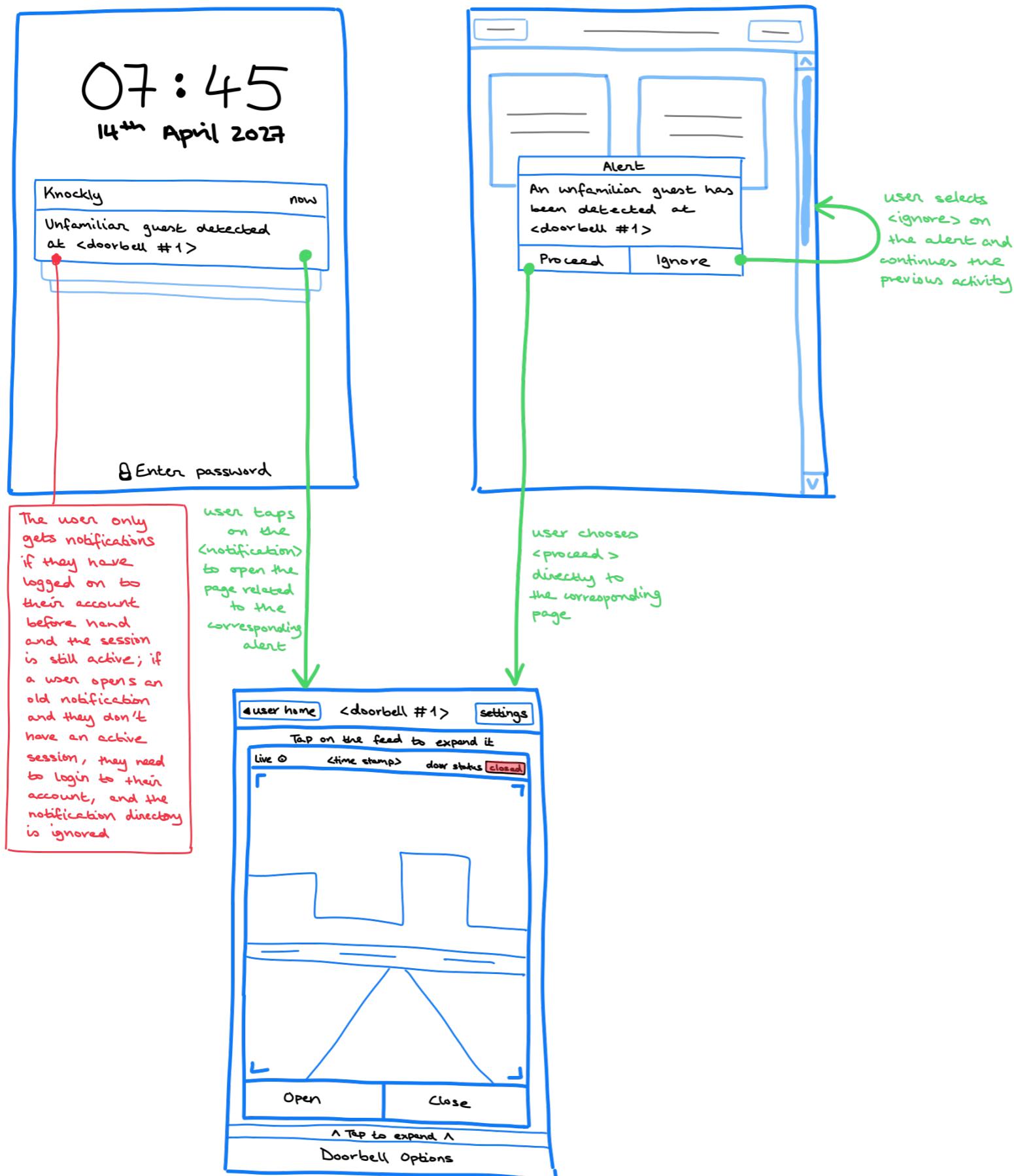
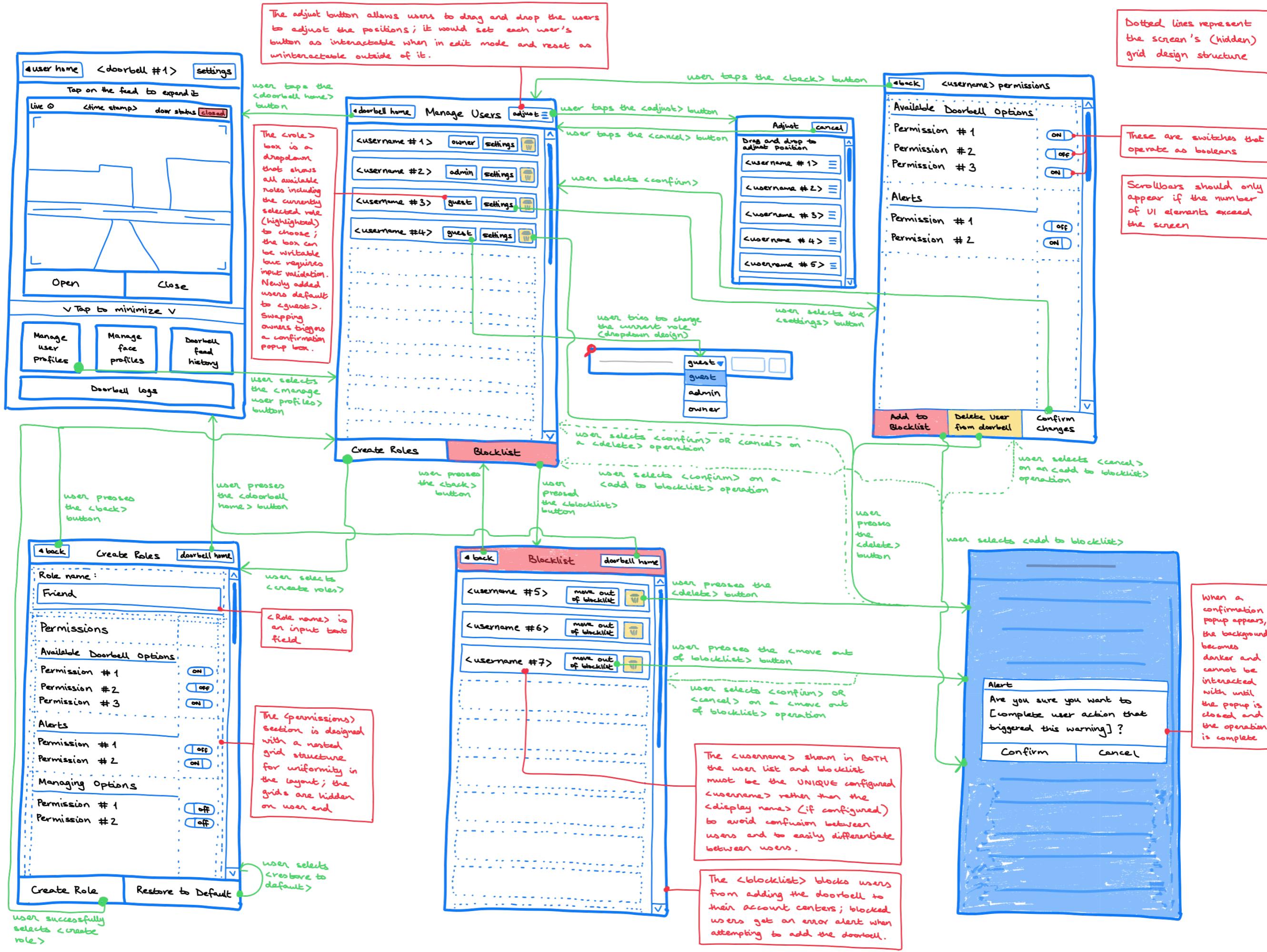


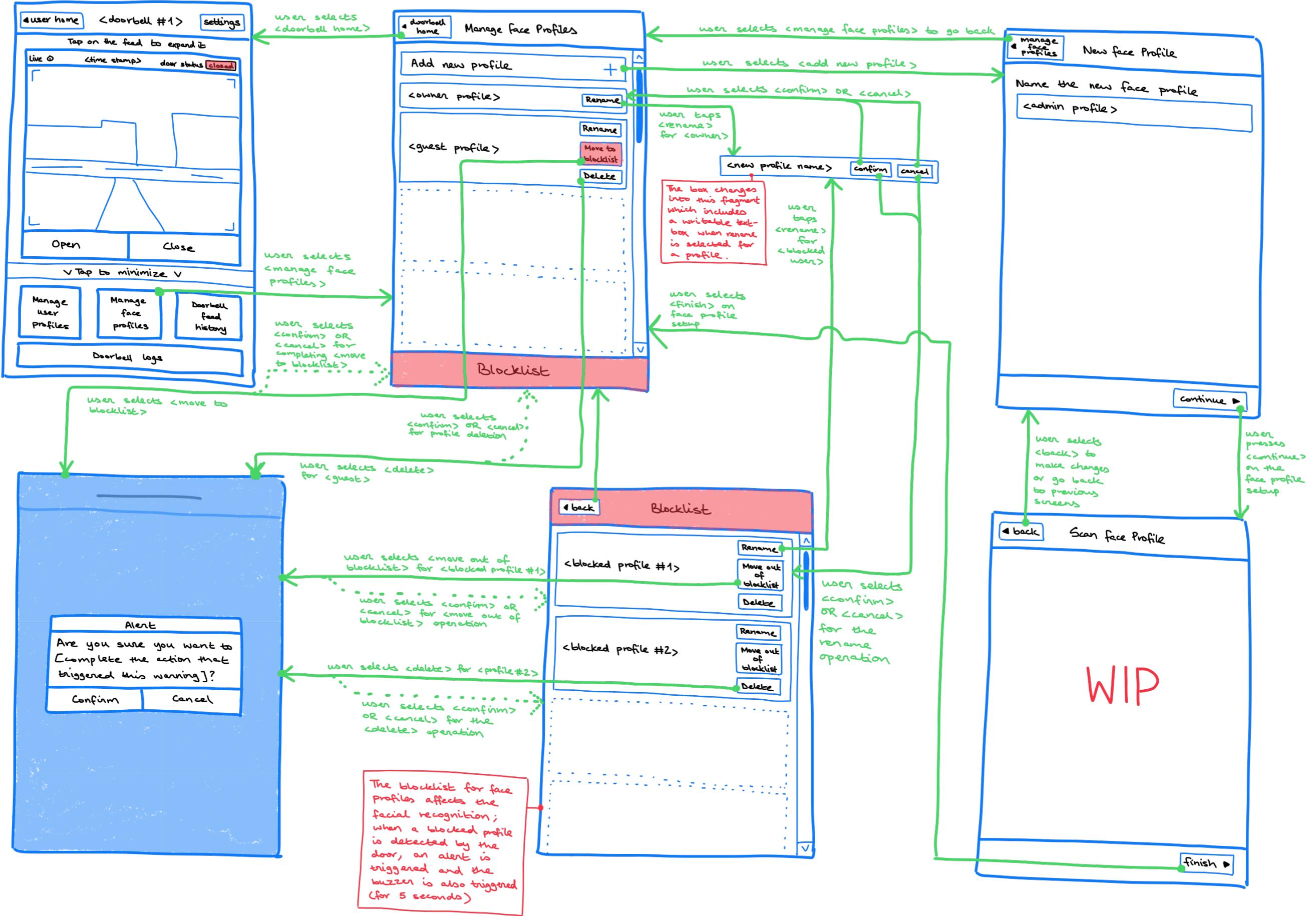
## Notification and Alert flow examples

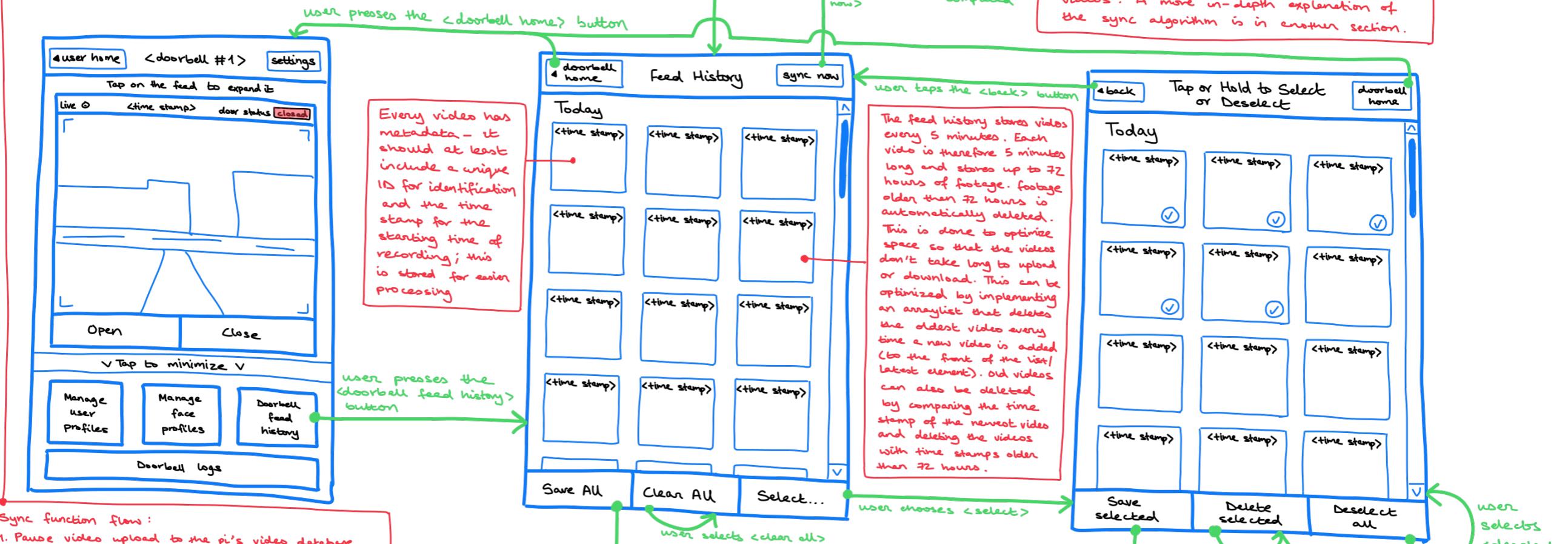


### Types of alerts :

- Facial recognition related alerts (like unfamiliar guest detected at the doorbell)
- User related alerts (new device logged in to your account)
- Doorbell related alerts
  - new user added to doorbell
  - new face profile added to doorbell







- Sync function flow:**
1. Pause video upload to the pi's video database and have every video sent to a separate buffer location to be uploaded while the sync occurs between the pi and the app
  2. Find oldest video's ID on the pi
  3. Start at the bottom of the app's video list and compare the video IDs with the pi's video IDs from step 2 until a match is found (oldest - newest)
  - 4a. No match is found and all videos from the pi need to be downloaded; optionally delete all the app videos if any since they would be older than 72 hours [end of this scenario]
  - 4b. A match is found on the app side and it is designated the current oldest video on the app end; optionally delete the older videos from this point
  5. Compare the video ID of the next video on the app end to the ID of the next video on the pi to check for matches
  - 6a. It matches and the same is repeated for the next videos (so repeating steps 5 and 6a in a loop till all the videos app side are covered); all the videos are synced and only the videos beyond the newest video on app side need to be downloaded [end of this scenario]

- 6b. The next video's ID app side from step 5 and the next video's ID pi side do NOT match; store the app's video ID from step 5 and then go through the rest of the pi's video IDs until a match is found, storing the IDs of all the videos that do not match from the pi's side and storing the index of the pi's video ID match
7. When the match is found, get the ID of the next video from the app side and then repeat step 6b - start the pi's video comparison from the index stored at the end of 6b
  8. Now there should be a list that stores all the IDs of the videos on the pi that are missing from the app; download ONLY these video IDs on the app [end of this scenario]

The sync function should check the footage on the pi, compare it to the videos stored app side, and only upload videos that are NOT on the app onto the app side. Each video should have a unique ID within the metadata that can be used to identify the videos. The sync would then start from the OLDEST videos on the app side stack and compare the IDs with the pi's video ID for matches. For all the missing video IDs on the app compared to the pi, ONLY download those videos. A more in-depth explanation of the sync algorithm is in another section.

The <save to> dropdown appears when users try to save footage. The options include the camera roll (requires access) or files (also requires access), but can add more location options or option to share (for example via email) as well if needed. The dropdown appears on the same screen above the bottom task bar.

