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| --- | --- | --- | --- | --- |
| Risk | Category | Chance | Effect | RMMM |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | Too many users may slow down the system |  |  |  |  | | PS | 25% | High | Use a cloud server, load balancing |
| Failure in facial recognition accuracy | TE | 70% | Critical | Use multiple image inputs, retrain the AI model, and allow for a human verification step. |
| Privacy/security breach | BU | 15% | Critical | Disable download option, watermark video playback, enforce encryption & monitoring. |
| Search history is too big, slows down | PS | 20% | Medium | Clean old logs, use a good database. |
| CCTV tools may not work well | DE | 35% | High | Test many tools early, keep a backup. |
| The facial recognition library may not match | DE | 40% | High | Use a stable library. |
| Face match wrong | TE | 65% | High | Use many photos, allow manual check. |
| Data gets lost if the server crashes | PS | 40% | High | Take backups daily, use cloud storage. |
| The system is too slow on old computers | PS | 35% | Medium | Optimize code, reduce heavy graphics |
| Users often forget password | CU | 40% | Medium | Add password reset option, send help tips |
| CCTV is not connected in some areas | DE | 40% | High | Show “camera offline” notice, alert admin |
| Logout button not working | PR | 30% | Medium | Test session handling, add timeout auto-logout. |
| Uploading too few images reduces accuracy | CU | 50% | High | Force multiple image upload, show reminder. |
| Location data is not updated if GPS/CCTV is offline | TE | 80% | |  | | --- | | High |  |  | | --- | |  | | Show last known location, auto-refresh when back online. |

**Note:**Product size (PS)

Business impact (BU)

Customer characteristics (CU)

Process definition (PR)

Development environment (DE)

Technology to be built (TE)

Staff size and experience (ST)