


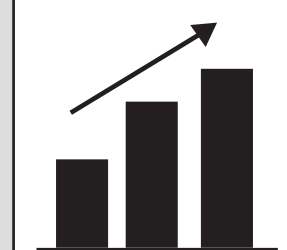
JUSTIFICATION

We started the project for a school job, based to improve our skills in the informatic field and also the management of the projects.



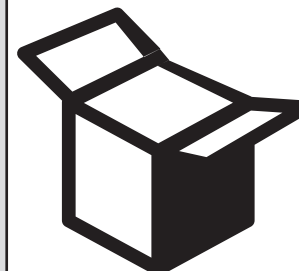
SMART OBJECTIVE

Create an arduino program to capture data and send it into a DB, and then view it from a web page




BENEFITS

The school can use the web pages to see all the graphs of the temperature and umidity of all the classroom, and assign them by watching the data



PRODUCT

The product is a system that is able to measure the temperature,umidity and sound from a determined area and stores the data into a database.



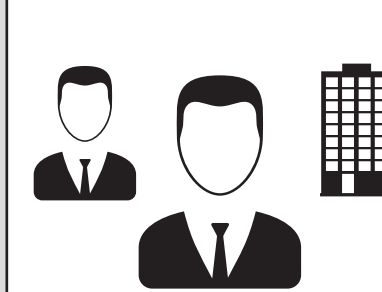
REQUIREMENTS

Knowledge of:

- arduino
- git and github
- sql for databases
- html and php for web pages


Modules:

- Fishino Mega (arduino)
- Devices for the caputure of the data



EXT STAKEHOLDERS


The "Arietta" project is intended for the School and the students.



TEAM


The members of the team are:

- Haowei Du (Master)
- Andres Gilt
- Sansone Robert



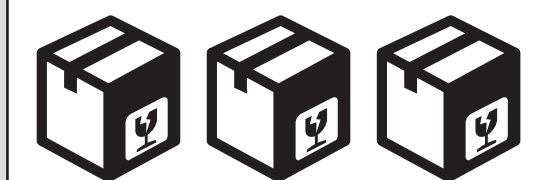
CONSTRAINTS

We may not have the knowledge to make the project faster, so we may have to learn new technologies in order to design the job.



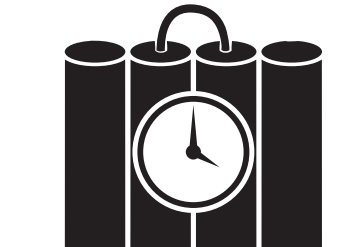
ASSUMPTIONS

We assume that at the end of the first period we finished the first beta version of our project. Then we will provide to complete it in the second period.




DELIVERABLES

At the end of the project we will deliver all the stuff that is contained into our repository to the school: the arduino code, the databases and the html web file.




RISKS

Someone could connect with the arduino to steal the data and send it into another database.



TIMELINE

For the realization of the first version of the project we needed about two months for the dividing of the homeworks, learning new instruments as arduino, and the implementing of a database system.



COSTS

Since the school had all the materials we needed, the cost of the project is null.