

CoTinker

A web-based, modular toolkit for exploring collaborative and flexible learning environments for Informatics and other subjects in secondary and higher education.

The process of CoTinker

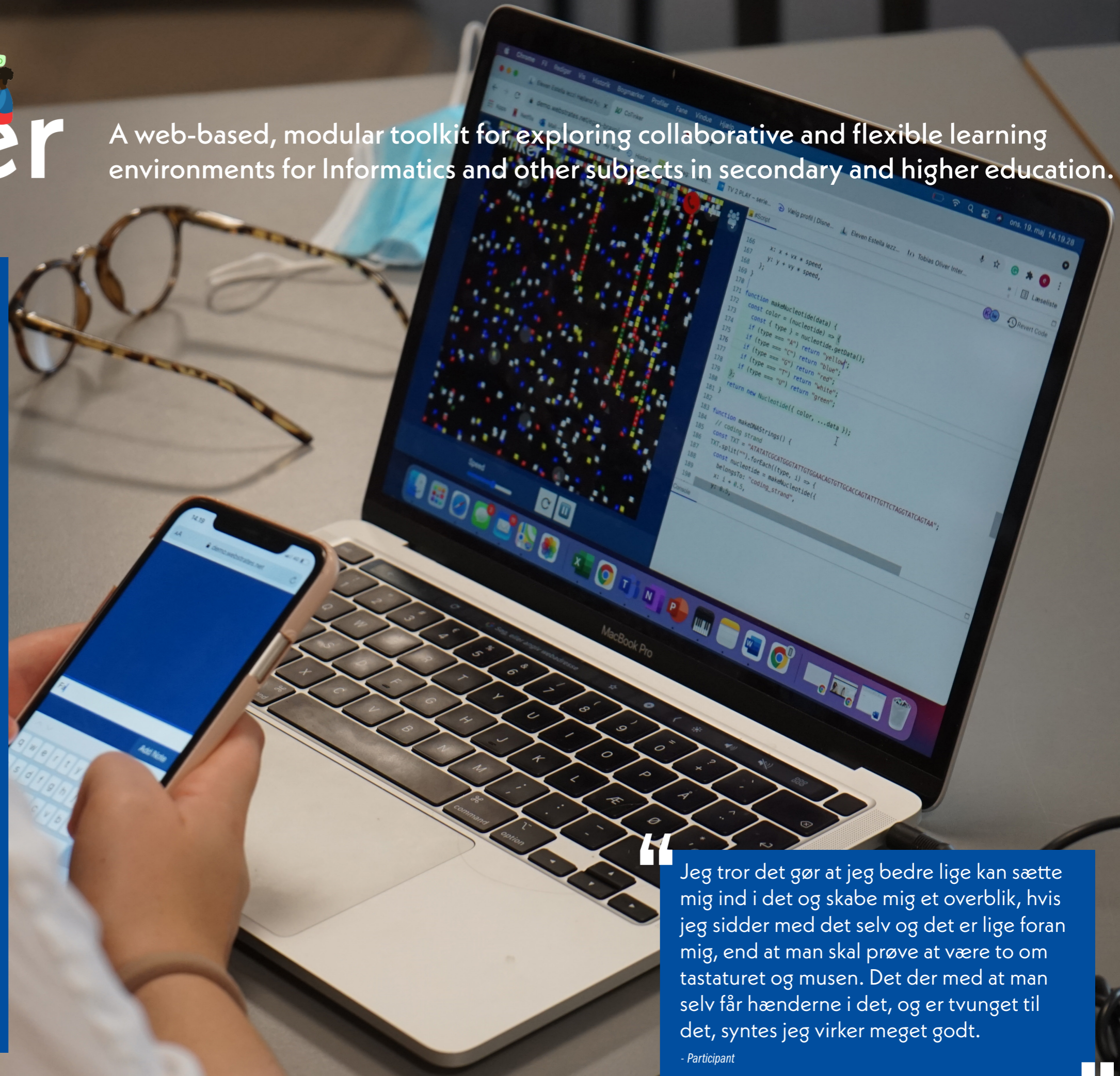
- Development of infrastructure
- Design and implementation of user interface
- Constructing and implementing the biology assignment in CoTinker
- Testing with a high school class

Key findings from the evaluation

- Cross-device configuration for the personal workspace
 - Integration of laptop and mobile
 - Different complementary roles
 - Eliminating device context switches
- Scaffolding learning process
 - Coordination in software
 - Integration between learning activities (reading, writing, coding, interacting)
- Collaboration
 - Private workspace: the user have the possibility to work with the model in private while still engaging in the collaborative process
 - Shared workspace: the users have to communicate and coordinate their actions

Future work of CoTinker

- Collaboration with teachers and students to developing course material
- Further development of components for the CoTinker toolkit
- Continuous evaluation with students and teachers
- Compose research publications based on the empirical findings



“Jeg tror det gør at jeg bedre lige kan sætte mig ind i det og skabe mig et overblik, hvis jeg sidder med det selv og det er lige foran mig, end at man skal prøve at være to om tastaturet og musen. Det der med at man selv får hænderne i det, og er tvunget til det, syntes jeg virker meget godt.

- Participant