

Motivation

Create a tool that provides opportunities for reflection on the 'in-between' stages in making/ engineering

Problem

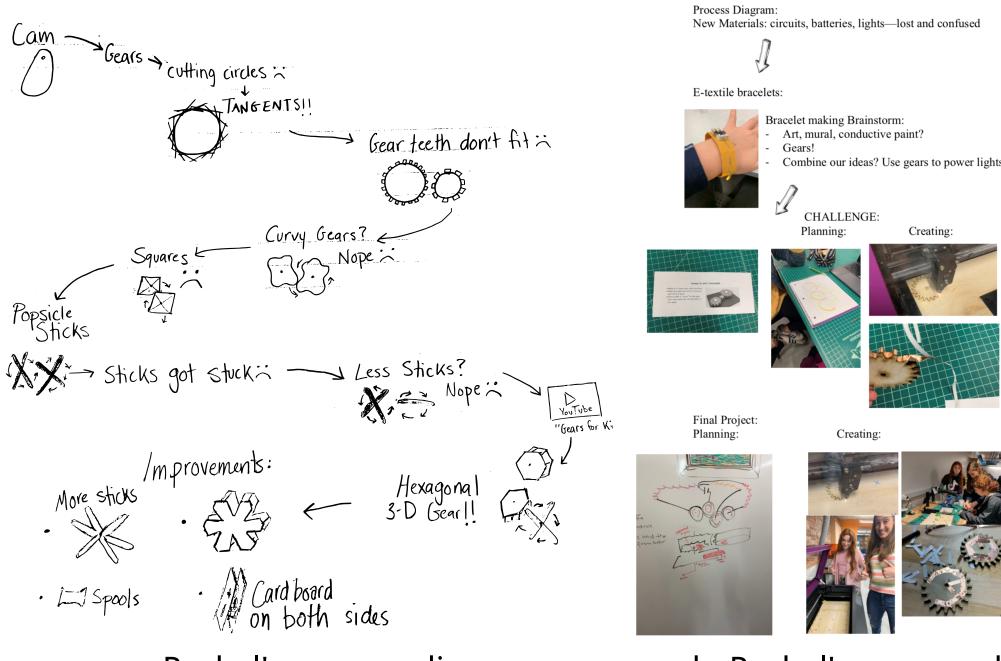
- Existing e-portfolio platforms let users update the content only after their work is complete
- Most people find it cumbersome to document their work, as they are working on a project

SNAPR (Snap, Narrate, Auto Post & Reflect)

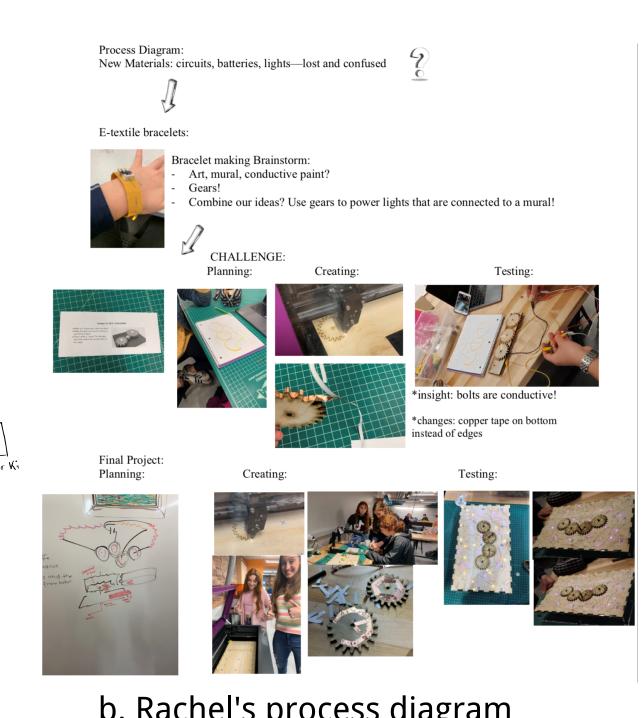
- Lets students auto-populate their e-portfolios while they are working on their projects
- Users can access SNAPR using any web browser
- Low cost (\$57)

Early observations

- Students were reluctant to try out SNAPR
- Presence of tools to capture pictures (SNAPR, Go Pro, DSLR camera) encouraged students to take more pictures on their own
- Students created process diagrams that included pictures that the instructors took during class



a. Rachel's process diagram for the first project

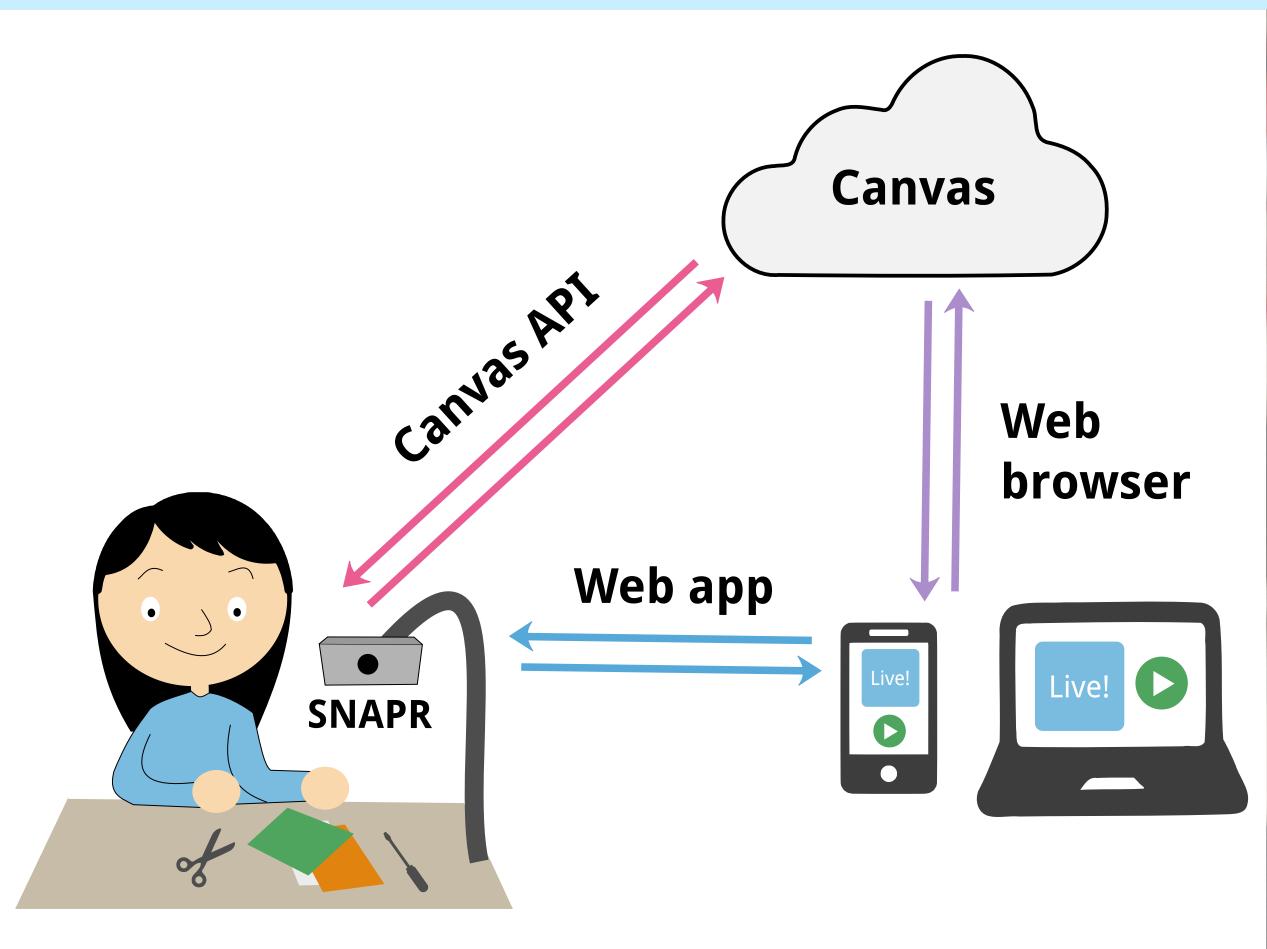


b. Rachel's process diagram for the second project

SNAPR - A tool to capture making processes and auto-populate student e-portfolios to encourage reflection.



github.com/dipeshwor/SNAPR





Auto-Post Edit & Reflect Share Point & Adjust Clamp Stop Snap



Future plans

- Integration with Jupyter Notebook to create tutorials that let students modify SNAPR according to their documentation needs
- Using OpenCV's face recognition capabilities to make SNAPR a smart camera system

Try it!

- Scan the QR code below or
- Enter the IP address on your browser



回**出** IP: 130.64.129.116



IP: 130.64.218.123