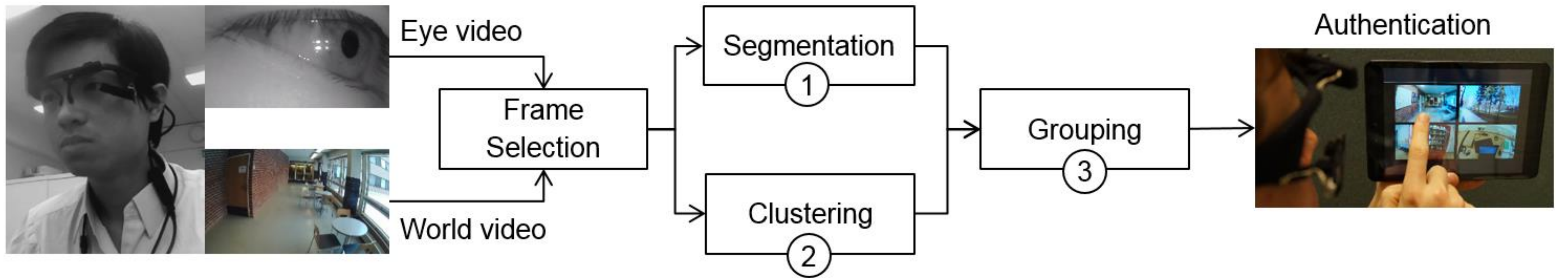


User Authentication based on Egocentric Vision

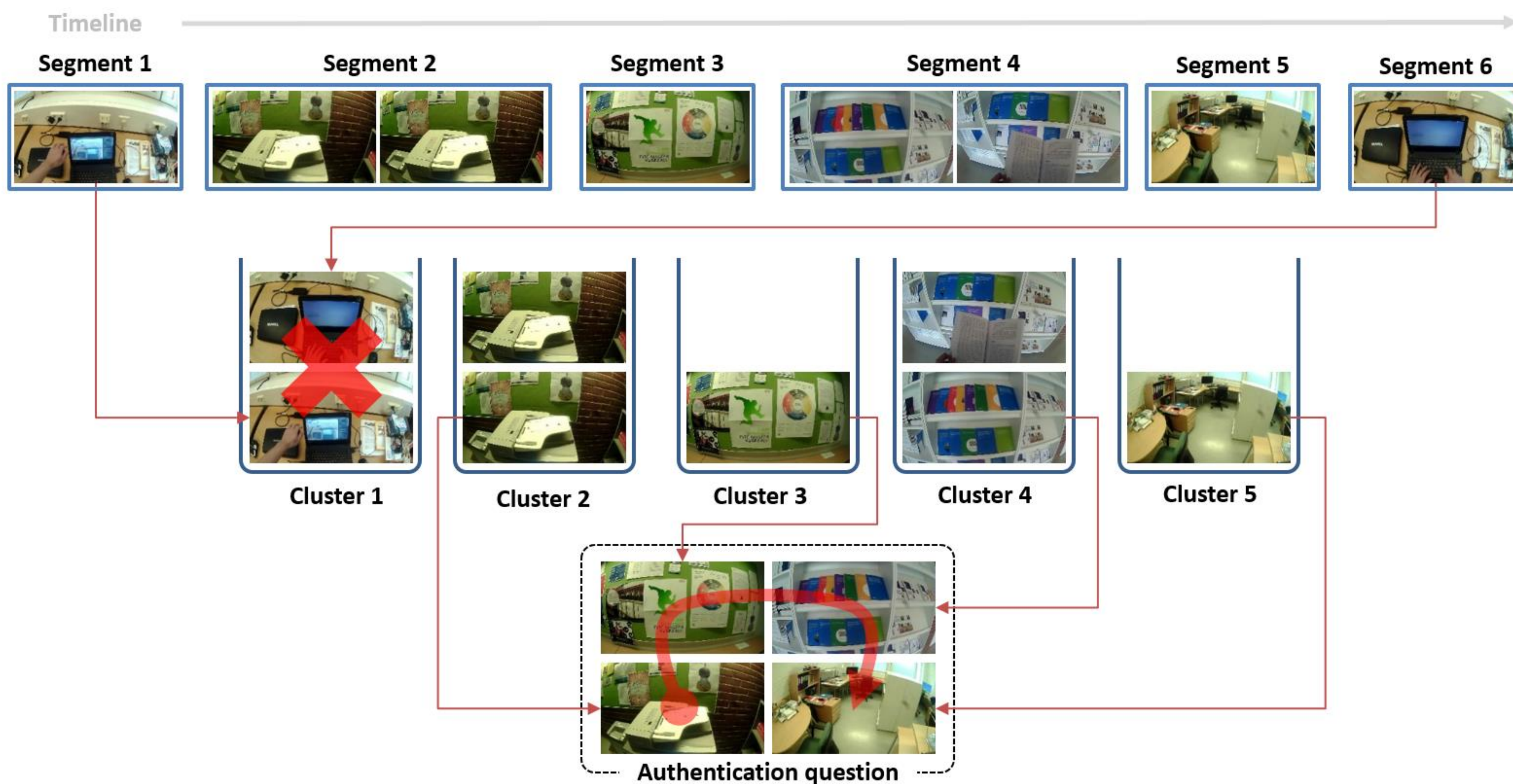
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The image-based password is generated from what the user has seen

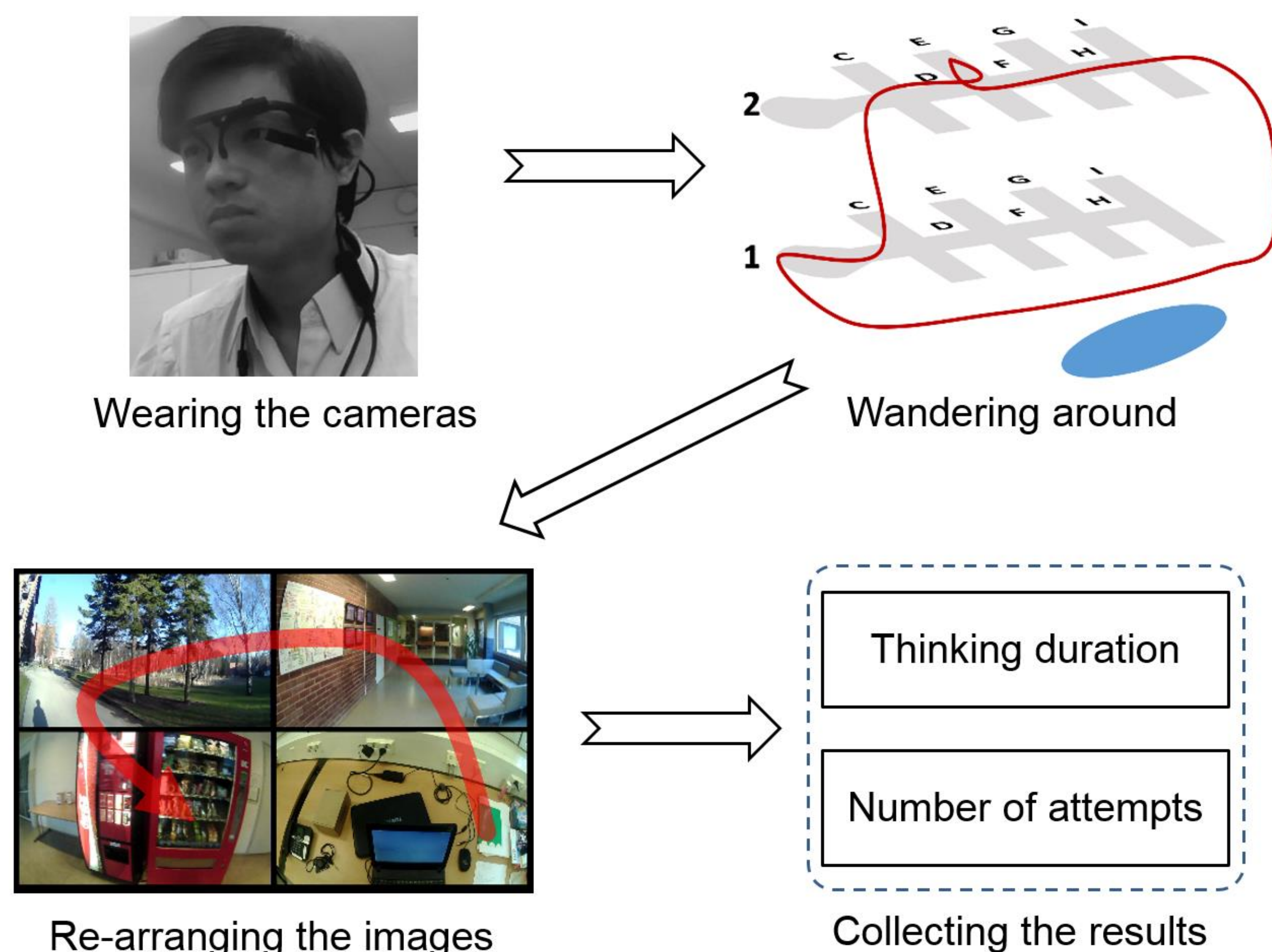


Password Generation

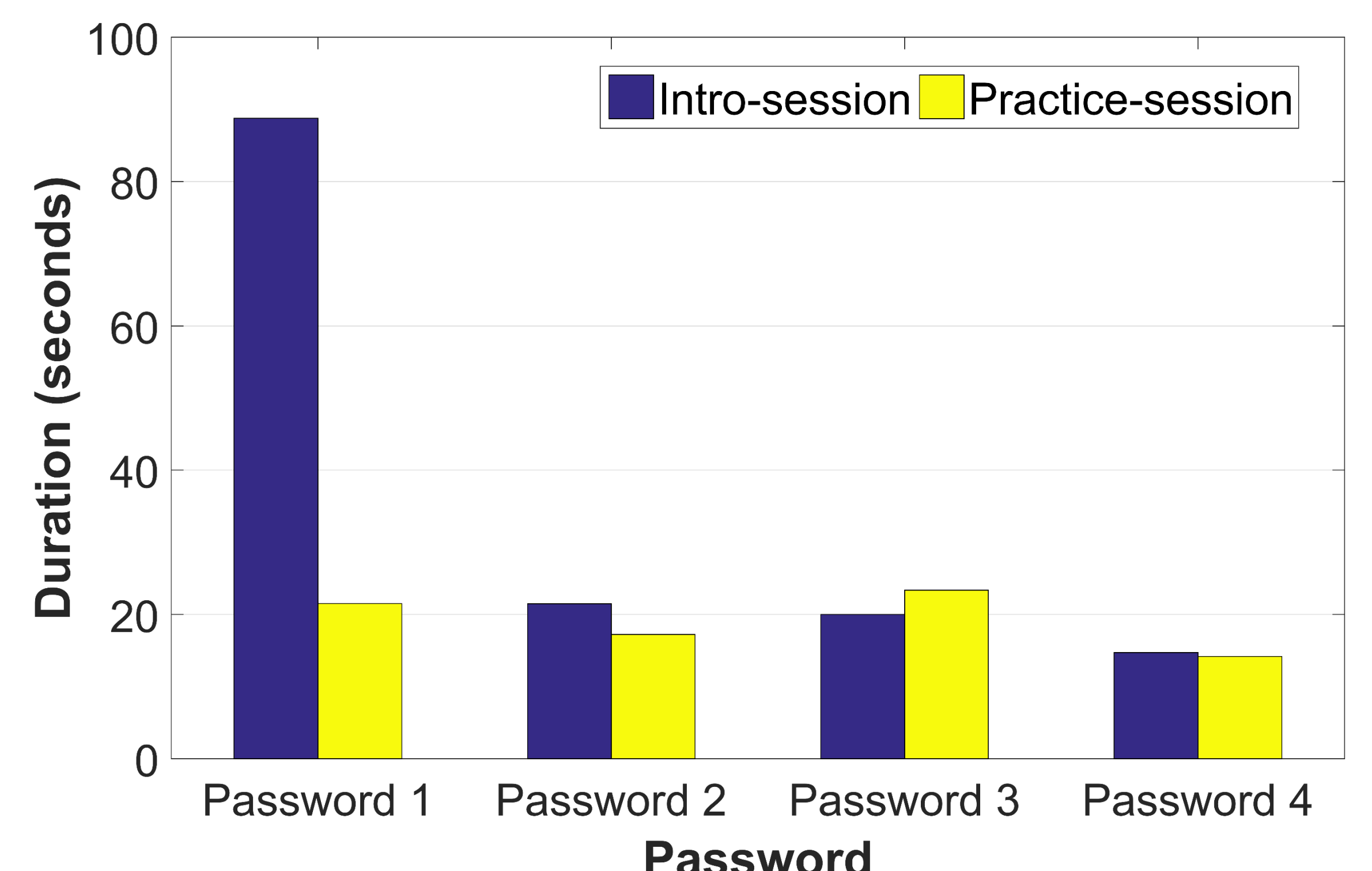


- **Selection criteria**
 - ✓ High memorability
 - ✓ Low popularity
- **Image features (descriptors)**
 - ✓ Holistic information
 - ✓ Local region characteristics
- **Temporal segmentation**
 - ✓ Discriminating scenes
- **Clustering**
 - ✓ Removing repetitive scenes
- **User authentication**
 - ✓ Re-arranging the images

User Study



- **Sessions**
 - ✓ Intro: presenting the concept
 - ✓ Practice: recording longer videos
- **Time record**
 - ✓ Re-arranging 4 images in 3.79s



Average time spending on each password