CoderDojo Luxembourg

Engaging youth in Technologies

Edition 2015

Steve Clement

steve@localhost.lu

@SteveClement

Who are we?

Coder Dojo is an International movement of technology enthusiasts who believe that there are many ways of engaging youth with Technologies by taking a very practical, hands-on approach. Specifically in Luxembourg the CoderDojo is powered by CodeClub Luxembourg [1] whose goal is to grow CoderDojo-like efforts all over the Grand-Duchy.

Our concept

Motivation

For well over 20 years no real progress has been made in educating children in the realm of new technologies. Whilst these so-called new technologies are not that new anymore, we felt the strong need to provide a regular offer where children can get in touch with technologies in a target appropriate way. All-tough the Luxembourgish government is also making efforts in approaching children to technologies, our approach is pragmatic, the opposite of a teacher centered course and most of all...FUN

Our idea

At CoderDojo Luxembourg everything is about real life. The applications, games and other projects we have fun with are all based on real needs. Generally we let the Kids have fun with some very elementary tutorials where they get to know the basics of programming after which we guide them towards their own ideas.
Being based at Level2 has the advantage disposing of an amazing infrastructure where we have not only space to code but also to play around with 3D Printing, soldering of electronics, a vast amount of robotic kits à la (and including) Lego Mindstorms.
The mode of operation is to stimulate the kids creativity in a natural way by letting them fail at first, encourage them to find a solution, talk to the other Dojo members to see if there is a peer who can help and finally mentor them into the right direction once the group (or Google) hasn't found the path.
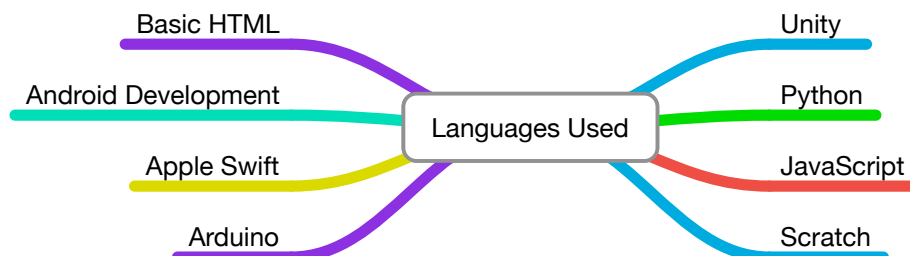

Figure 1: Programming Languages Used

Our current content

Your advantage

Depending on the chosen sponsorship Level you help us create a viable future for our efforts and whilst everyone agrees it's important to invest into our Future, actually being a real part in this premise.
Further-on this will play an integral part in the economic future of the upcoming work force. Again everyone agrees we need more people going into the technology sector, yet, no real efforts are being made to make this come true.
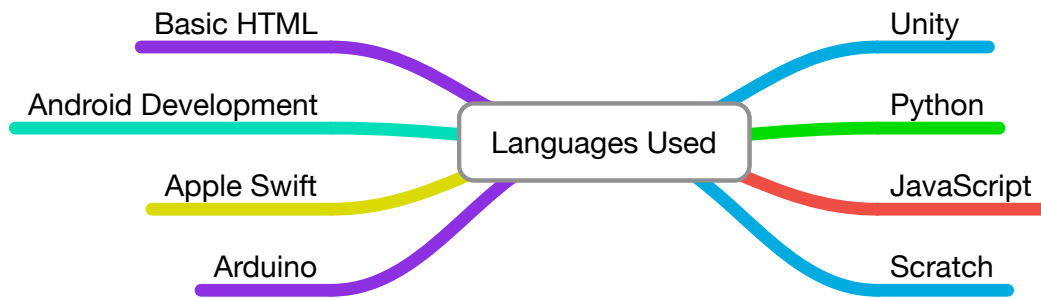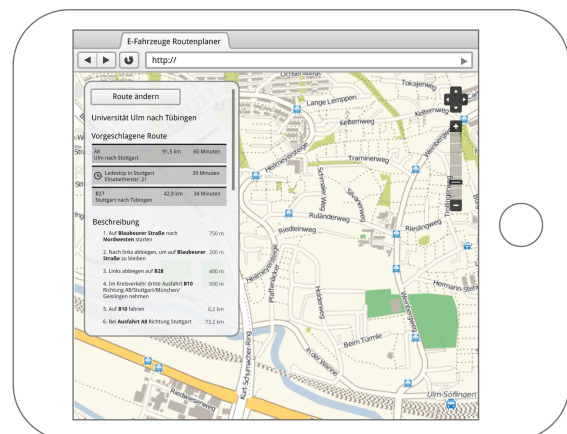
---

[1]http://www.codeclub.lu

Figure 2: Programming Languages Used

We will strongly involve you and your company into our efforts giving you media exposure, including you in our tutorial examples, having you CI in our mobile apps and why not give people at your company the opportunity to volunteer for the Dojo.

(a) Interface Mockup, Smartphone

(b) Interface Mockup, Tablet

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua.

Unique advantages

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

CSR

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua.

Foo Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua4. At vero eos et accusam et justo duo dolores. Clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.
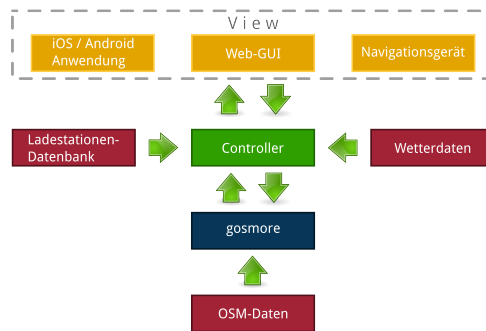
Figure 4: Architecture

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

Bar Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

Quux Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

Technologies We initiate everyone to the concept of versioning by creating Github [2] accounts to keep track of their changes and have a better understanding how their code and the code of their peers has evolved.

License Every line of code that is being produced by the Kids will be owned by them, or their legal representative and we encourage them to License their code under any Open Source License [3] to make the code shareable and reuseable.

Roadmap In the following months we will use the raised funds to Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

Packages

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt.

Micro Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo.

Small Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo.

Large Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est.

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

---

[2]http://www.github.com
[3]http://www.licensechooser.lu