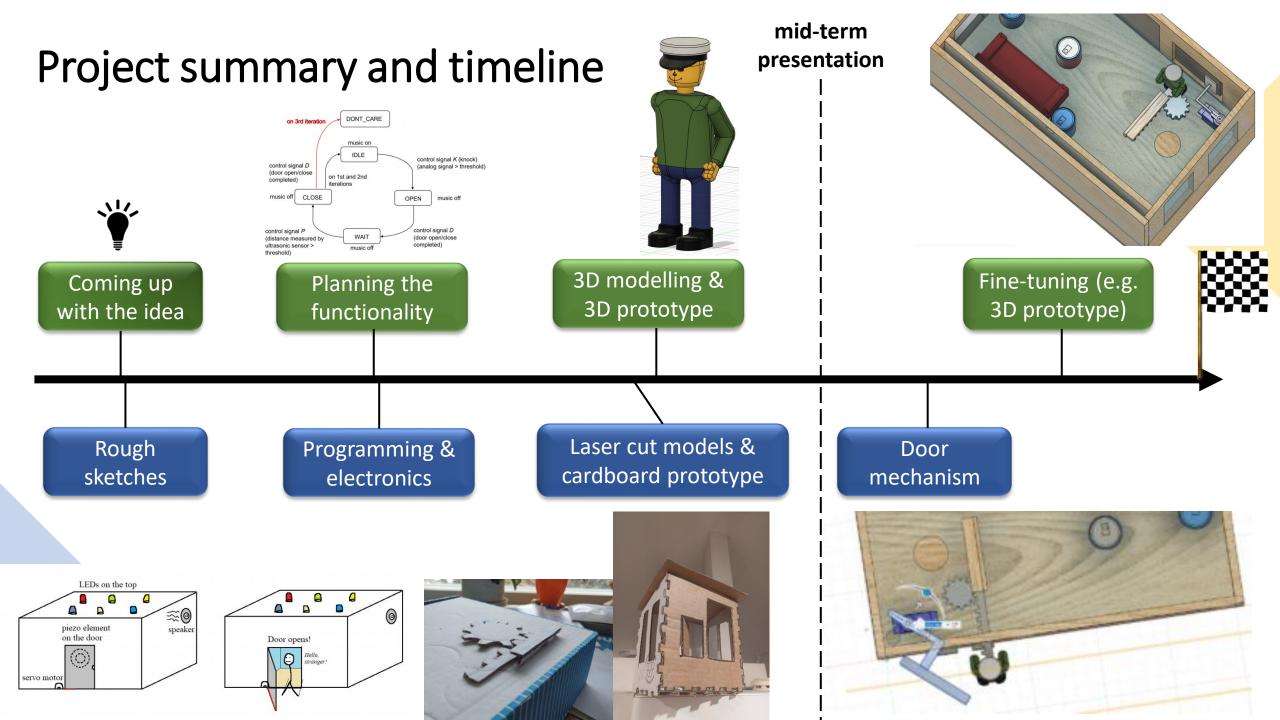
Wakey Wakey Machine

Final presentation

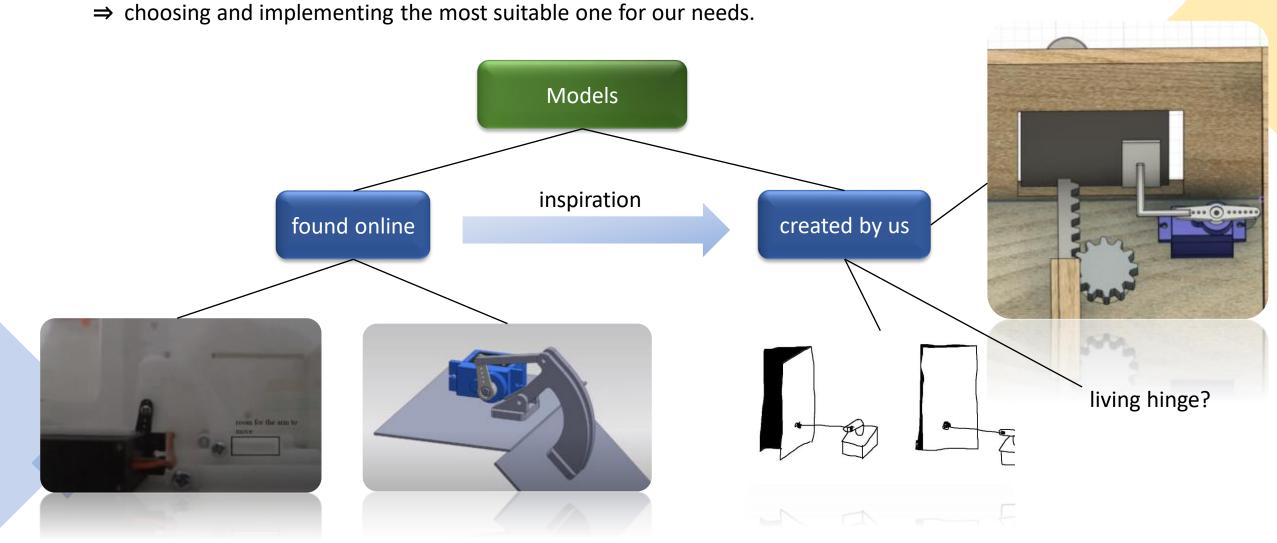
Niko Heikkilä Jyrki Kankaanranta Jimi Käyrä Martti Mourujärvi





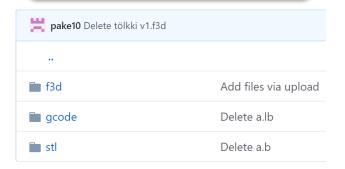
The door

• Assessing the pros and cons associated with different solutions



Some fine-tuning

Tidying up the repository



Going through the whole documentation

Search Results for: WakeyWakey Machine



WakeyWakey Machine, week 9: Summarizing the project

ry (2020 / by pakel0 / Conclussion, Digital

Some finishing touches and a summary Last week, we did some research on different door and hinge mechanisms. As a result, we came up with some viable solutions for implementing it but not being who. Read More.



WakeyWakey Machine, week 8: Finally fixing the door

pril 30, 2020 / by pakel0 / Digital Fabrica

Planning and implementation As previously discussed, the main issue stems from the fact that the servo's pivot point can't be placed exactly on the door hinge without modifying the house itself. Due to this discrepancy...Read More +



Machine, week 7: An additional look into the door and figure mechanics

April 17, 2020 / by pakel0 / Digit 2020 Weekly Development

Planning and implementation At the beginning of week 7, we attended the mid-term presentations. We presented our work using the mid-term presentation and our rather estensive documentation as a basis. After the humorous presentation, we received.. Read More +



WakeyWakey Machine, week 6: Furnishing and decorating the house

3, 2020 / by paket0 / Design, Digital

Planning and implementation Having refurbished the TinkerCAD prototype last week, we wanted to focus on the sole appearance of the house this week. Jyrki had finished modelling some furniture to be placed inside the house;... Read More »



WakeyWakey
Machine, week 5:
Some improvements
and finally, some

music! April 7, 2020 / by pake

Planning and implementation Having created the electronics schematic last week, we came across the fact that the TinkerCAD prototype could be more accurate. We still can't simulate a SD car reader or a speaker with. Read More >



WakeyWakey Machine, week 4: Finishing with the electronics and some tidying up

Weekly Develop

Week 4: Finishing with the electronics and some tidying up A short recap, planning and implementation Last week, our main focus was in designing the physical housing for our project. The casing itself



WakeyWakey Machine, week 3: 3Dmodelling, some vector graphics and a cardboard prototype!

ril 2, 2020 / by paket0 / Design, Digital

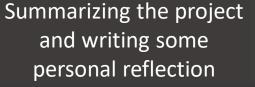
Planning and implementation of the 3D structures Since we have proceeded with programming apparently as far as we can without having occess to an Arduino or any components, we decided to start



WakeyWakey
Machine, week 1:
Introductory report
Machine, week 2:
TinkerCADprototype,
Trock and a condition of the condition

some careful point was the drarm clock; however, we planning didn't want to go with the... Read More -

Planning and implementation This week we continued writing the code and bega constructing a TinkerCAD prototype. However, before continuing with programming, there were some refinements and changes we wanted to



Reflection and lessons learned

We have already discussed the specific challenges we have faced over the course of the documentation and described how we managed to solve them. However, there have been some recurrent themes we have run into during the project and we began the reflection by summarizing them.

A key challenge over the course of the whole project has been the **planning and implementation of the project with very little physical footing.** Without having access to
Fablab, we were largely limited to 3D modelling software when planning the house and
simulating the door mechanisms, for instance. Martti did build a fine cardboard prototype
of the house and while it turned out to be a great aid in visualizing our plan, testing
different mechanisms with a cardboard prototype wasn't very beneficial or let alone
convenient As a result we had to adapt to a cardin level of abstractness. One

Key lessons learned

Never omit seemingly small details in design...

Plan carefully in advance.

Trial and error can be a surprisingly useful method when learning to use 3D modelling software!



