



KHOA CÔNG NGHỆ THÔNG TIN
TRƯỜNG ĐẠI HỌC KHOA HỌC TỰ NHIÊN
227 Nguyễn Văn Cừ, Phường 4, Quận 5, TP.HCM
Điện Thoại: (08) 38.354.266 - Fax: (08) 38.350.096



TRƯỜNG ĐẠI HỌC KHOA HỌC TỰ NHIÊN

KHOA CÔNG NGHỆ THÔNG TIN

PROJECT MANAGEMENT

GROUP D: HAIR SALON BOOKING - BARBERINO

Setup environments and building
application



Bộ môn Công nghệ phần mềm
Khoa Công nghệ thông tin
Đại học Khoa học tự nhiên TP HCM



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Table version

Date	Version	Description	Author
July 25, 2022	1.0	Setup environment on React	Tran Nguyen Minh Dao, Quan Minh Tri
July 25, 2022	2.0	Setup environment on PHP	Truong Minh Nam Phu
July 28, 2022	3.0	Refactor contents and format	Tran Nguyen Minh Dao

I. Install Node.js environment

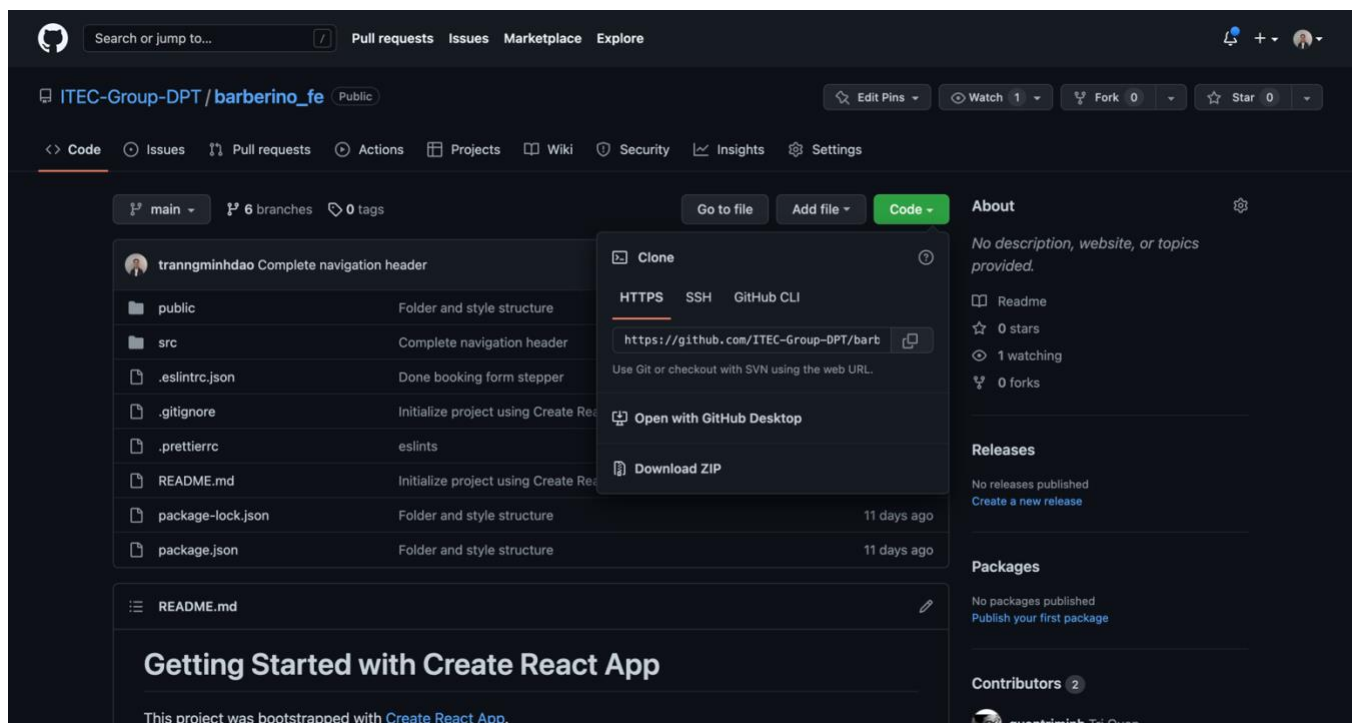
The screenshot shows the Node.js Downloads page. The header includes the Node.js logo and navigation links: HOME, ABOUT, DOWNLOADS, DOCS, GET INVOLVED, SECURITY, CERTIFICATION, and NEWS. The main content area is titled 'Downloads' and features the latest LTS version (16.16.0) and the current version (16.17.0). Below this, there are three main download categories: Windows Installer, macOS Installer, and Source Code. Each category has a corresponding icon and download link. A table below these categories lists the available download options for each platform, including 32-bit and 64-bit versions, and ARMv7 and ARMv8 versions for Linux.

	LTS Recommended For Most Users	Current Latest Features
Windows Installer	node-v16.16.0-x86.msi	
macOS Installer	node-v16.16.0.pkg	
Source Code	node-v16.16.0.tar.gz	

	32-bit	64-bit
Windows Installer (.msi)		
Windows Binary (.zip)		
macOS Installer (.pkg)		
macOS Binary (.tar.gz)		
Linux Binaries (x64)		
Linux Binaries (ARM)		
Source Code		

II. Cloning front-end repository

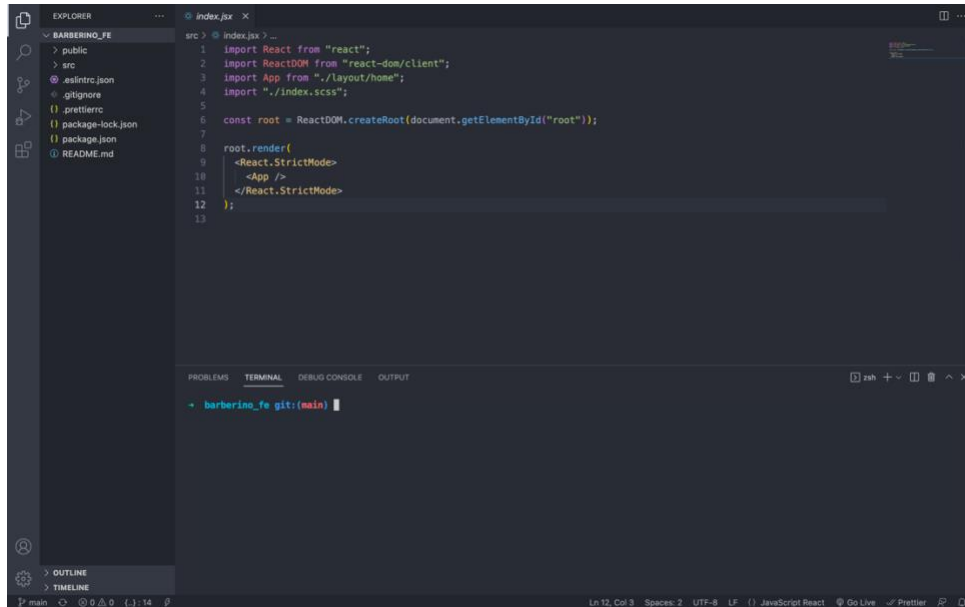
Access to the GitHub project url: https://github.com/ITEC-Group-DPT/barberino_fe



Clone the project using Git URL or using Open with GitHub Desktop option

III. Install node modules

Step 1: Open the project on your IDE such as Visual Studio Code

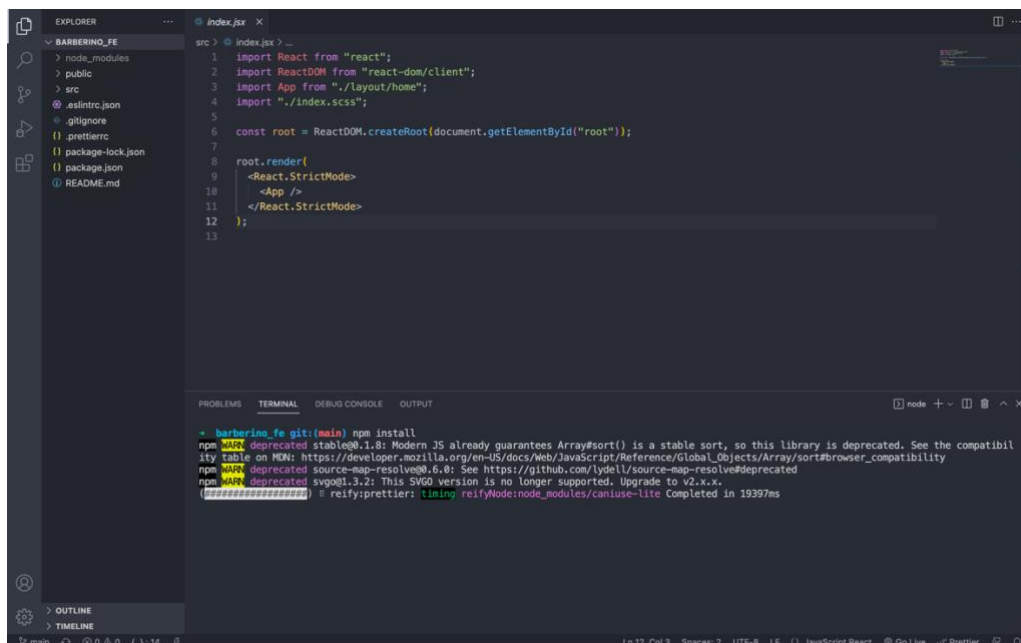


The screenshot shows the Visual Studio Code interface with a project named 'BARBERINO_FE'. The Explorer sidebar on the left shows the file structure: 'public', 'src', 'eslint.config', 'gitignore', 'prettierrc', 'package-lock.json', 'package.json', and 'README.md'. The main editor displays 'index.js' with the following code:

```
1 import React from "react";
2 import ReactDOM from "react-dom/client";
3 import App from "../layout/home";
4 import "../index.scss";
5
6 const root = ReactDOM.createRoot(document.getElementById("root"));
7
8 root.render(
9   <React.StrictMode>
10     <App />
11   </React.StrictMode>
12 );
13
```

The bottom panel shows the 'TERMINAL' with the command 'barberino_fe git:(main) |'.

Step 2: Run **npm install** command to install all of the required dependencies

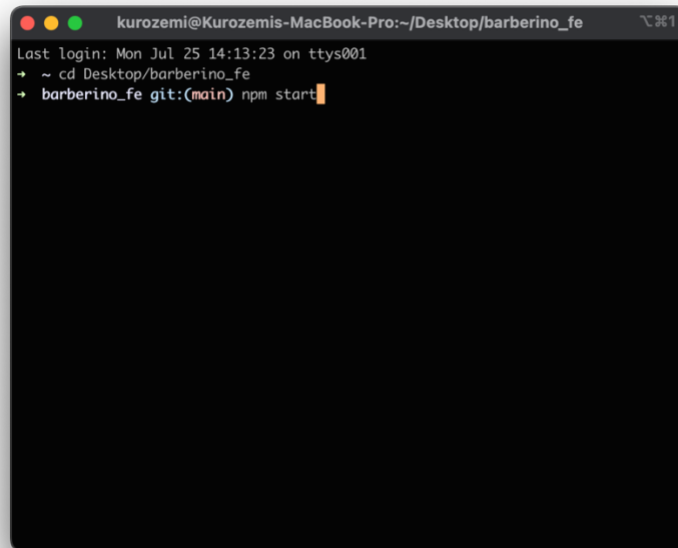


The screenshot shows the Visual Studio Code interface with the same project structure. The main editor displays the same 'index.js' file. The bottom panel shows the 'TERMINAL' with the command 'barberino_fe git:(main) npm install' and its output:

```
> barberino_fe git:(main) npm install
npm WARN deprecated stable@0.1.8: Modern JS already guarantees Array#sort() is a stable sort, so this library is deprecated. See the compatibility
ity table on MDN: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/sort#browser_compatibility
npm WARN deprecated source-map-resolve@0.6.8: See https://github.com/lydell/source-map-resolve#deprecated
npm WARN deprecated svgo@1.3.2: This SVGO version is no longer supported. Upgrade to v2.x.x.
reify:prettier: timing reifyNode:node_modules/caniuse-lite Completed in 19397ms
```

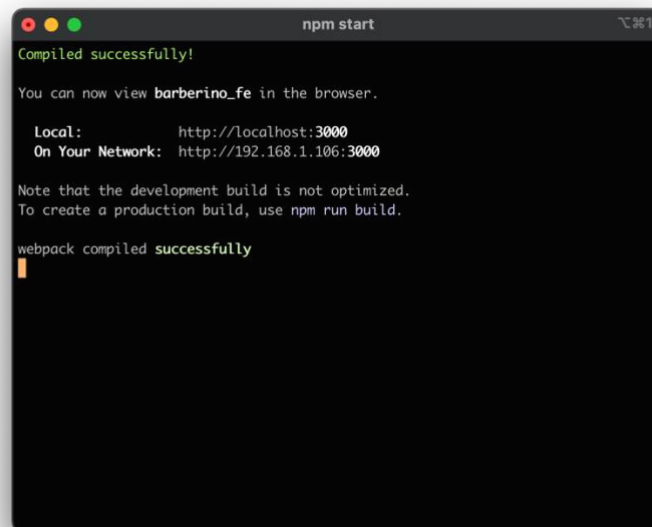
IV. Running React script

Step 1: Running the **npm start** command



```
kurozemi@Kurozemis-MacBook-Pro:~/Desktop/barberino_fe
Last login: Mon Jul 25 14:13:23 on ttys001
→ ~ cd Desktop/barberino_fe
→ barberino_fe git:(main) npm start
```

Step 2: The web server will be automatically running on <http://localhost:3000/>



```
npm start
Compiled successfully!

You can now view barberino_fe in the browser.

  Local:            http://localhost:3000
  On Your Network:  http://192.168.1.106:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

Step 3: Open website on <http://localhost:3000/>

HOME SERVICES GALLERY ARTISTS ABOUT

BOOKING

MAKE AN APPOINTMENT

Far far away, behind the word mountains, far from the countries Vokalia and Consonantia

CALL US: 012-3456-7890

Information Services DateTime

Email Phone

Name Other Note...

Back Next

Step 4: Making changes to the codebase, hitting save button. All changes will be automatically re-render.

```
home.jsx M x
src > layout > home.jsx > ...
1  import React from "react";
2  import Stepper from "../component/bookingStep";
3  import Header from "../component/header";
4  import "./home.scss";
5
6  const App = () => {
7    return (
8      <Header />
9      <p className="callUs">CALL US: 012-3456-7890</p>
10     <div className="container">
11       <h3 className="subHeading">Booking</h3>
12       <h2 className="heading">Changing some title here</h2>
13       <p className="grayText">
14         Far far away, behind the word mountains, far from the
15         countries Vokalia and Consonantia
16       </p>
17       <Stepper />
18     </div>
19   </>
20 );
21 };
22
```

New home title will be updated automatically.

HOME SERVICES GALLERY ARTISTS ABOUT

BOOKING

CHANGING SOME TITLE HERE

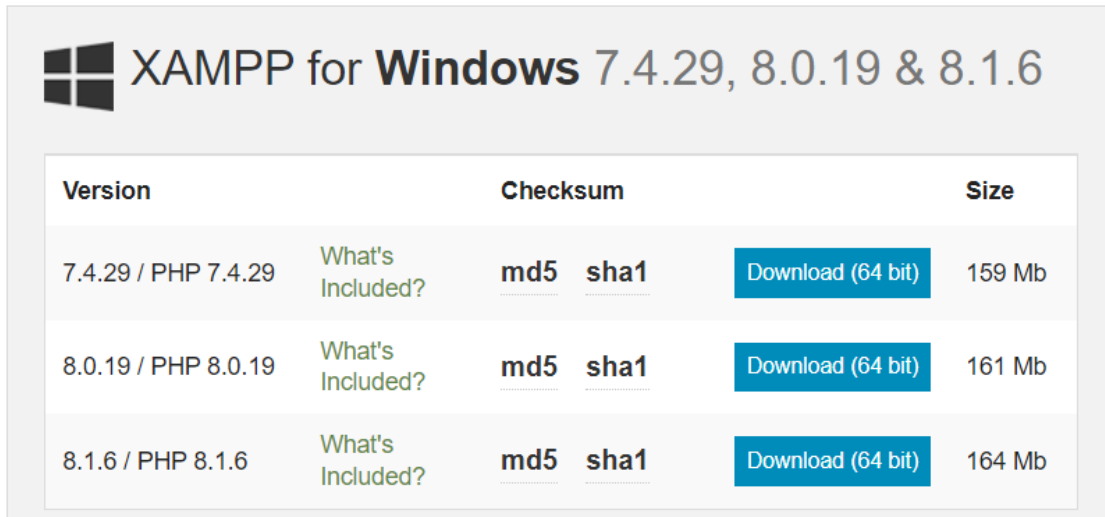
Far far away, behind the word mountains, far from the countries Vokalia and Consonantia

CALL US: 012-3456-7890

Information	Services	DateTime
Email	Phone	
Name	Other Note...	
		Back Next

V. Install PHP web server - XAMPP

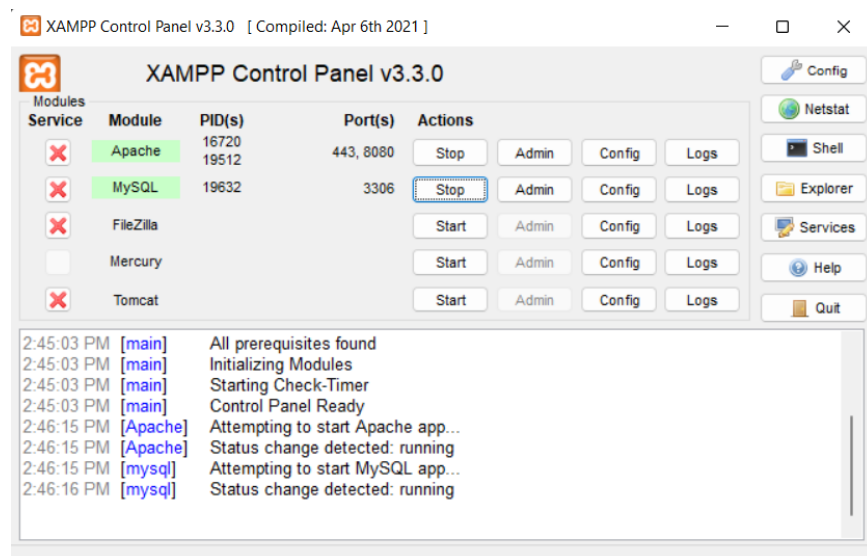
Step 1: Download the application at <https://www.apachefriends.org/download.html> (recommend PHP 8.1.6)



XAMPP for Windows 7.4.29, 8.0.19 & 8.1.6

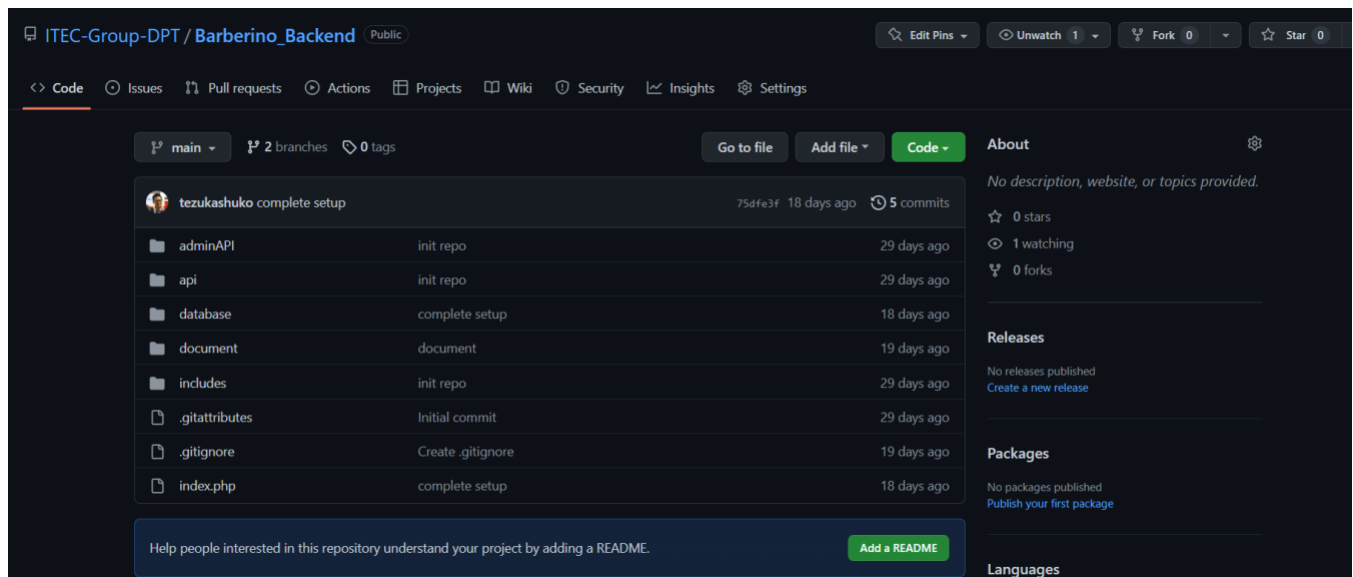
Version	Checksum	Size
7.4.29 / PHP 7.4.29	md5 sha1	159 Mb
8.0.19 / PHP 8.0.19	md5 sha1	161 Mb
8.1.6 / PHP 8.1.6	md5 sha1	164 Mb

Step 2: Start the services (Apache for local hosting, MySQL for database)



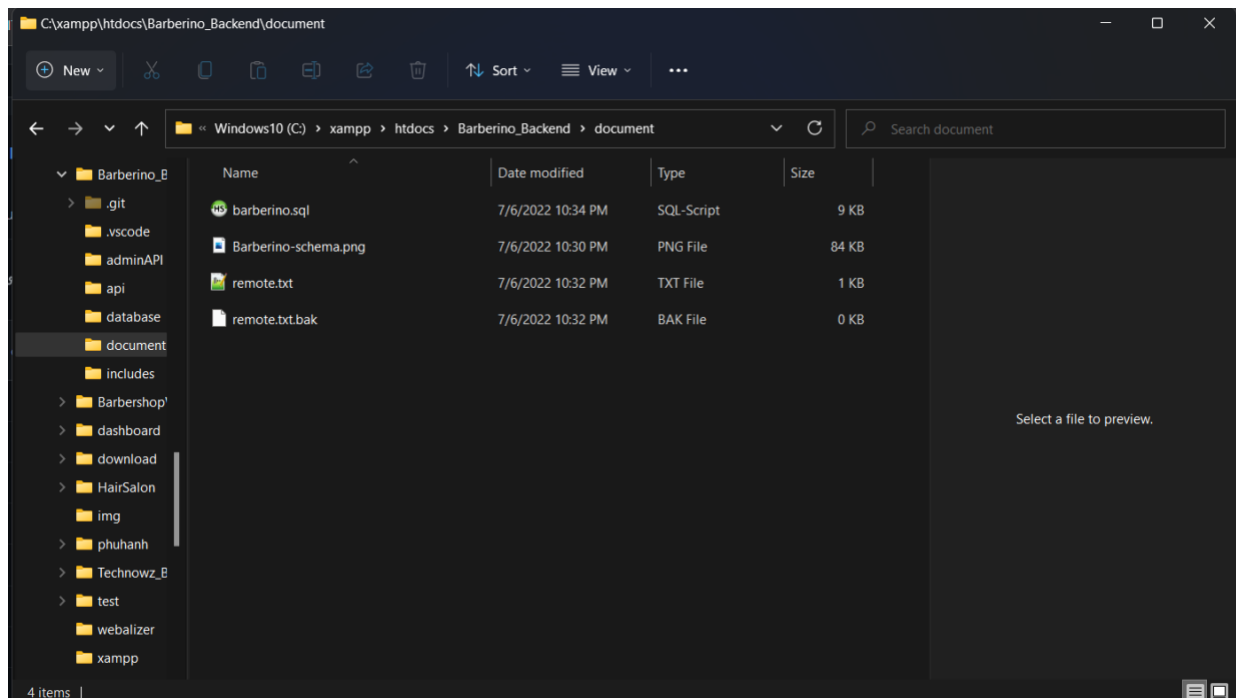
VI. Clone back-end repository

Clone the project https://github.com/ITEC-Group-DPT/Barberino_Backend to directory C:\xampp\htdocs\

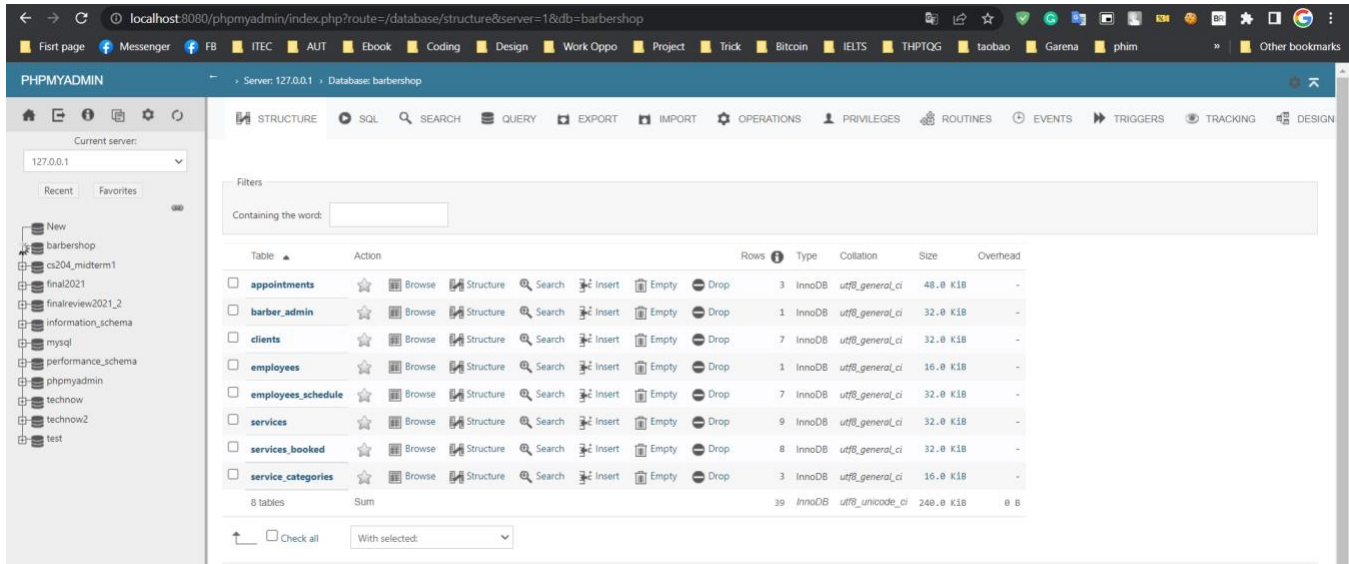


VII. Setup database and connection

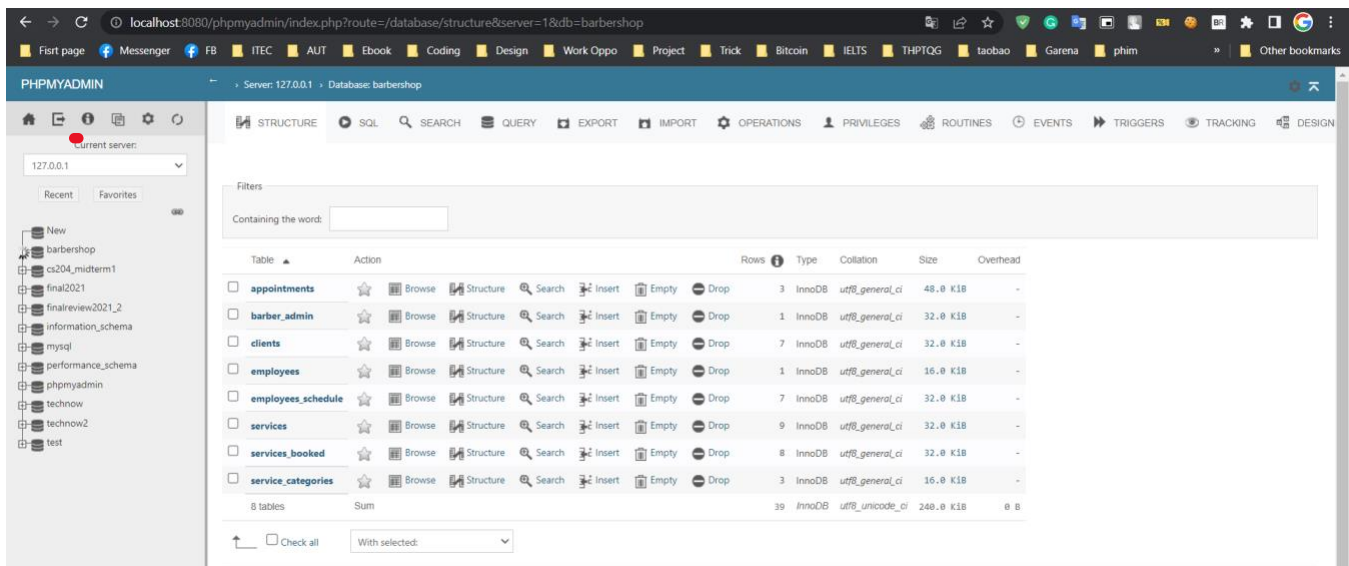
Step 1: Find the **barberino.sql** file name in the project document folder



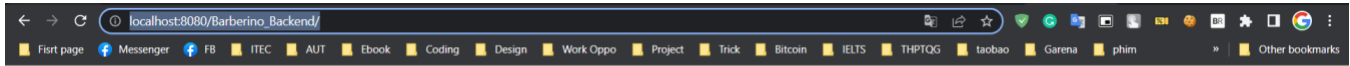
Step 2: Open the phpMyAdmin on the link <http://localhost:8080/phpmyadmin>



Step 3: Create new database and import the file (follow the step on phpMyAdmin)



Step 4: Check the link http://localhost:8080/Barberino_Backend/ for backend web server



Connect DB complete