Zingy web service, is not as robust web site/app. Is simple web facility that we provide to the user that want to find out any recipes to use the ingredients that they have.

Seeing this situation, we as a group, agreed to develop something that could be easier to maintenance and would be easy for the user to use as well.

We researched in the developing market all the technologies that could fit this project and we wouldn’t have problems to keep it working in the future. After analysing and considering all the possibilities, we found some technologies that we thought we wouldn’t have problems to use and develop our project with them. We had to consider as well that we wouldn’t have too much time to learn this new tech’s, then we choose the ones that we believe that could help us more than waste our time.

Database:

Our project requires just one database, a simple one can be used for this.

As we were using since the beginning of the curse, we opted to keep using MySQL as database.

MySQL is a free platform, very simple and is not complicated to be used and maintained. MySQL was created to be an open source and able to compete with huge companies as Oracle and SQL. This platform is easy to use, scalable, fast and it fit for us, because it totally free, as we don’t any expectations to get paid for this now.

MySQL is one of the most used databases is the world, because it secures all the data stored. It makes the system secure and reliable. MySQL guarantee the restore in case the system fails, using a backup.

MySQL doesn’t require too much experience with databases and it is simple to learn. With few SQL statements, we can build a good database and interactive. But that doents mean, that our database is not efficient, because it is free or because MySQL is very simple open source database.

MySQL is scalable, the default size is 4GB, but some fonts say that the maximum size is 8GB.\*

<https://www.novell.com/documentation/nw65/web_mysql_nw/data/aj5bj52.html>

MySQL prevent memory leaks, that’s mean that all data is secure in the database. You can access the contents of the database only if you can pass through the authentication.

MySQL provides SSH and SSL pro make sure that the user can have a safe connection and can access the databases with no risk of been hacked by any strangers.

All those advantages counted for our decision for use this database.

Developing Languages

Once we are using MySQL as database, we though that there is no better language than PHP to make the interaction between system and database. PHP is a bit similar with C and C++ then the logic is not so hard to learn what is still unknown.

The language is very simple and straight-forward, making the system works fast and efficient.

PHP is just used to do this connection. The group voted and agreed that PHP would be great to do the connection, but the system would be better if developed in another language, JQuery Mobile.

“jQuery Mobile is a HTML5-based user interface system designed to make responsive web sites and apps that are accessible on all smartphone, tablet and desktop devices.”

-<https://jquerymobile.com/>-

JQuery makes the job easier as it gives templates and open sources to developers to create webpages ad apps quickly and efficiently.

Another advantage is that once that you are developing in JQuery mobile, it makes your application be available for all kind of devices, after configured. You don’t need to make two different application.

JQuery is free and there are loads of books and tutorials in the web to gives us a hand when necessary. The language facilitate our work without make us lose any quality.

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