**Database setup:**

* For Database we are using MSSQL server.
* We can install it using the following link

<https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver15>

* After installing SQL Server Management Studio (SSMS) we need to TCP/IP as follows.
* We need to open run (Windows + R) in windows and type compmgmt.msc and press enter
* After computer management is opened go to Services and Applications and press SQL Server Configuration.
* Then go to SQL Server Network and enable TCP/IP.
* Now double click TCP/IP and go to IP Addresses, scroll down to IPALL and change TCP Port to 1433.
* Now open SSMS and create SQL Server authentication for the DB engine.
* After that login using credentials and create a Database.
* Once DB is created create the table using following commands as queries:
* Create a table by right clicking on Tables -> New -> Table... In table we need to have columns like [Model], [Tilt], [Seat\_Width\_Min], [Seat\_Width\_Max], [Seat\_Depth\_Min], [Seat\_Depth\_Max] and [Weight]
* After creating table insert the values in the table by using the following query:

INSERT INTO [dbo].[WC\_specs] VALUES ('Move', 'No', 14,19,16,18,350);

* Similarly create all the wheelchairs required using specification sheet of the manufactures.

**NOTE: Don’t setup the backend without frontend and database**

**Backend setup:**

* Install npm using NodeSource installer in Linux or Node.js download page in windows.

Link: <https://docs.npmjs.com/downloading-and-installing-node-js-and-npm> .

* After installing to setup, the project, we need to create new folder for project.
* Open the folder in editor like Microsoft visual studio code (MSVC).
* Now open the terminal in MSVC (terminal -> New terminal) and then type npm init -y.
* This creates the json file to run the project
* Copy and paste the contents of the GitHub in the same file structure along with another format files like html, excel, js etc.
* In case of missing dependencies try npm install in terminal it will install all dependent libraries of backend.
* We need to change the credentials for database inside the file dbconfig.js according to your credentials of database.
* Later we can download and check the working of only backend by using postman (testing tool).

Link: <https://www.postman.com/downloads/>

* Once this is up and running, we can automatically check working of backend from front end by using html page.