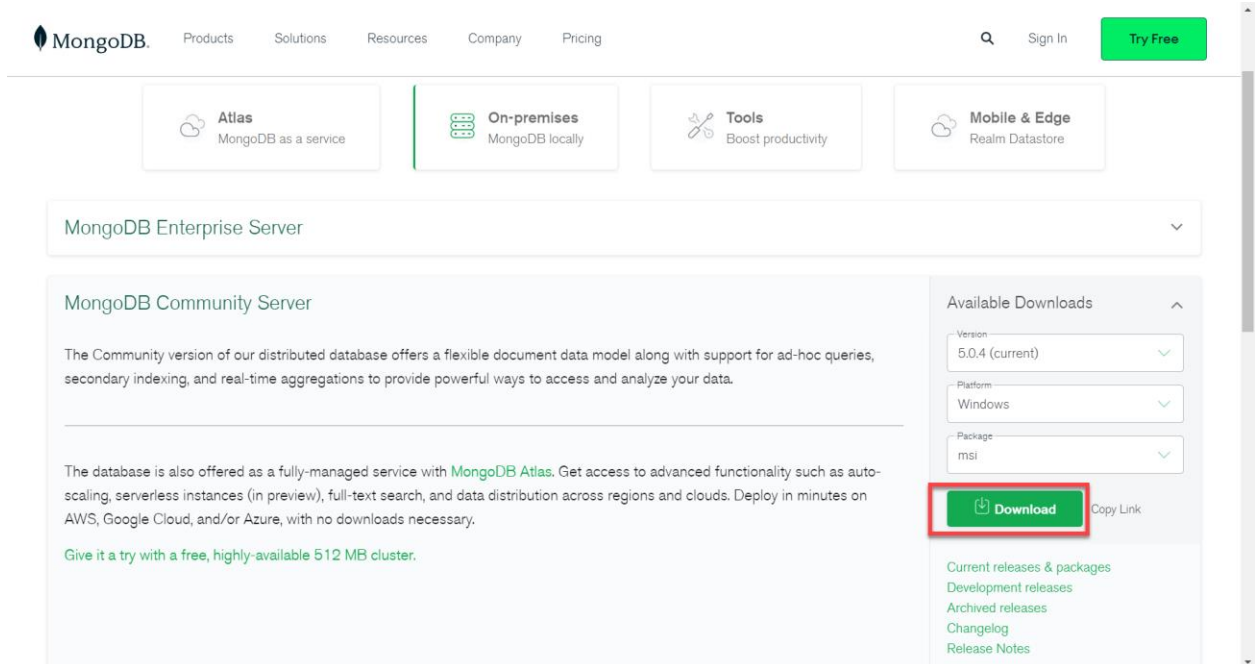


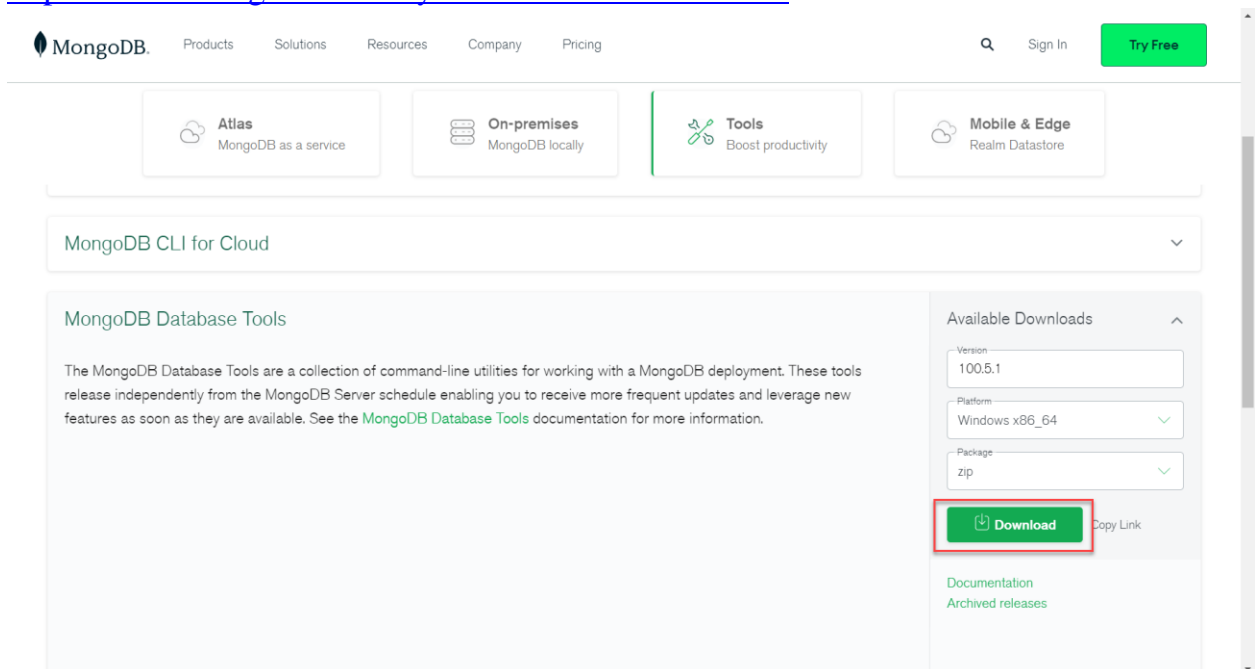
Hướng dẫn cài đặt và triển khai cơ sở dữ liệu:

1. Tải và cài đặt MongoDB trên máy:

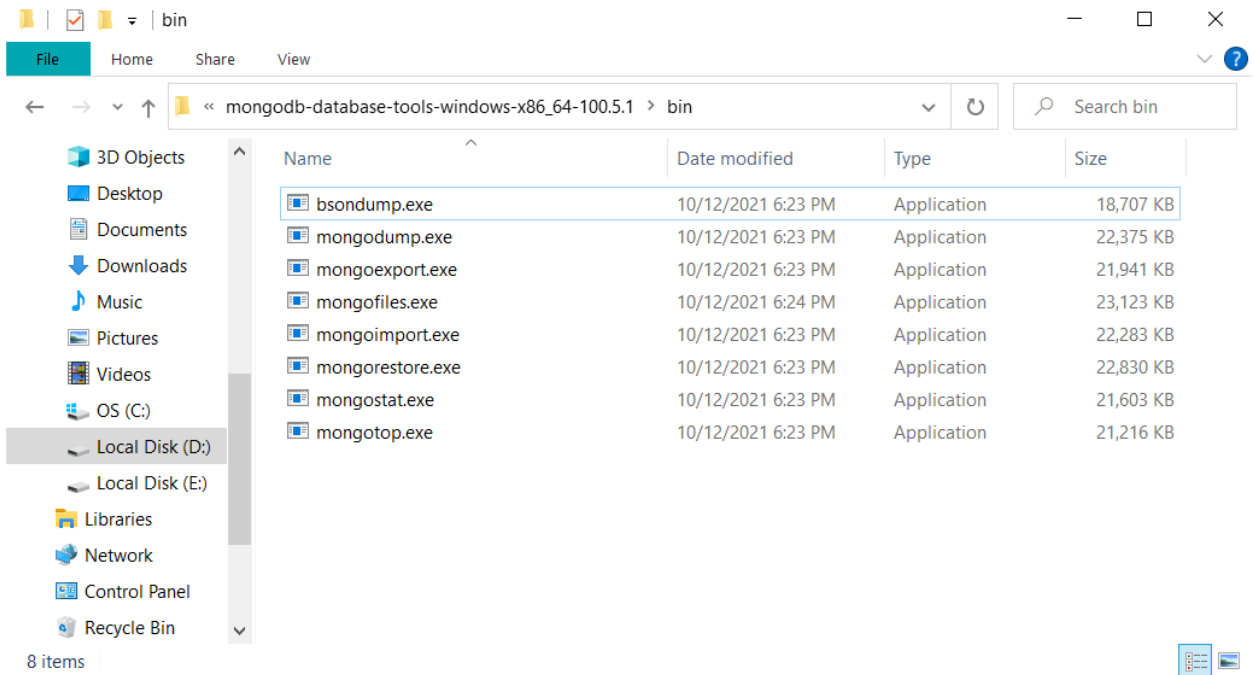
1. Bước 1: Vào link sau: <https://www.mongodb.com/try/download/community>
2. Bước 2: Nhấn vào nút Download để tải về và giải nén mongodb:



3. Bước 3: Download MongoDB Database Tools tại <https://www.mongodb.com/try/download/database-tools>



Sau khi download, ta giải nén gói zip thì vào thư mục bin (mongodb-database-tools-windows-x86_64_100.5.1/bin), tại đây đã xây dựng mongoimport.exe:



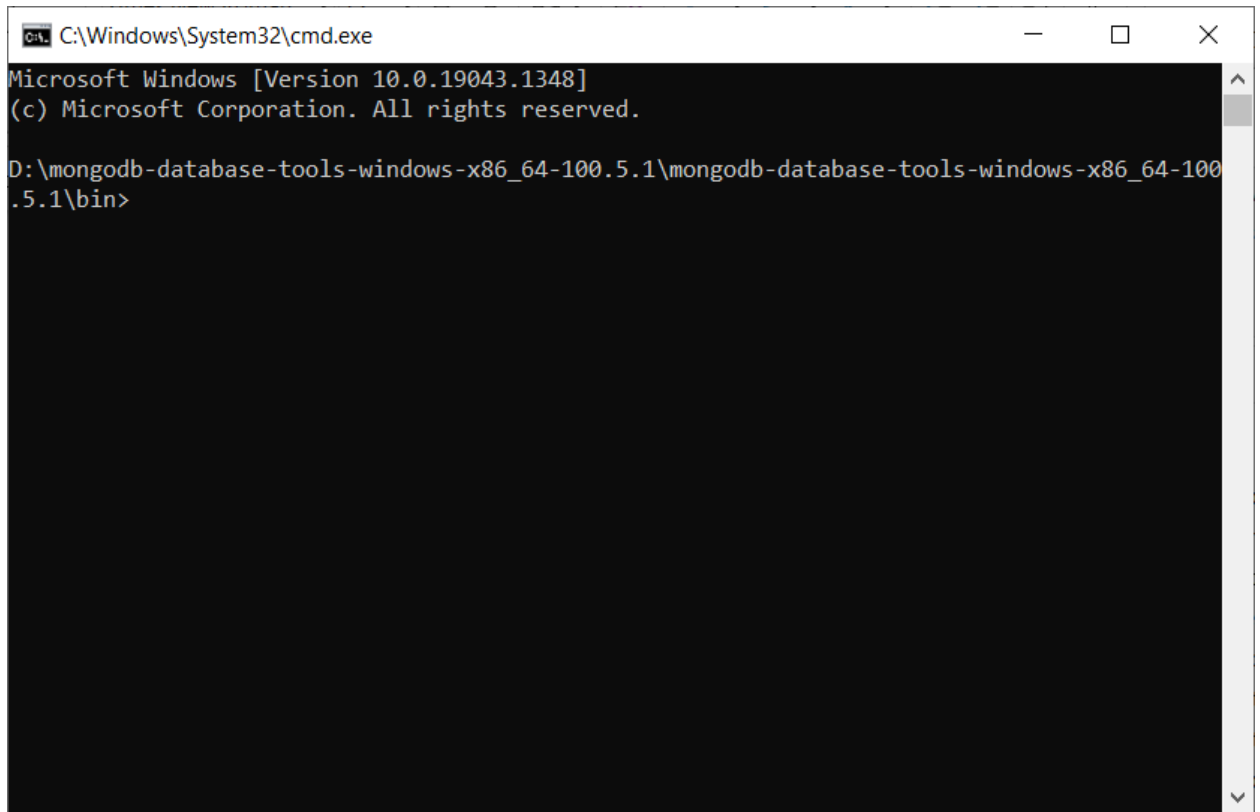
2. Hướng dẫn import dữ liệu:

1. Bước 1: Mở thư mục Database/sample_data trong thư mục nộp bài và ở đây có tất cả các file .json là dữ liệu mẫu của cơ sở dữ liệu bao gồm:

- categories.json
- comments.json
- users.json
- propertys.json
- schedules.json

Copy đường dẫn đến thư mục này (ví dụ *D:\Git repository\HomeSelling_Application\Database\sample_data*)

2. Bước 2: Mở terminal tại thư mục bin (mongodb-database-tools-windows-x86_64_100.5.1/bin).

A screenshot of a Windows command prompt window. The title bar shows 'C:\Windows\System32\cmd.exe'. The window content displays the following text: 'Microsoft Windows [Version 10.0.19043.1348] (c) Microsoft Corporation. All rights reserved. D:\mongodb-database-tools-windows-x86_64-100.5.1\mongodb-database-tools-windows-x86_64-100.5.1\bin>'. The prompt is at the end of the line.

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19043.1348]
(c) Microsoft Corporation. All rights reserved.

D:\mongodb-database-tools-windows-x86_64-100.5.1\mongodb-database-tools-windows-x86_64-100.5.1\bin>
```

Sau đó để tạo database và import dữ liệu: gõ lệnh **mongoimport --uri mongodb+srv://admin:admin123456@sweethome-southeast.qoob5.mongodb.net/sweethomedb --collection categories --file “DirectoryPath\categories.json” --jsonArray** để import dữ liệu categories.json vào collection categories trong Database sweethomedb. Thay thế DirectoryPath là đường dẫn đến file dữ liệu mẫu ở trên đã copy.

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19043.1348]
(c) Microsoft Corporation. All rights reserved.

D:\mongodb-database-tools-windows-x86_64-100.5.1\mongodb-database-tools-windows-x86_64-100.5.1\bin>mongoimport --uri mongodb+srv://admin:admin123456@sweethome-southeast.qoob5.mongodb.net/sweethomedb --collection categories --file "D:\Git repository\HomeSelling_Application\Database\sample_data\categories.json" --jsonArray
2021-11-25T18:25:21.829+0700    connected to: mongodb+srv://[**REDACTED**]@sweethome-southeast.qoob5.mongodb.net/sweethomedb
2021-11-25T18:25:21.952+0700    4 document(s) imported successfully. 0 document(s) failed to import.

D:\mongodb-database-tools-windows-x86_64-100.5.1\mongodb-database-tools-windows-x86_64-100.5.1\bin>
```

Tương tự để import các collection khác gõ lần lượt các lệnh (thay thế **DirectoryPath** là đường dẫn đến file dữ liệu mẫu ở trên đã copy) sau:

- **mongoimport --uri mongodb+srv://admin:admin123456@sweethome-southeast.qoob5.mongodb.net/sweethomedb --collection comments --file "**DirectoryPath**\comments.json" --jsonArray** để import dữ liệu *comments.json* vào collection *comments* trong Database *sweethomedb*
- **mongoimport --uri mongodb+srv://admin:admin123456@sweethome-southeast.qoob5.mongodb.net/sweethomedb --collection properties --file "**DirectoryPath**\properties.json" --jsonArray** để import dữ liệu *properties.json* vào collection *properties* trong Database *sweethomedb*
- **mongoimport --uri mongodb+srv://admin:admin123456@sweethome-southeast.qoob5.mongodb.net/sweethomedb --collection schedules --file "**DirectoryPath**\schedules.json" --jsonArray** để import dữ liệu *schedules.json* vào collection *schedules* trong Database *sweethomedb*
- **mongoimport --uri mongodb+srv://admin:admin123456@sweethome-southeast.qoob5.mongodb.net/sweethomedb --collection users --file "**DirectoryPath**\users.json" --jsonArray** để import dữ liệu *users.json* vào collection *users* trong Database *sweethomedb*

Kết quả sau khi import dữ liệu là:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19043.1348]
(c) Microsoft Corporation. All rights reserved.

D:\mongodb-database-tools-windows-x86_64-100.5.1\mongodb-database-tools-windows-x86_64-100.5.1\bin>mongoimport --uri mongodb+srv://admin:admin123456@sweethome-southeast.qoob5.mongodb.net/sweethomedb --collection categories --file "D:\Git repository\HomeSelling_Application\Database\sample_data\categories.json" --jsonArray
2021-11-25T18:25:21.829+0700    connected to: mongodb+srv://[**REDACTED**]@sweethome-southeast.qoob5.mongodb.net/sweethomedb
2021-11-25T18:25:21.952+0700    4 document(s) imported successfully. 0 document(s) failed to import.

D:\mongodb-database-tools-windows-x86_64-100.5.1\mongodb-database-tools-windows-x86_64-100.5.1\bin>mongoimport --uri mongodb+srv://admin:admin123456@sweethome-southeast.qoob5.mongodb.net/sweethomedb --collection comments --file "D:\Git repository\HomeSelling_Application\Database\sample_data\comments.json" --jsonArray
2021-11-25T18:26:20.970+0700    connected to: mongodb+srv://[**REDACTED**]@sweethome-southeast.qoob5.mongodb.net/sweethomedb
2021-11-25T18:26:21.114+0700    5 document(s) imported successfully. 0 document(s) failed to import.

D:\mongodb-database-tools-windows-x86_64-100.5.1\mongodb-database-tools-windows-x86_64-100.5.1\bin>mongoimport --uri mongodb+srv://admin:admin123456@sweethome-southeast.qoob5.mongodb.net/sweethomedb --collection properties --file "D:\Git repository\HomeSelling_Application\Database\sample_data\properties.json" --jsonArray
2021-11-25T18:26:44.736+0700    connected to: mongodb+srv://[**REDACTED**]@sweethome-southeast.qoob5.mongodb.net/sweethomedb
2021-11-25T18:26:44.893+0700    10 document(s) imported successfully. 0 document(s) failed to import.

D:\mongodb-database-tools-windows-x86_64-100.5.1\mongodb-database-tools-windows-x86_64-100.5.1\bin>mongoimport --uri mongodb+srv://admin:admin123456@sweethome-southeast.qoob5.mongodb.net/sweethomedb --collection schedules --file "D:\Git repository\HomeSelling_Application\Database\sample_data\schedules.json" --jsonArray
2021-11-25T18:27:02.952+0700    connected to: mongodb+srv://[**REDACTED**]@sweethome-southeast.qoob5.mongodb.net/sweethomedb
2021-11-25T18:27:03.117+0700    3 document(s) imported successfully. 0 document(s) failed to import.

D:\mongodb-database-tools-windows-x86_64-100.5.1\mongodb-database-tools-windows-x86_64-100.5.1\bin>mongoimport --uri mongodb+srv://admin:admin123456@sweethome-southeast.qoob5.mongodb.net/sweethomedb --collection users --file "D:\Git repository\HomeSelling_Application\Database\sample_data\users.json" --jsonArray
2021-11-25T18:27:19.392+0700    connected to: mongodb+srv://[**REDACTED**]@sweethome-southeast.qoob5.mongodb.net/sweethomedb
2021-11-25T18:27:19.501+0700    7 document(s) imported successfully. 0 document(s) failed to import.
```