HCI:
HUMAN COMPUTER

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First, the news…

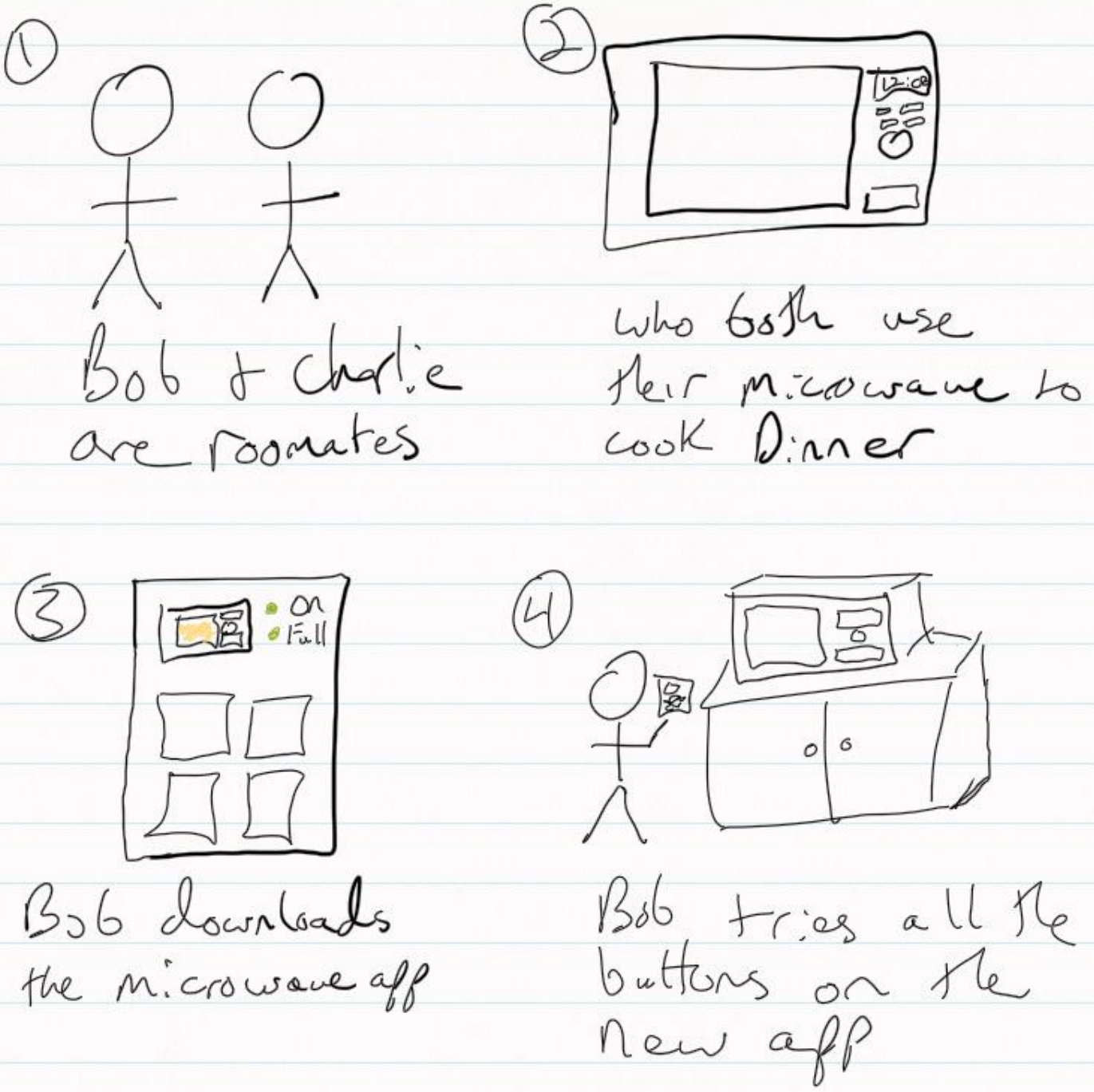
- https://www.youtube.com/embed/videoseries?list=PLC0A3CAC7B3A0E288

Tutorial 2: Human Computer

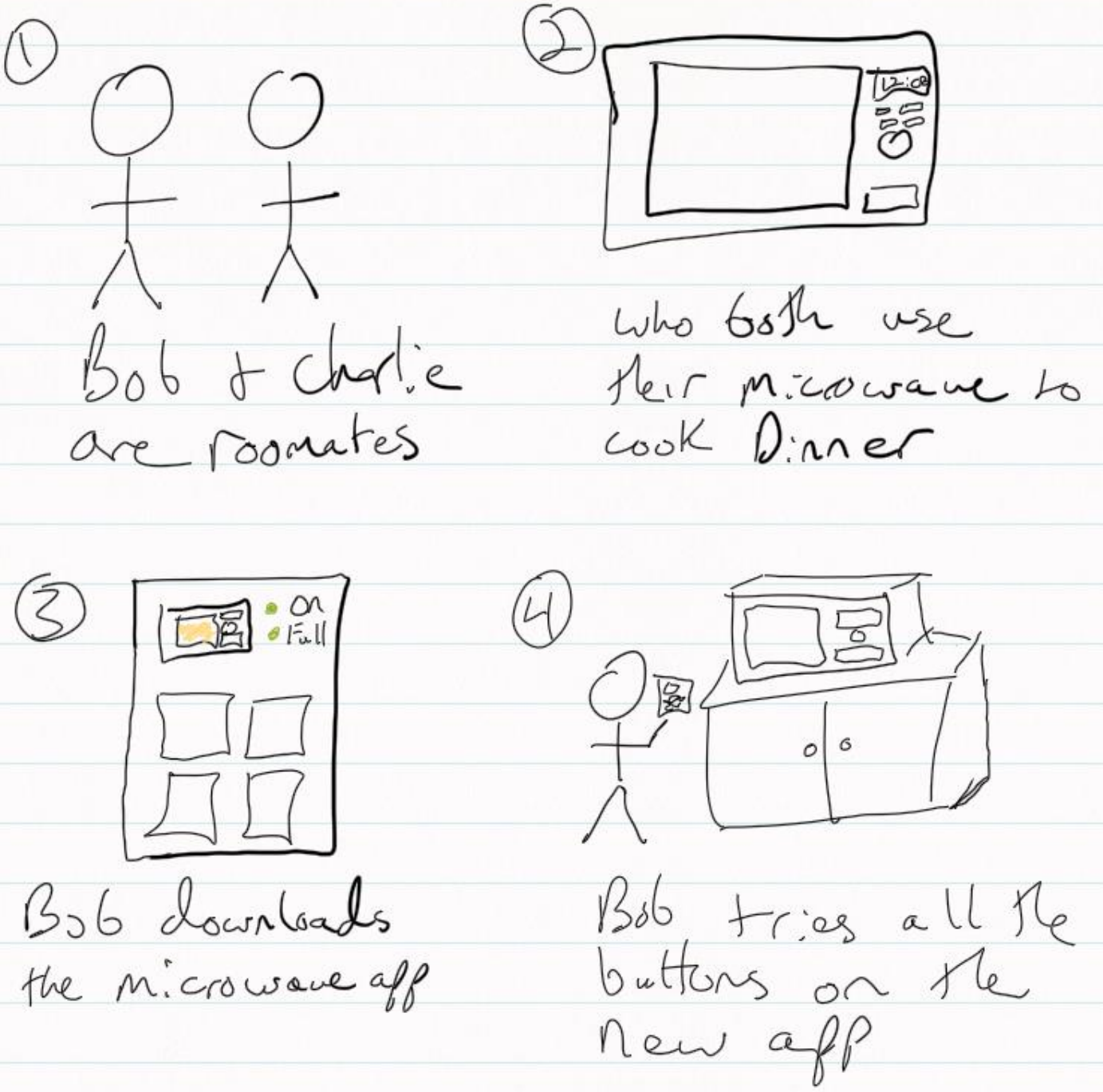
- Next week we will be practicing paper prototype testing
- You may bring **paper** versions of your coursework to test

Paper prototyping

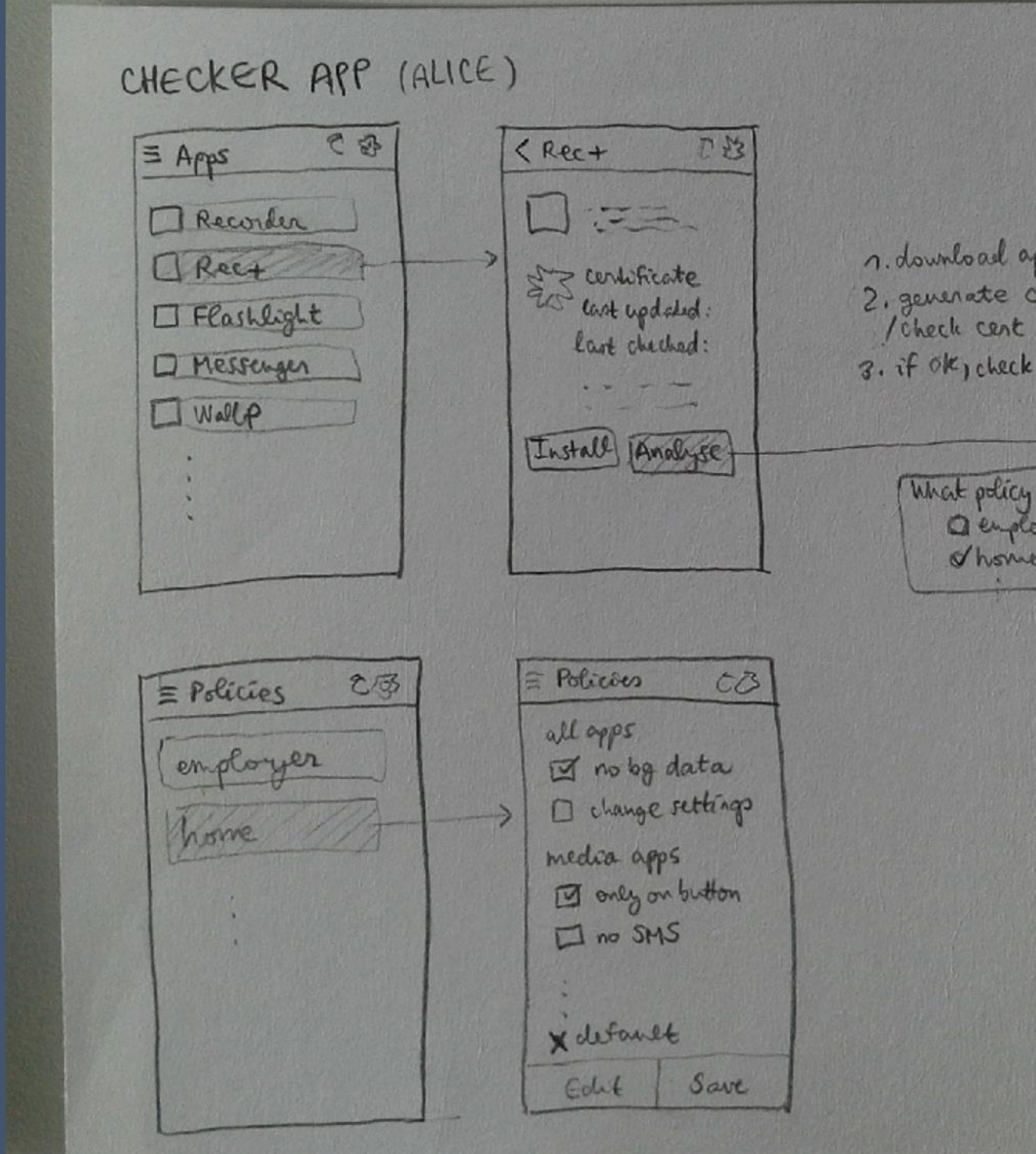
We already discussed storyboards and how they can be used to get feedback about how a design might be used



With storybaords we ask: does this interaction make sense?



With paper prototyping we ask: Are these exact screens usable?



Paper Prototype Testing

- Very basic idea. Take your prototype, print it on paper, show it to someone, and ask for feedback.
- When to use it:
  - Whenever designing or modifying any UI element
  - Nearly always a good plan

The Human Computer

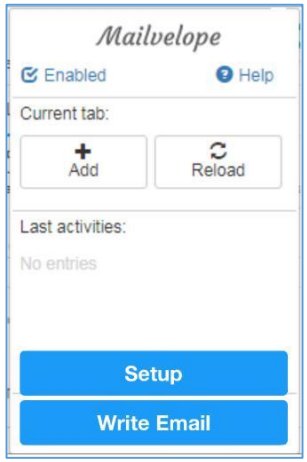
The Human Computer

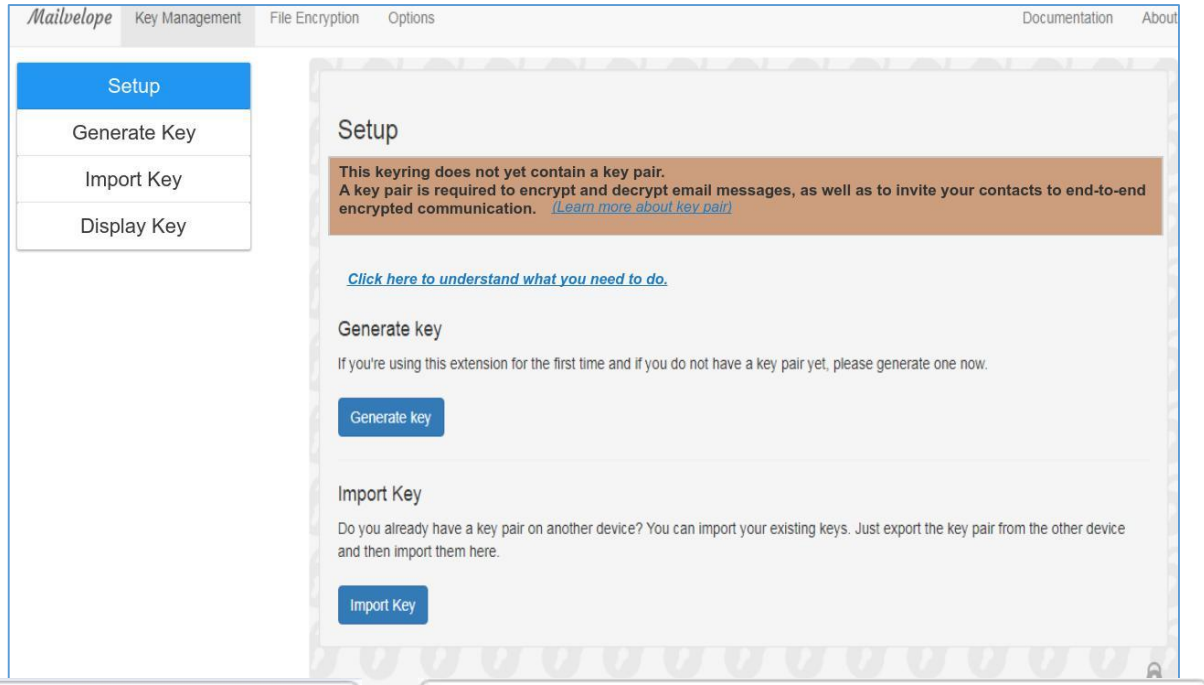
- Formalized method of doing Paper Prototype testing
  - One person plays the “computer” and moves the paper prototypes around in response to the participant’s actions
  - One person plays the “facilitator” who is in charge of making sure the study runs smoothly
- When to use:
  - When you need more formal or in-depth feedback than just showing someone your designs

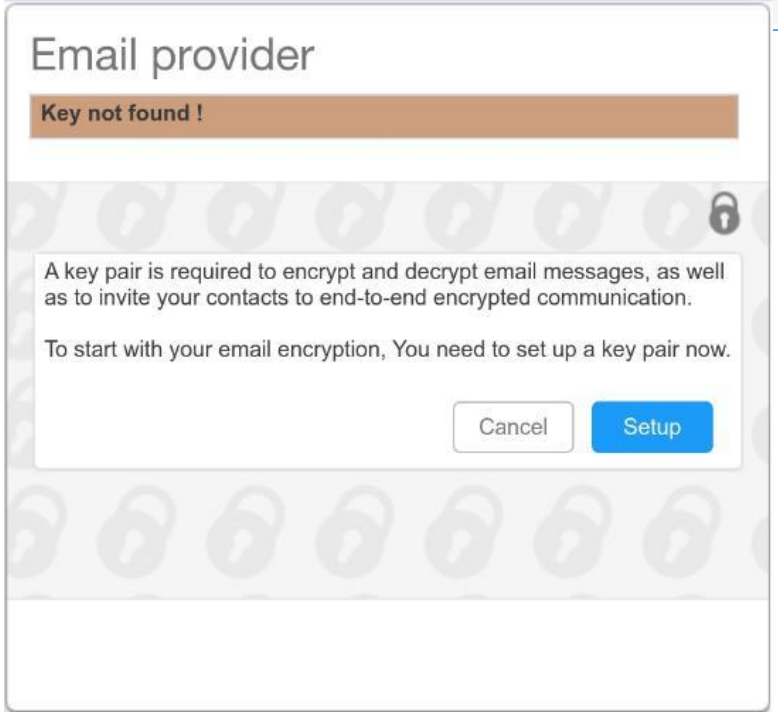
The following is from a Masters student project on improving the Mailvelope plugin on Chrome.

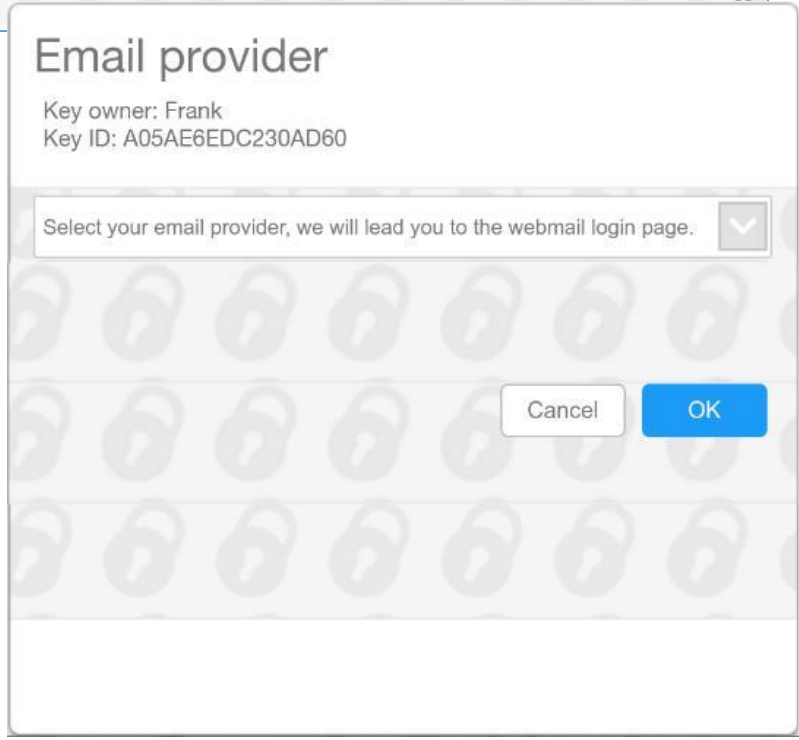
First we created mock-ups of the various screens for our new design

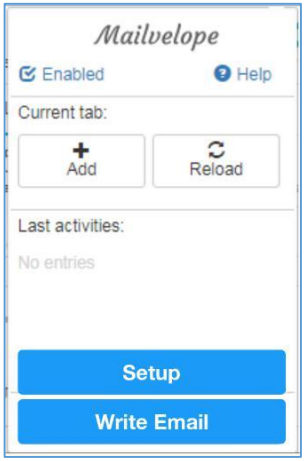
Here are a couple of the screens we mocked up.

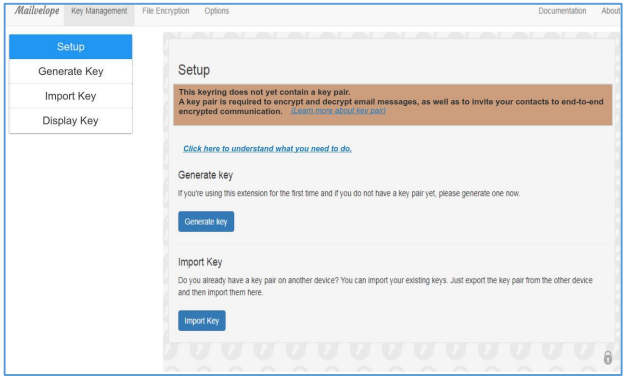


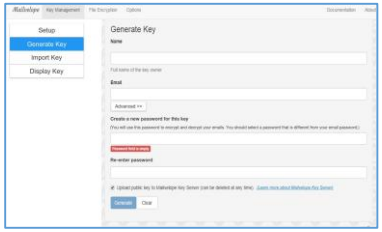


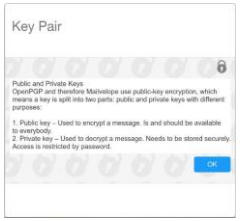


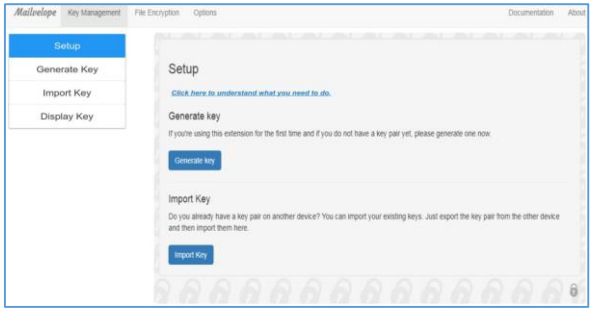


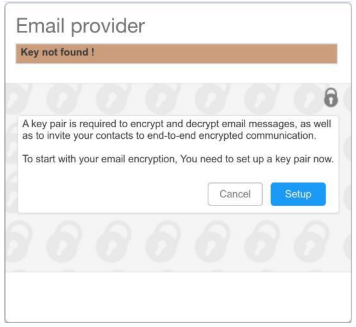




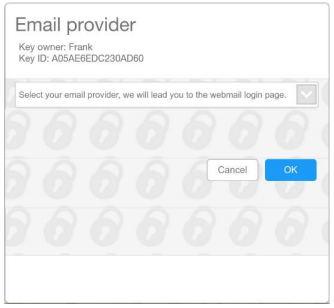


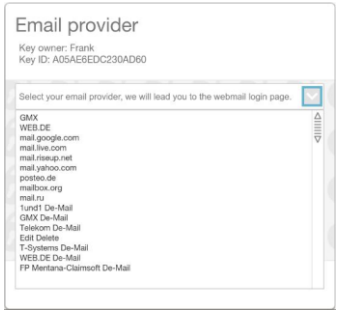


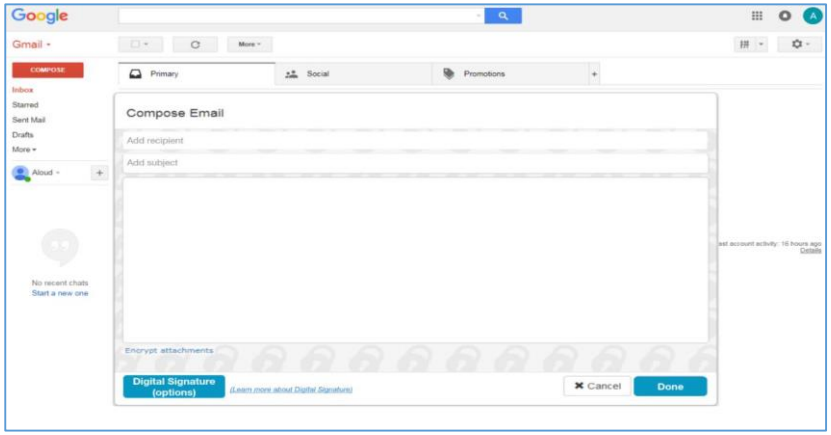


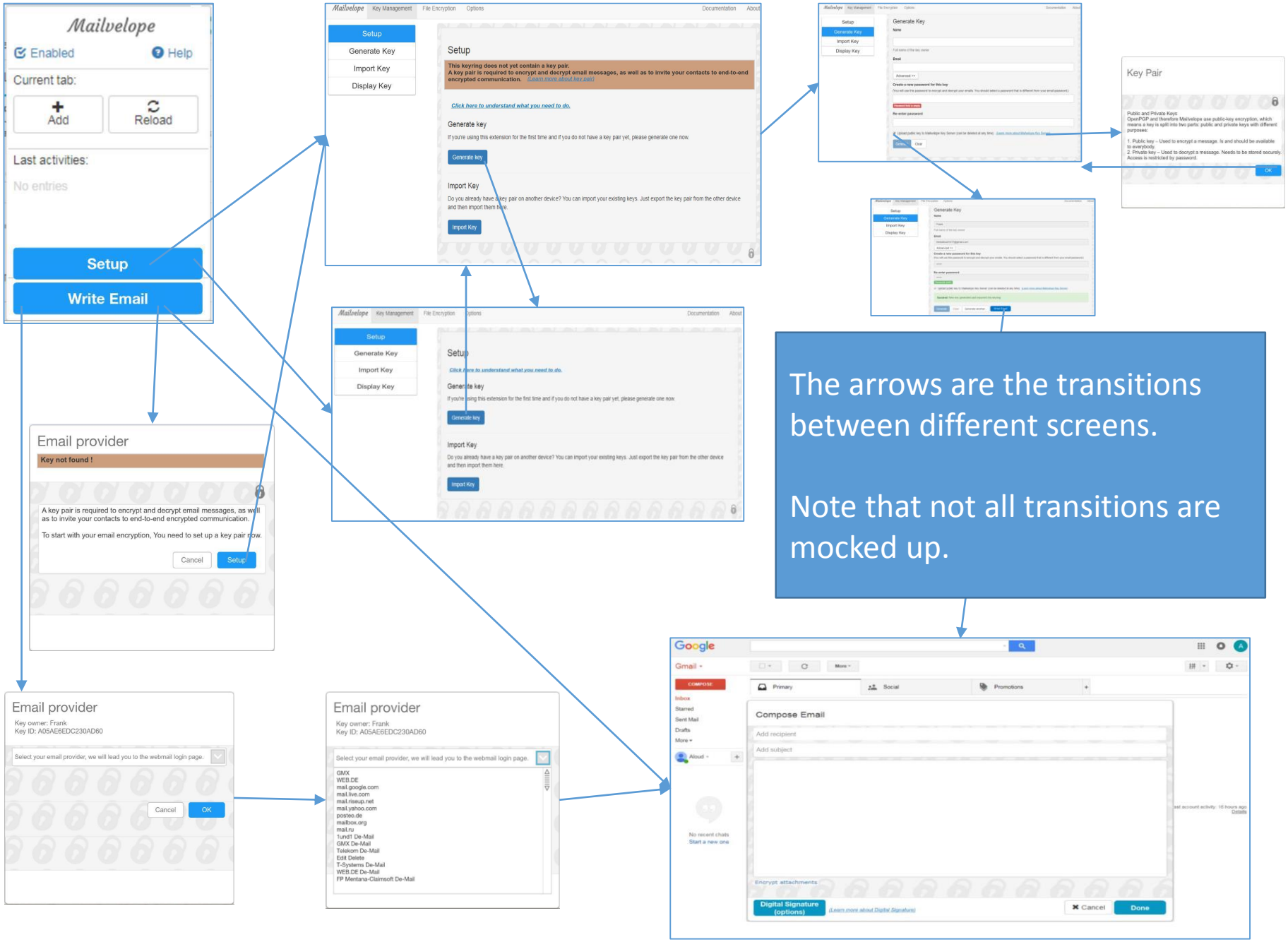


Here is what it looks like for all the screens mocked up, including different versions of the same screen before/after input, and several pop-ups.








Mailvelope
Enabled
Help
Current tab:
Add
Reload
Last activities:
No entries
Setup
Write Email
Setup
Generate Key
Import Key
Display Key
Generate key
Import Key
Key Pair
Email provider
Key not found !
A key pair is required to encrypt and decrypt email messages, as well as to invite your contacts to end-to-end encrypted communication.
To start with your email encryption, You need to set up a key pair now.
Cancel
Setup
Email provider
Key owner: Frank
Key ID: A05AE6EDC230AD60
Select your email provider, we will lead you to the webmail login page.
Cancel
OK
GMX
WEB.DE
mail.google.com
mail.live.com
mail.riseup.net
mail.yahoo.com
posteo.de
mailbox.org
mail.ru
1und1 De-Mail
GMX De-Mail
Telekom De-Mail
Edit Delete
T-Systems De-Mail
WEB.DE De-Mail
FP Mentana-Claimsoft De-Mail
The arrows are the transitions between different screens.
Note that not all transitions are mocked up.
Google
Gmail
Compose Email
Add recipient
Add subject
Digital Signature (options)
Cancel
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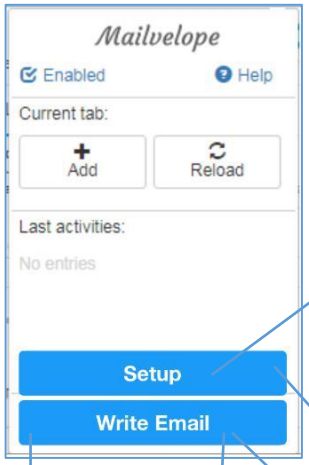
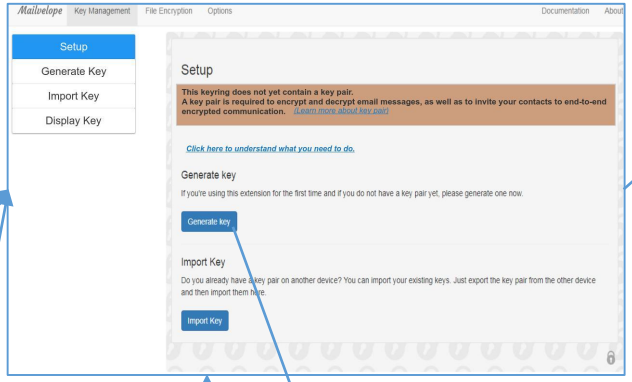
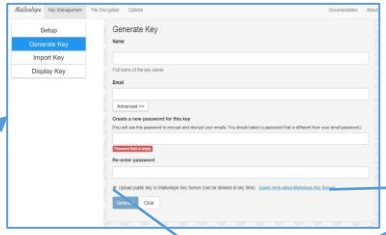
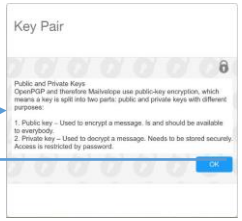
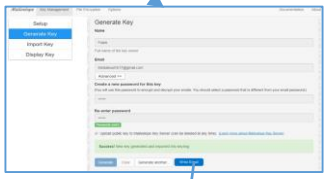
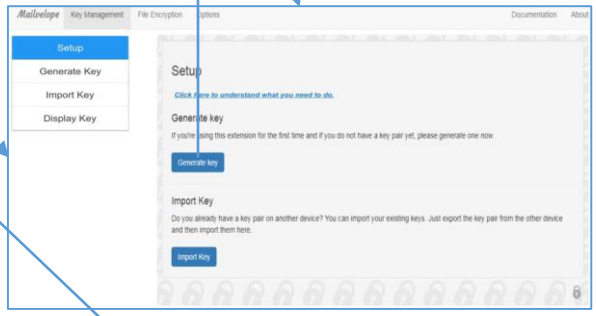


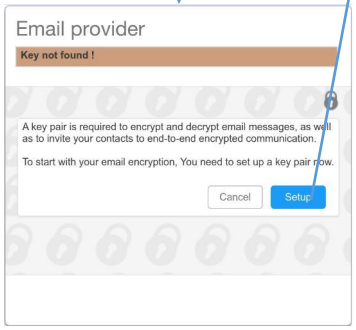




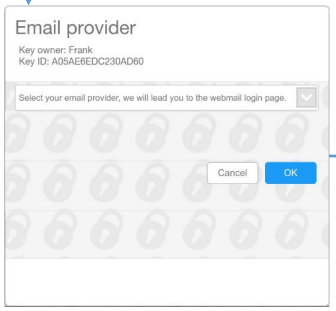


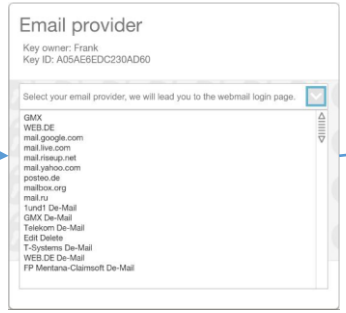


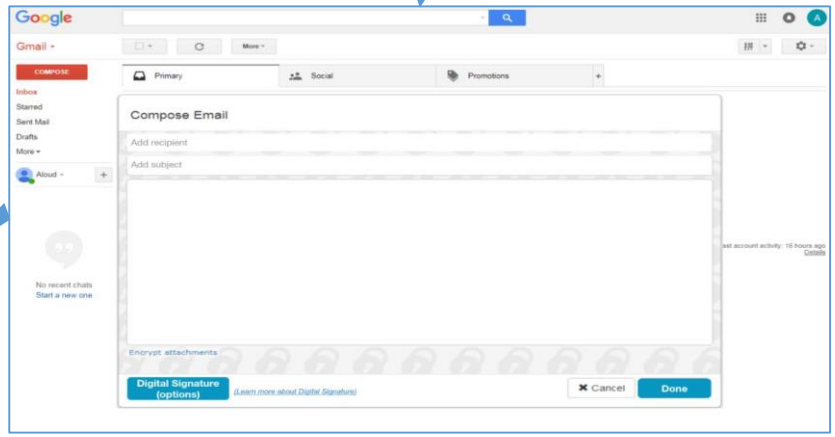


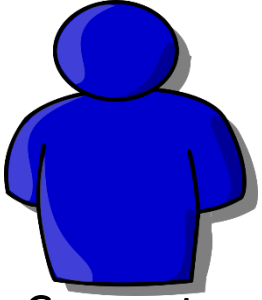


The “computer” uses these transitions to know which screen follows from each interaction.

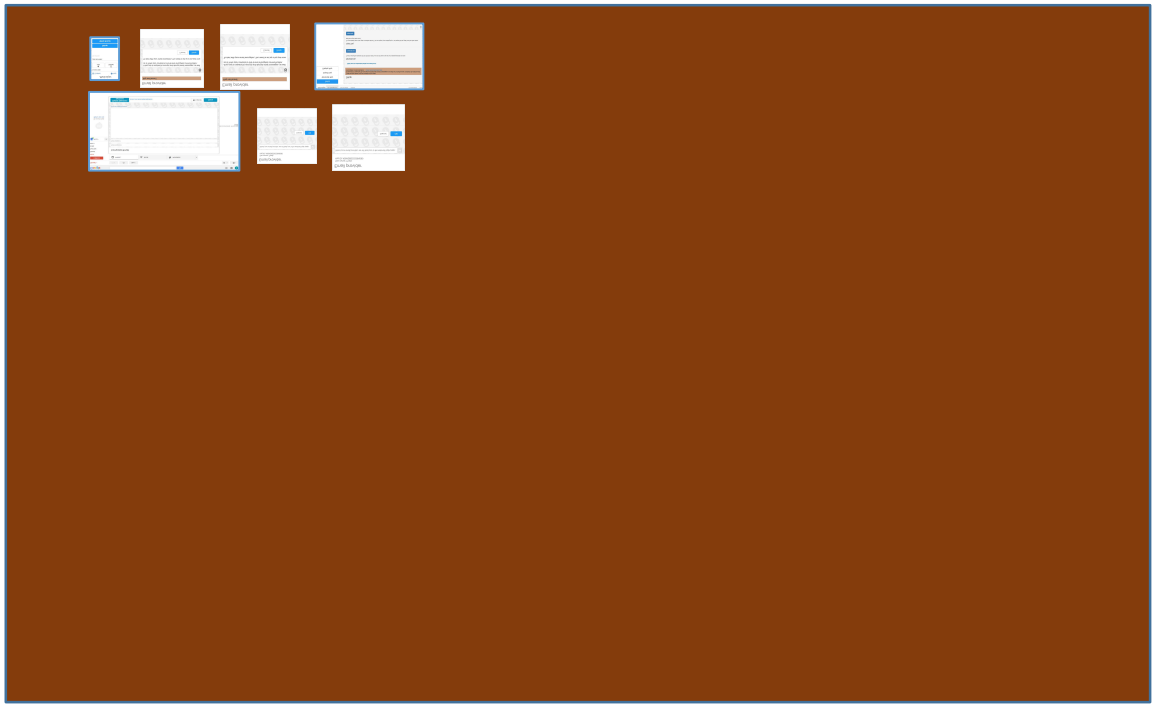






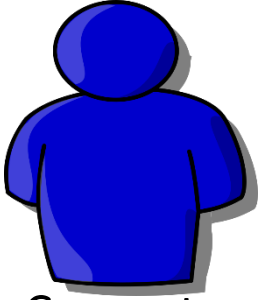


Computer

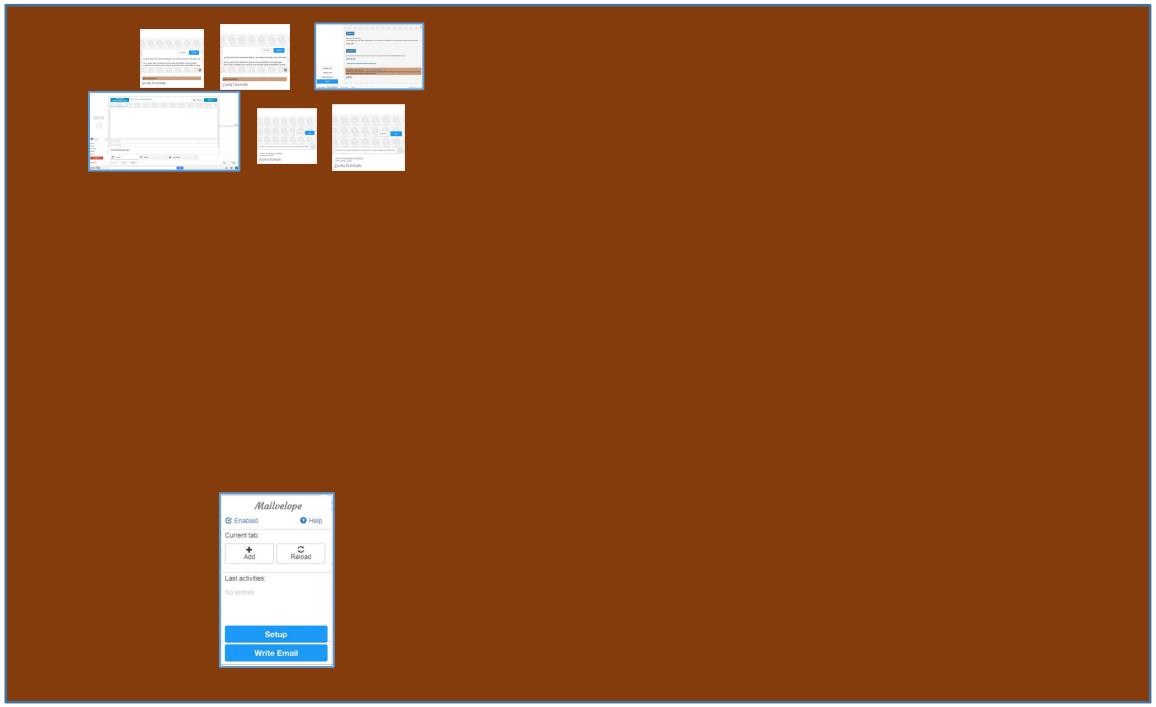


Tester

Facilitator

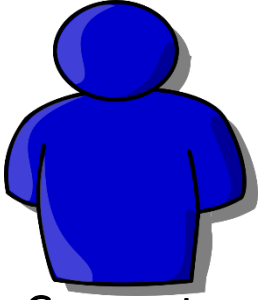


Computer



Tester

Facilitator



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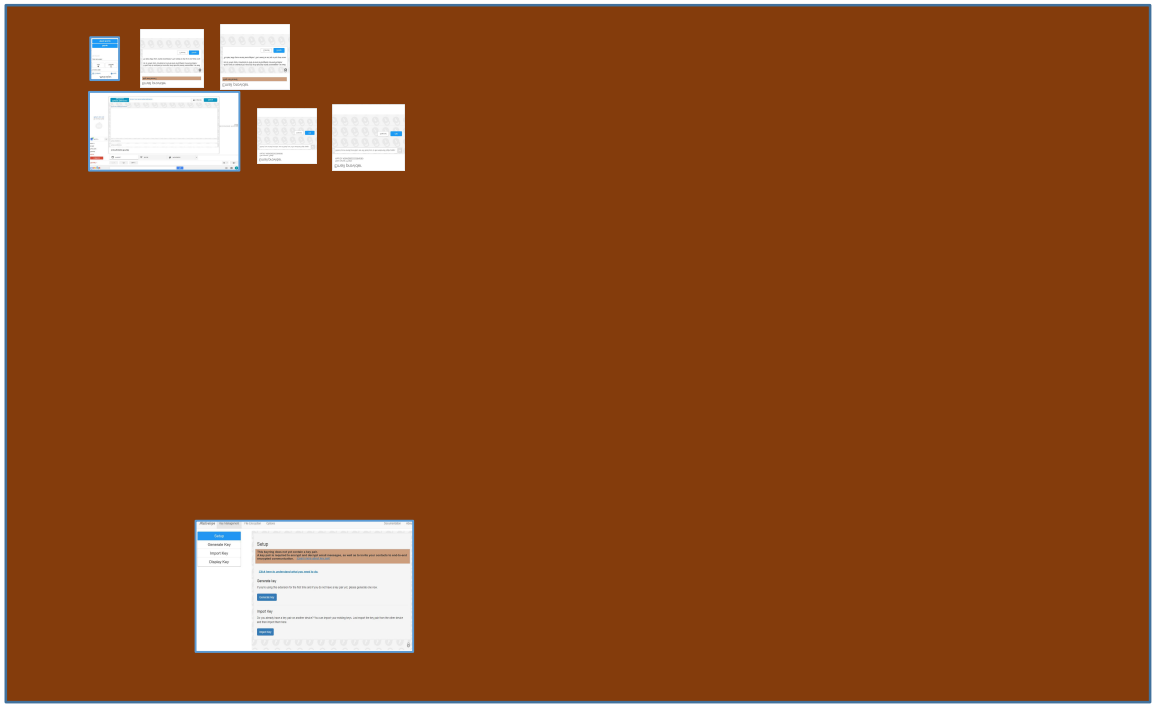

Tester

Facilitator

Questions?