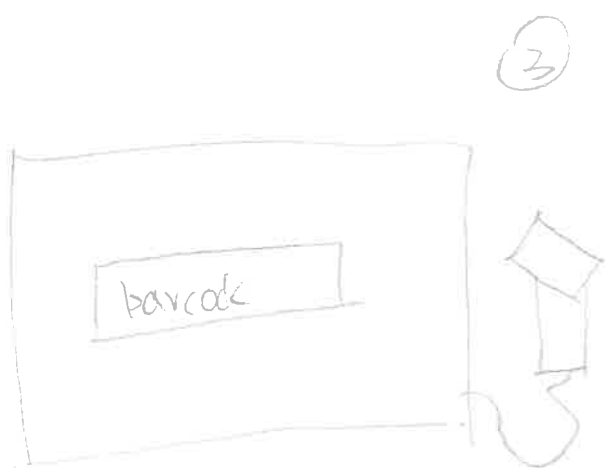


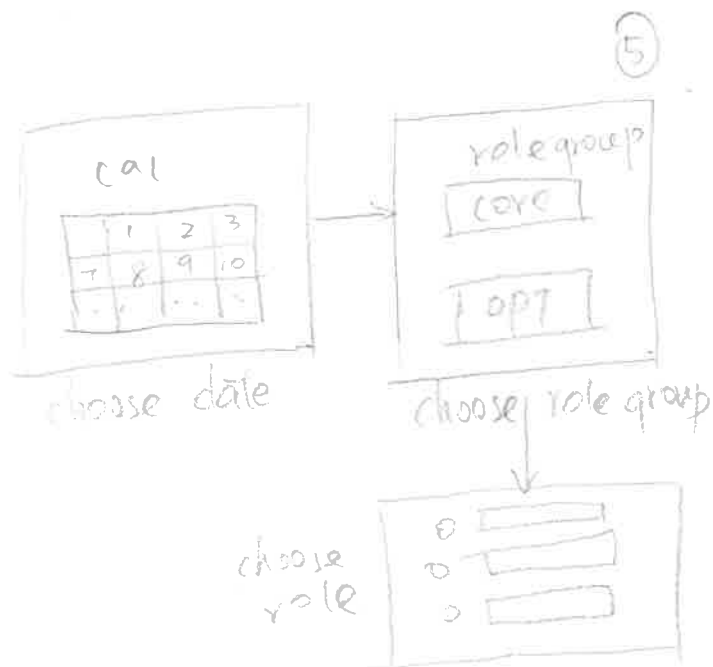
1. ideas



input bar code with keyboard and mouse



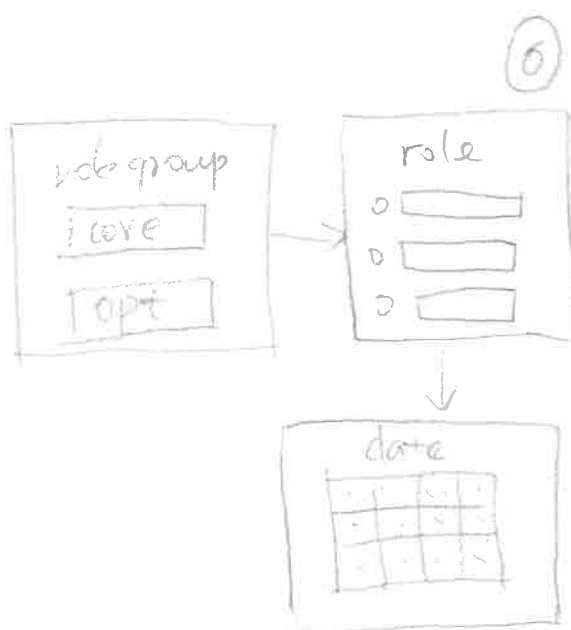
hand hold scanner



touchscreen



fixed camera



2. filter.

① and ②

both of them need to be entered manually

3. categorize

⑤ and ⑥

③ and ④

⑦

4. combine and refine



- ③ and ④ combine together
- do not show barcode, individual profile instead, with button cancel and commit
- ⑤ and ⑥ are almost the same
- ⑦ date should only show the available dates for the specific role

5. Questions

1. what if the barcode can not be recognized by the scanner?
2. For ⑦ if they are all in one page, could it be readable at a distance of 1 meter?
3. how to show conflict if other people selected a role committing what you choose.

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