Tools used

1. Mongodb 4
2. Studio 3T
3. Node 8.11.3
4. Npm 5.6.0
5. Postman extension for Chrome (for testing APIs)

Installation for Window

**Mongodb setup:**

1. Download the Mongodb for window and Install it.

<https://www.mongodb.com/download-center?jmp=nav>

1. Go to the Mongodb bin folder and fire command for running Mongodb

mongod --port "PORT" --dbpath "YOUR\_DB\_DATA\_PATH" --replSet "REPLICA\_SET\_INSTANCE\_NAME"

Example

mongod --port 27017 --dbpath "C:\Data" --replSet rs0

1. Now Fire the command using new cmd screen

mongo.exe

3a. In Mongo client, issue the command **rs.initiate()** to initiate a new replica set.

3b. To check the replica set configuration, issue the command **rs.conf()**. To check the status of replica set issue the command **rs.status()**.

More detais: <https://docs.mongodb.com/manual/reference/method/rs.initiate/>

**Studio 3T setup**

**Import the dummy data using studio 3T**

1. Connect to the mongodb server in Replica set mode.
2. Add new database **onlineshop.**
3. Import the data from **Dummy Data** folder to **onlineshop** database.

More details: <https://studio3t.com/download/>

**Node and NPM setup**

Download and install Node and NPM.

More details: <https://nodejs.org/en/>

<https://www.npmjs.com/get-npm>

**Project setup**

1. Go to the project directory and run following command:

**npm install**

1. After installing the required package run the command following command to start the Nodejs server.

**node server\app-server**

1. Test the APIs from API design document using POSTMAN.