




CoderDojo Luxembourg

# Engaging youth in Technologies

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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 <sup>1</sup> 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.

### Our current languages taught by mentors

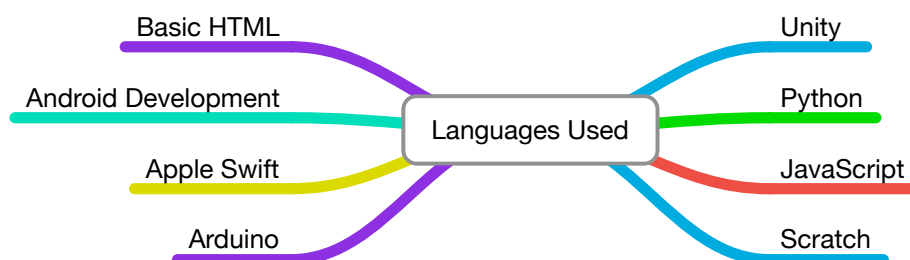


Figure 1: Programming Languages Used

**Technologies** We initiate everyone to the concept of versioning by creating Github <sup>2</sup> 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 <sup>3</sup> to make the code shareable and re-useable.

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<sup>1</sup><http://www.codeclub.lu>

<sup>2</sup><http://www.github.com>

<sup>3</sup><http://www.licensechooser.lu>

**Roadmap** In the following months we will use the raised funds to enable an individual to be a part-time employee at the heart of the CoderDojo Luxembourg efforts. This person will be in charge of creating innovative code content and taking the lead in the weekly CoderDojo's this enabling us to provide a bi-weekly Dojo to accommodate our constantly growing waiting-list.

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

TODAY

## Your advantage

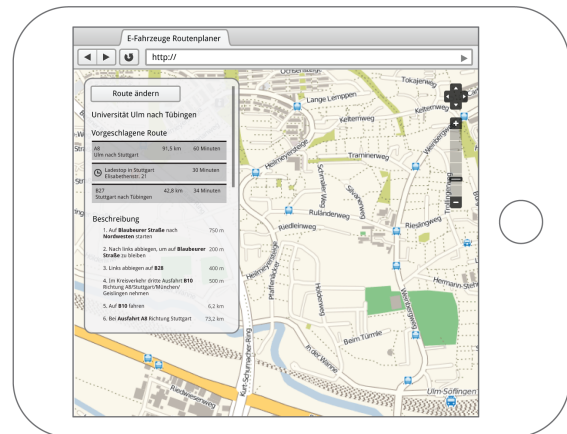
Depending on the chosen sponsorship Level you help us create a viable future for our efforts and whilst everyone agrees it's important to invest into our Future, actually being a real part in this premise.

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.

We will strongly involve you and your company in our efforts giving you ultimate media exposure, including you in our tutorial examples, having your CI in our mobile apps and why not give people at your company the opportunity to volunteer for the Dojo to experience the immense joy of sharing knowledge themselves.



(a) Interface Mockup, Smartphone



(b) Interface Mockup, Tablet

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## Unique advantages

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## CSR

The more cynical among us might deem CSR as a fancy word for giving back to our society. At CoderDojo we believe that CSR is already an integral part of any successful venture and not only gives to the community being sponsored but also fosters a strong bond within the different teams who are eventually involved in helping the community out. Further on can CSR help illustrate the real reasons a company adheres to a country and it's current economic model. We would be glad to provide any written statements on the strong partnerships we will forge during our common efforts.

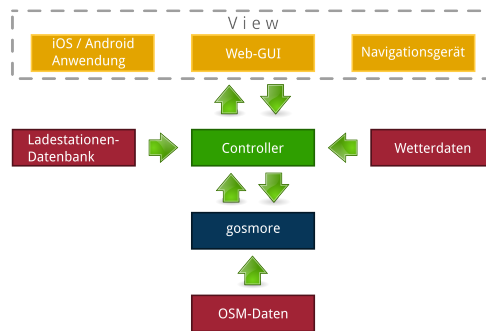


Figure 3: Architecture

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## Packages

The following sponsorship packages are at your disposal and are not set in stone but can be negotiated on per-need basis and are structured in a crowd-fund matter.

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