|  |
| --- |
| **Flow of Activities for User Validation** |
| **Main Flow:**   1. User scans their key on the sensor 2. The string contained in the key is sent to the validation system. 3. The string is compared to a list of valid users contained on a remote server. 4. If the string is in the list a signal is sent to the door, unlocking it. 5. The name of the user and the time they sign in are recorded in a log file |
| **Exception Conditions:**  3.1, If validation server is unreachable:   1. The system will check the backup local server.   3.2, If the user is not valid:  a. The door will not unlock and the event will end. |