

Particle Bank

Pihla Toivanen, Matias Ijäs & Qianyue Jin

Why do we need this software?

- Our acquisitive society presses persons to buy a new item instead of fixing the old one.
- Finnish people individuality causes that every Finn have many items they don't use.
- Over 69 millions of tons of waste is produced in Finland per year.

What does our software improve?

- Knowledge about waste minimisation
- Social life and togetherness through groups
- Students save money
- Prevents materialism

Information about our software

- We are using Ruby on Rails web framework.
- Main idea was to create a community service, where users could borrow items and get knowledge ecological life.
- User can:
 - join to the group -> user's items join to group's item bank
 - make a borrow request for an item in the group
 - ask for an item "Does anyone have a vacuum cleaner?"

What next?

- Add “People”-section, “Category”-section and “Own Profile” and search to our GUI
- Gathering server data (CO2 emissions) and use it in our software
- Create possibility to answer item requests
- Test it with a small society

https://github.com/UMTti/Kamapankki_

GUI plan






Particle bank

name: Matias Sjö ID: 160112






Server 250520141206

Q search











People More

-  Riku Vilppula M
-  Joni Sorriala M
-  Nicklas Ahlström M
-  Mirjam Kauppi M
-  Julia Tofferi M

Groups More


-  Green Hackathon M
-  Espoo M
-  Otaniemi M
-  Valkeakoski M
-  Tampere M

Items More

-  Basket M
-  Pihla Toivanen M
-  vacuum cleaner M
-  Pihla Toivanen M
-  Javascript book M
-  Pihla Toivanen M
-  Room plane M
-  Qianqie Jin M
-  Relaxing sofa M
-  Qianqie Jin M

Messages More



- Pihla Toivanen wants to borrow your baseball M
- Pihla Toivanen wants to borrow your baseball M
- Qianqie Jin wants to borrow your psp M
- Qianqie Jin wants to borrow your cat's shoes M






n: Matias Sjö
e: matias.sjo@helsinki.fi
k: Valkeakoski
p: 0505273533

Introduction M
Hi, I am student from Päävölä







Friends M







-  Pihla Toivanen
-  Qianqie Jin







Groups M








-  Päävölä
-  SIL Toijala
-  Akaa

Your items M







-  add
-  join
-  PM
-  delete
-  show more
-  modify
-  opens search categories

Q

- From your city sport (105) free-time (89)
- From groups home (21) activity (70)
- From friends school (69) games (65)
- Matching items work (45) tools (29)
- Recommended garden (21) books (17)