallCompass.ps1	19.09.2021 19:29	Windows Power...	2 KB
mongo.exe	19.09.2021 20:59	Application	21.673 KB
mongod.cfg	19.09.2021 19:29	Configuration Sou...	1 KB
mongod.exe	19.09.2021 20:59	Application	45.935 KB
mongod.pdb	19.09.2021 20:59	Program Debug D...	521.076 KB
mongos.exe	19.09.2021 20:19	Application	29.096 KB
mongos.pdb	19.09.2021 20:19	Program Debug D...	305.484 KB



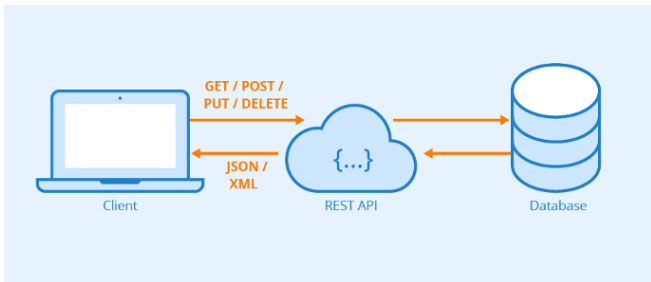
Mongod*
Mongos
Mongo – MongoDB Compass

Varsayılan port 27017

```
Windows PowerShell
PS C:\Program Files\MongoDB\Server\5.0\bin> ./mongod --dbpath C:\Users\emiro\Desktop\MongoFiles\
```

```
Windows PowerShell
dTiger recoveryTimestamp", "attr": {"recoveryTimestamp": {"timestamp": {"t": 0, "i": 0}}}}
{"t": {"$date": "2021-10-29T16:41:25.801+03:00"}, "s": "I", "c": "STORAGE", "id": 4366408, "ctx": "initandlisten", "msg": "No t
able logging settings modifications are required for existing WiredTiger tables", "attr": {"loggingEnabled": true}}
{"t": {"$date": "2021-10-29T16:41:25.805+03:00"}, "s": "I", "c": "STORAGE", "id": 22262, "ctx": "initandlisten", "msg": "Time
stamp monitor starting"}
{"t": {"$date": "2021-10-29T16:41:25.808+03:00"}, "s": "W", "c": "CONTROL", "id": 22120, "ctx": "initandlisten", "msg": "Acce
ss control is not enabled for the database. Read and write access to data and configuration is unrestricted", "tags": ["st
artupWarnings"]}
{"t": {"$date": "2021-10-29T16:41:25.809+03:00"}, "s": "W", "c": "CONTROL", "id": 22140, "ctx": "initandlisten", "msg": "This
server is bound to localhost. Remote systems will be unable to connect to this server. Start the server with --bind_ip
<address> to specify which IP addresses it should serve responses from, or with --bind_ip_all to bind to all interfaces.
If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disable this warning", "tags": ["startupWarning
s"]}
{"t": {"$date": "2021-10-29T16:41:25.815+03:00"}, "s": "I", "c": "NETWORK", "id": 4915702, "ctx": "initandlisten", "msg": "Upda
ted wire specification", "attr": {"oldSpec": {"incomingExternalClient": {"minWireVersion": 0, "maxWireVersion": 13}, "incomingIn
ternalClient": {"minWireVersion": 0, "maxWireVersion": 13}, "outgoing": {"minWireVersion": 0, "maxWireVersion": 13}, "isInternalCL
ient": true}, "newSpec": {"incomingExternalClient": {"minWireVersion": 0, "maxWireVersion": 13}, "incomingInternalClient": {"minW
ireVersion": 13, "maxWireVersion": 13}, "outgoing": {"minWireVersion": 13, "maxWireVersion": 13}, "isInternalClient": true}}}
{"t": {"$date": "2021-10-29T16:41:25.816+03:00"}, "s": "I", "c": "STORAGE", "id": 5071100, "ctx": "initandlisten", "msg": "Clea
ring temp directory"}
{"t": {"$date": "2021-10-29T16:41:25.817+03:00"}, "s": "I", "c": "CONTROL", "id": 20536, "ctx": "initandlisten", "msg": "Flow
Control is enabled on this deployment"}
{"t": {"$date": "2021-10-29T16:41:26.136+03:00"}, "s": "I", "c": "FTDC", "id": 20625, "ctx": "initandlisten", "msg": "Init
ializing full-time diagnostic data capture", "attr": {"dataDirectory": "C:/Users/emiro/Desktop/MongoFiles/diagnostic.data"}
}
{"t": {"$date": "2021-10-29T16:41:26.143+03:00"}, "s": "I", "c": "NETWORK", "id": 23015, "ctx": "listener", "msg": "Listening
on", "attr": {"address": "127.0.0.1"}}
{"t": {"$date": "2021-10-29T16:41:26.143+03:00"}, "s": "I", "c": "NETWORK", "id": 23016, "ctx": "listener", "msg": "Waiting f
or connections", "attr": {"port": 27017, "ssl": "off"}}
```

REST



persons Operations about users of the system

POST `/persons` Create a new user in the database. (Note: JSON representation of a new user's data should be contained in the body.)

GET `/persons/` Return a list of all users in the database.

GET `/persons/{username}` Return a user by supplying a unique user name.

PUT `/persons/{username}` Update an existing user in the database. (Note: the JSON representation of the user should be supplied in the body along with the user's user id).

DELETE `/persons/{username}` Delete an existing user whos unique username is supplied.

Saklanacak Kayıtlar

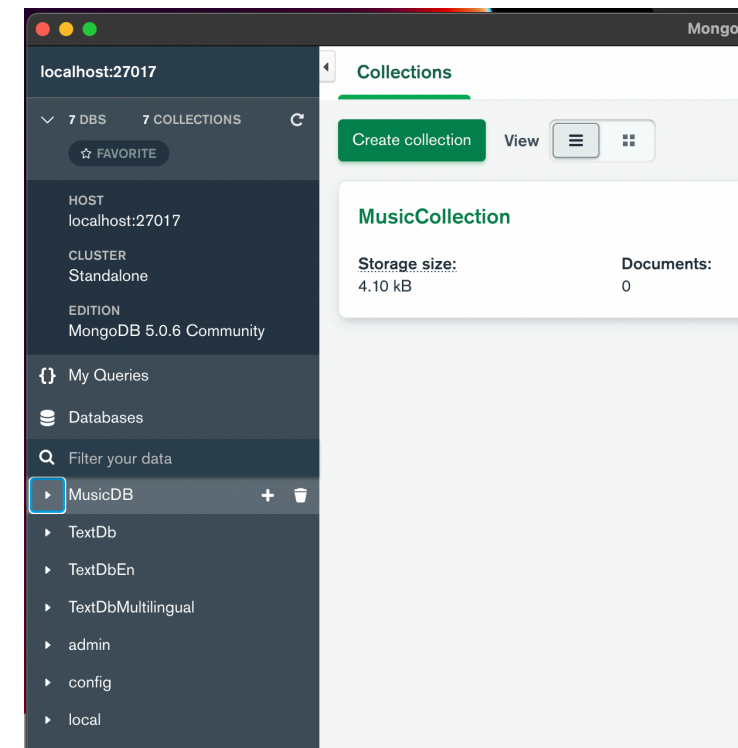
Json / Belge

```
{
  "userId": "1",
  "userName": "emirozturk",
  "password": "123",
  "musicList": ["Track1", "Track2", "Track3", "Track4"]
},
{
  "userId": "2",
  "userName": "esattufan",
  "password": "1234",
  "musicList": ["Track1", "Track3", "Track5", "Track7"]
},
{
  "userId": "3",
  "userName": "ahmetdursun",
  "password": "12345",
  "musicList": ["Track2", "Track4", "Track6"]
}
```

Veritabanı

MongoDB

- 127.0.0.1:27017
- MusicDB
- MusicCollection



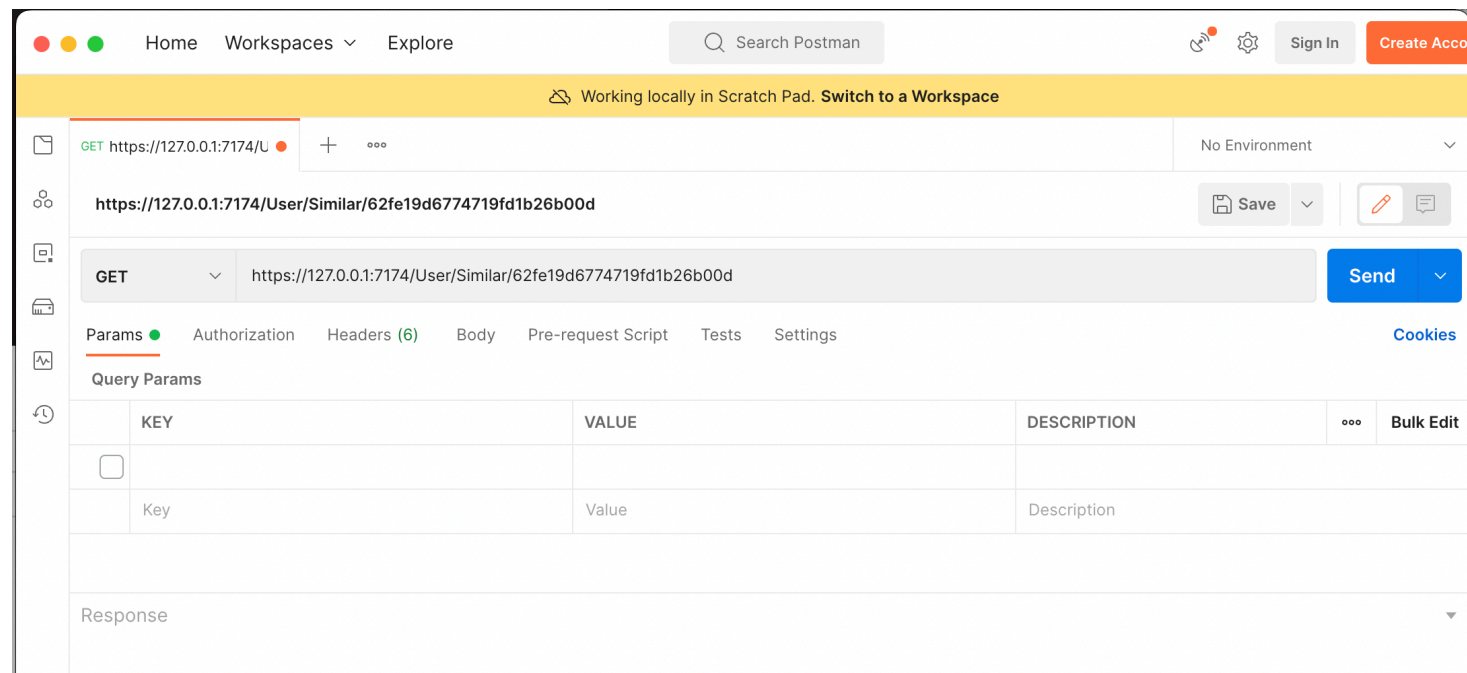
İhtiyaç duyulan düğümler

REST

Metot	Yol	Gövde
Get	/User	
Get	/User/UserId	
Get	/Similar/UserId	
Post	/Login	User
Post	/User	User
Put	/User/UserId	User

Postman

- REST sorguları
- Düğümlerin testi
- Güvenlik denemeleri



Katmanlar

