How to setup development environment

1. Install **Visual Studio** (minimum version **2017**) - <https://www.microsoft.com/net/download/windows>
   1. Install **.Net Core SDK v1.1.5** (32 or 64 bits – depend on operating system)
2. Install latest version of **Visual Studio Code -** <https://code.visualstudio.com/download>
3. Install **MS SQL Server** (minimum version is **MS SQL Server 2008 R2**)
4. Install **RabbitMQ** (latest version) - <https://www.rabbitmq.com/download.html> - keep instruction to install
5. Install **MongoDB** (latest version) - <https://www.mongodb.com/download-center#community>
6. Install **NodeJS** (latest version) - <https://nodejs.org/en/download/>

**Additional tools**

1. SQL Server Management Studio – Management studio for MS SQL Server databases
2. Robomongo – Management tool for MongoDB databases

Setting up MongoDB

1. Create folders:

c:\mongo\data

c:\mongo\log

c:\mongo\config

2. In c:\mongo\config create file

mongo.cfg

3. Open file

c:\mongo\config.cfg

..and paste lines:

// (do not copy this row) BEGIN configuration block ==================================

systemLog:

destination: file

path: "C:\\mongo\\log\\mongodb.log"

quiet: true

logAppend: true

storage:

dbPath: "C:\\mongo\\data"

journal:

enabled: true

net:

bindIp: localhost

port: 27017

replication:

replSetName: "rs0"

// (do not copy this row) END configuration block===================================

4. Open Command prompt as Administrator

5. In command promt type

"C:\Program Files\MongoDB\Server\3.4\bin\mongod.exe" --config "C:\mongo\config\mongo.cfg" --install

... and press Enter key

This will create MongoDB Windows service

6. Open Services windows

7. Find out MongoDB service and run it

8. Goto

C:\Program Files\MongoDB\Server\3.4\bin\

...and run command prompt as Administrator

9. Run mongo.exe

10. To create Messaging collection type

set Messaging --> press Enter key

use Messaging --> press Enter key

11. To create replication type

rs.initiate({\_id:"rs0", members: [{"\_id":1, "host":"localhost:27017"}]})

... and press Enter key