

Tools and Technologies

Selecting the correct tools from a wide range is not an easy task. After researching many technologies that suit our requirement and affordability although we are more focusing on the software. Because when it comes to hardware we are selecting an infrastructure from a service provider instead of setting it locally.

To build the front end we are using HTML/CSS and JavaScript with one of the powerful and free IDE for personal and commercial use is Visual Studio Code (recommended version 1.47).

For the back-end side we going to utilise the development software platform infrastructure from Firebase this platform this is a paid service it works with multiple platforms, for instance, it supports web, IOS and Android applications, it also integrates hosting, authentication and database and storage and more. In the beginning, we going to use it as hosting, authentication and database. There is no need to use SQL because is a cloud-based solution, so data is stored in JavaScript Object Notation (JSON) format that would simplify the data management.

To manage our firebase platform, we need to have Node installed in our machines (recommended version 12.18.3 LTS) and node package manager firebase-tools (recommended version 8.7.0) to access the control panel for the entire back-end of our application.

All members of the group have basic knowledge in HTML/CSS and some of us possess basic knowledge on JavaScript (JSON) and Visual Studio Code editor. Regarding Node and Firebase, none of our group members has any experiences on them.

References

[Visual Studio Code](#)

[Firebase](#)

[Node](#)