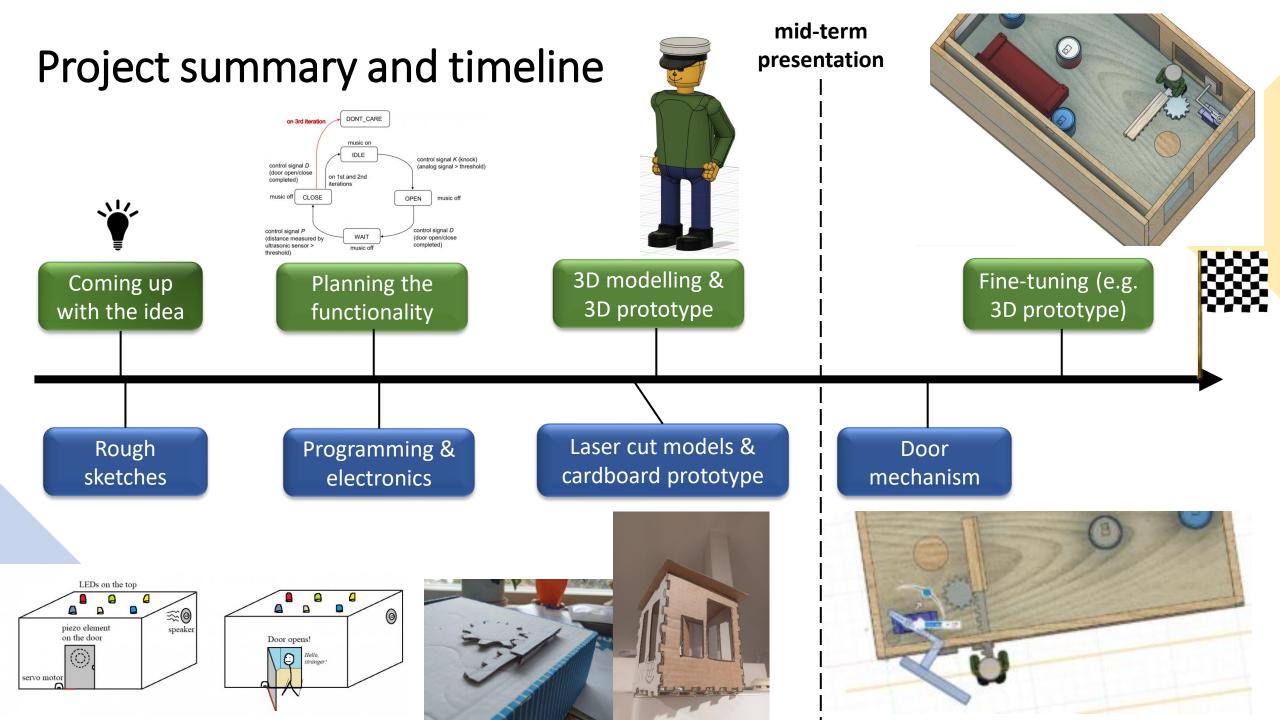
# Wakey Wakey Machine

# Final presentation

Niko Heikkilä Jyrki Kankaanranta Jimi Käyrä Martti Mourujärvi

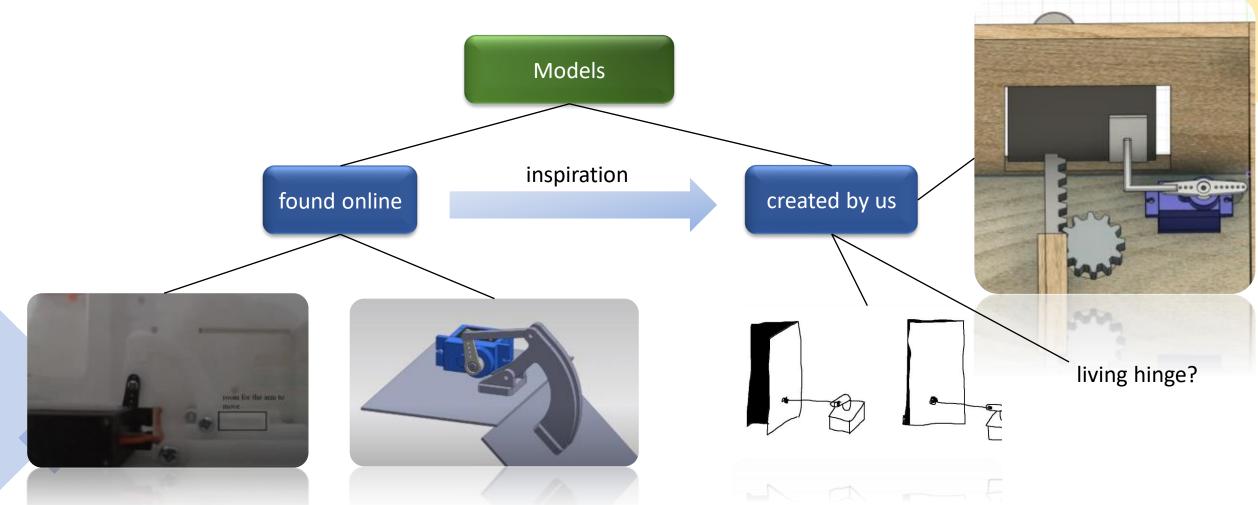




### The door

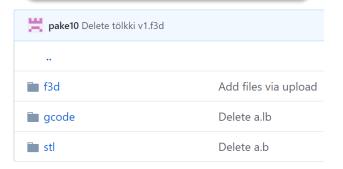
Assessing the pros and cons associated with different solutions

⇒ choosing and implementing the most suitable one for our needs.



### Some fine-tuning

### Tidying up the repository



### Going through the whole documentation and fixing some flaws

#### Search Results for: WakeyWakey Machine



Machine, week 9: Summarizing the



WakeyWakey Machine, week 8: Finally fixing the

stems from the fact that the servo's pix



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

presentation we received. Read More



WakeyWakey Machine, week 6: decorating the house

appearance of the house this week. Jyrki



Machine, week 5: Some improvements and finally, some music!

accurate. We still can't simulate a SD



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

some tidying up A short recap, planning



WakeyWakey Machine, week 3: 3D prototype!

rogramming apparently as far as we



WakeyWakey Machine, week 2: TinkerCADprototype, some careful

planning



WakeyWakey Machine, week 1: Introductory report

it all begin? When starting to plan our project during the first lecture, our starting Summarizing the project and writing some personal reflection

#### **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 adopt to a certain level of abstractness. One

## Key lessons learned

Never omit seemingly small details in design...

Plan carefully in advance and have a plan B (and preferably C, D, E, ...).

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

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I'm so great
I'm pretty go
but know m
limitations
I know nothing

None
Average
Expert

small details

maintaining the

the overall view

The Dunning-Kruger effect