GRADUATION THESIS

Restaurant Order and Management Website

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Major: Information technology

**INSTRUCTIONS FOR INSTALLATION**

1. **Tools and libraries**

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| **Purpose** | **Tools** | **URL address** |
| Programming | JDK 11 | https://www.oracle.com/java /technologies/downloads |
| Programming IDE | Visual Studio Code 1.90 | https://code.visualstudio.com  /download |
| front-end programming library | NodeJS v20.15 | https://nodejs.org/en/download/. |
| front-end  programming library | Angular | https://v17.angular.io/cli |
| back-end  programming library | java spring boot | https://marketplace.visualstudio.com/items?itemName=vmware.vscode-boot-dev-pack |
| Tool to create local  host | Xampp v8.2.12 | https://www.apachefriends.org/download.html |
| UML design | draw.io | https://app.diagrams.net/ |

1. **Installation details**
   1. **Install Java JRE/JDK:**

* Click on the link:https://www.oracle.com/java  
  /technologies/downloads
* Download the version corresponding to your Operating System and install
  1. **Install Visual Studio Code and java spring boot**
* Click on the link: <https://code.visualstudio.com/download>
* Download the version corresponding to your Operating System and install
* Click on the link: <https://marketplace.visualstudio.com/items?itemName=vmware.vscode-boot-dev-pack>
* Click install and the website will automatically redirect to Visual Studio Code and install.
  1. **Install Angular**
* Install Nodejs and npm:

Download the latest version of Node.js suitable for your operating system from: <https://nodejs.org/en/download/>.

* To install the latest version of Angular, type the following command:

npm install -g @angular/cli

* 1. **Install xampp to manage database**
* Click on the link: <https://www.apachefriends.org/download.html>
* Download the version corresponding to your Operating System and install
* Launch a query to create the necessary tables in the program saved in folder db