Jonathan Thorps

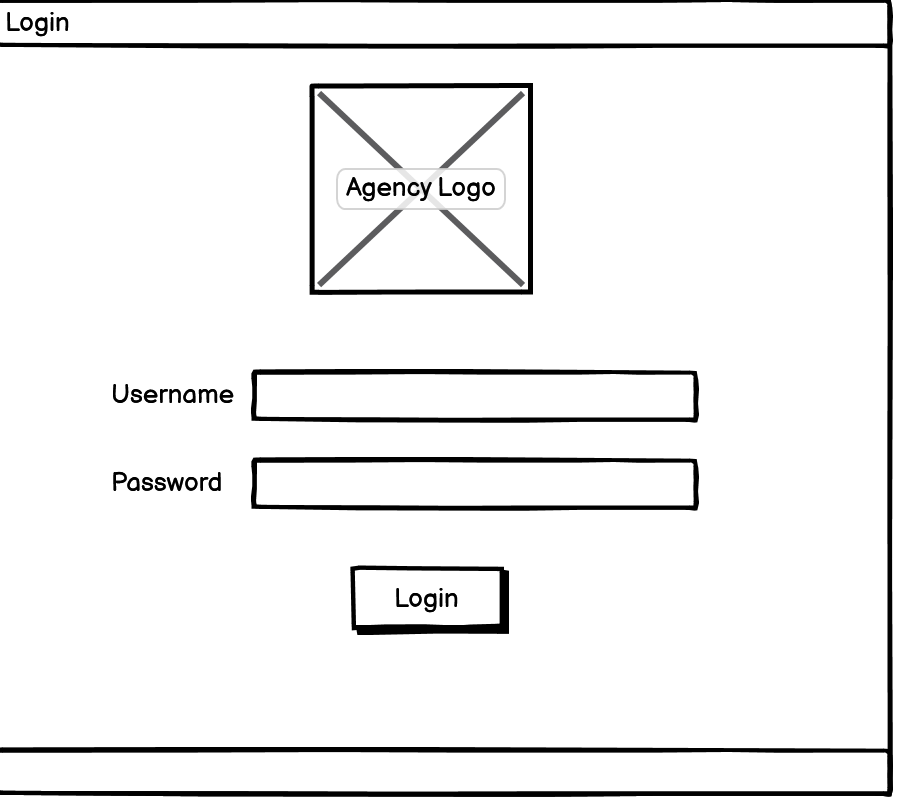
AWD1100 L01

**Introduction**

The goal of this software is to administrate employee access in and around a facility or building. While gates, locks, and full time security guards is would certainly address this, having a software solution as another layer of security would streamline assigning and revoking access. An electronic locking system backed with software that can administrate these privileges is also a better solution than having to issue out numerous physical keys. Certain individuals would have unrestricted access while others will have a limited access. Individuals will be categorized by what division they belong to. Assignment to departments would be permanent, while access privileges to different spaces can be modified as needed.

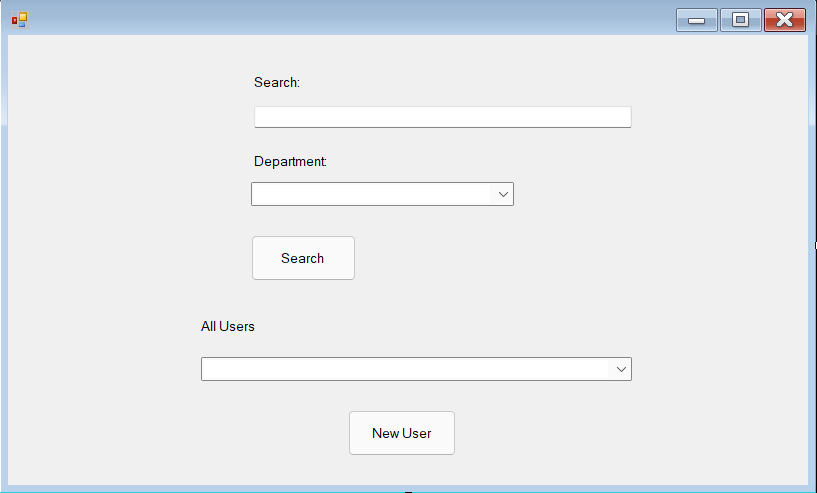
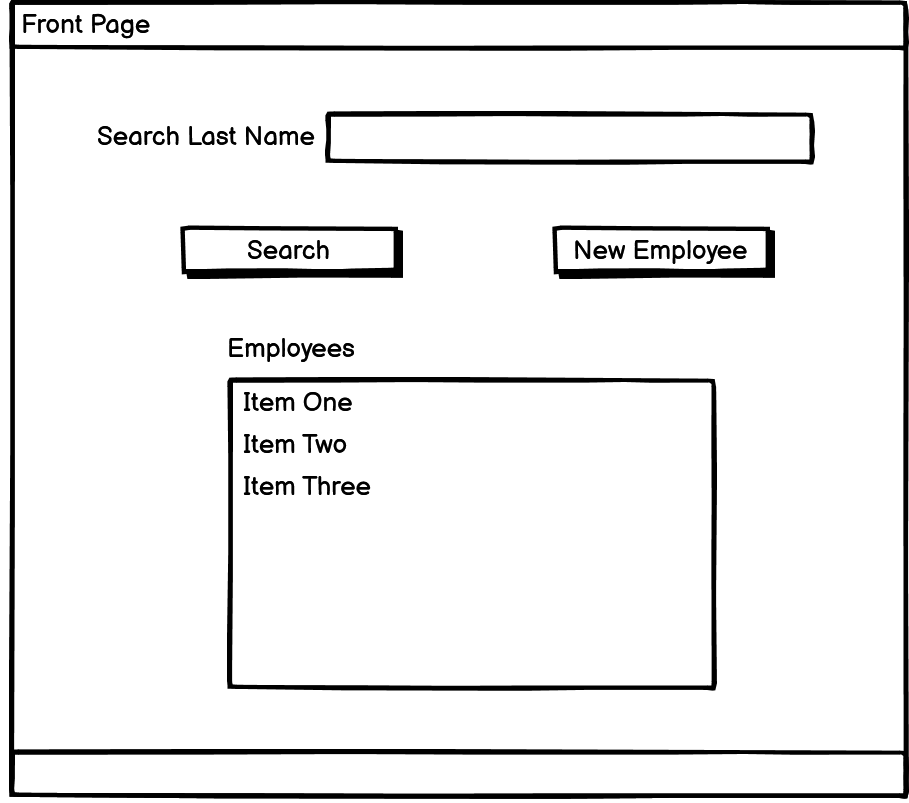
**Key Features**

Login

To administer security access to badge holders on the system, there will be a login function in where administrators and security officers can control the creation and assignment of privileges. Upon successful login personnel will have the following functions:

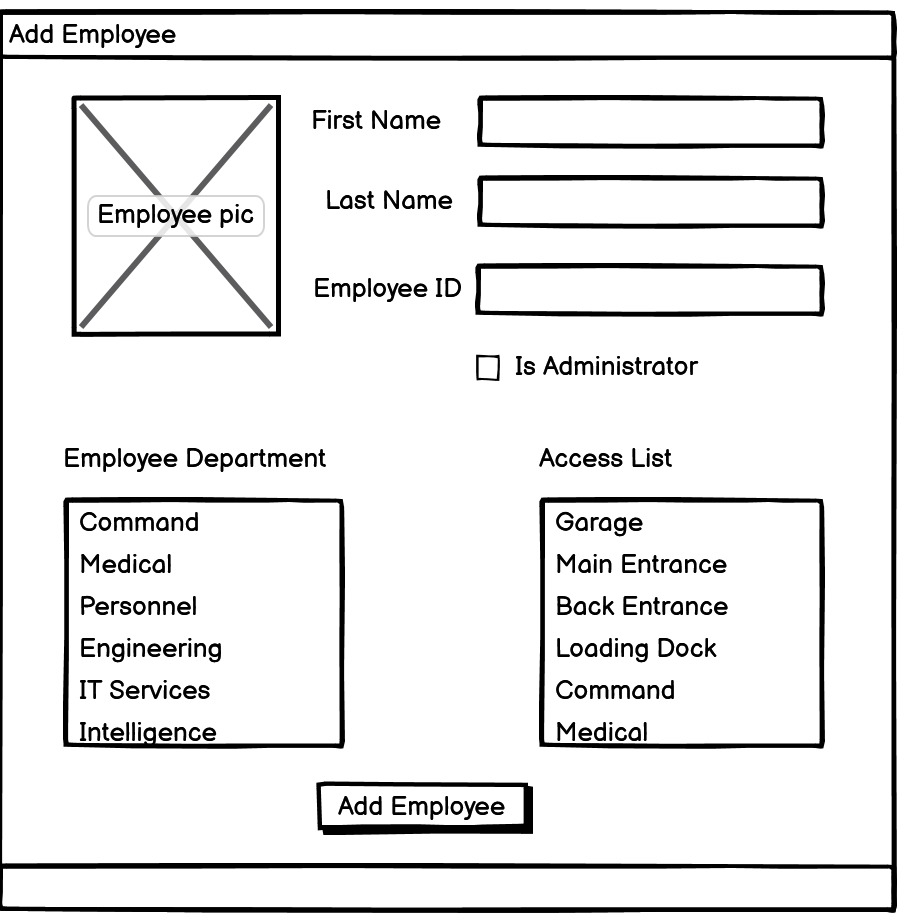
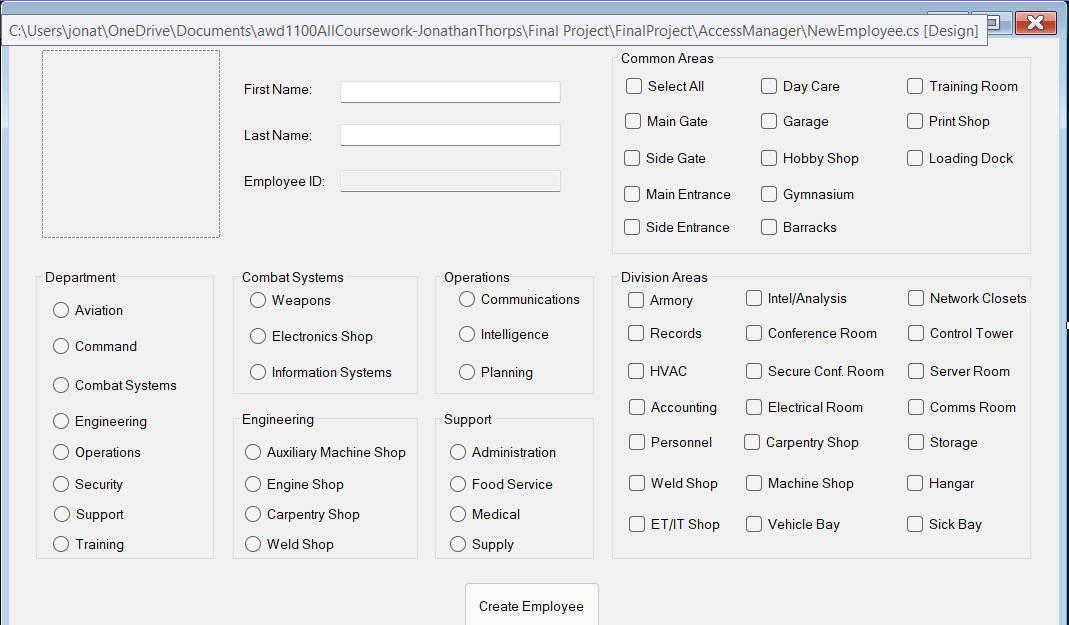
* Search
* Create
* Update
* Delete

Search

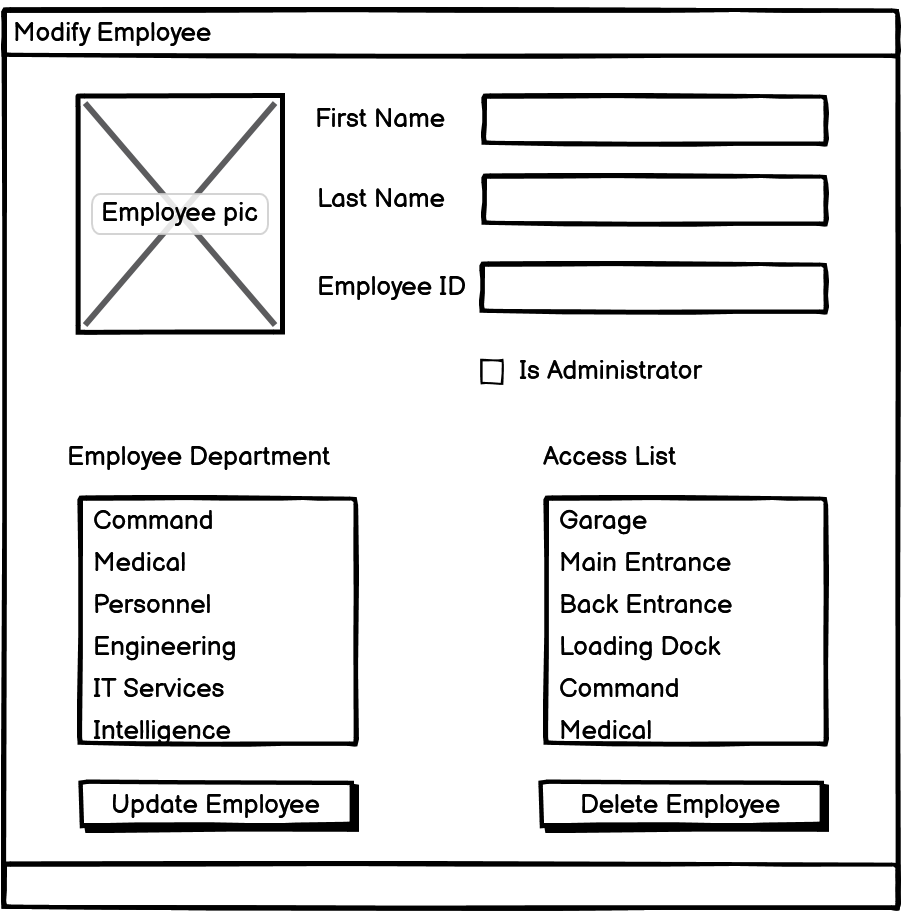
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Add Employees

Security Officers will create new employees. Employees will have a unique numerical identifier assigned to them. At this screen users will have their access privileges assigned to them. Some privileges will be automatically assigned upon creation of a new employee.

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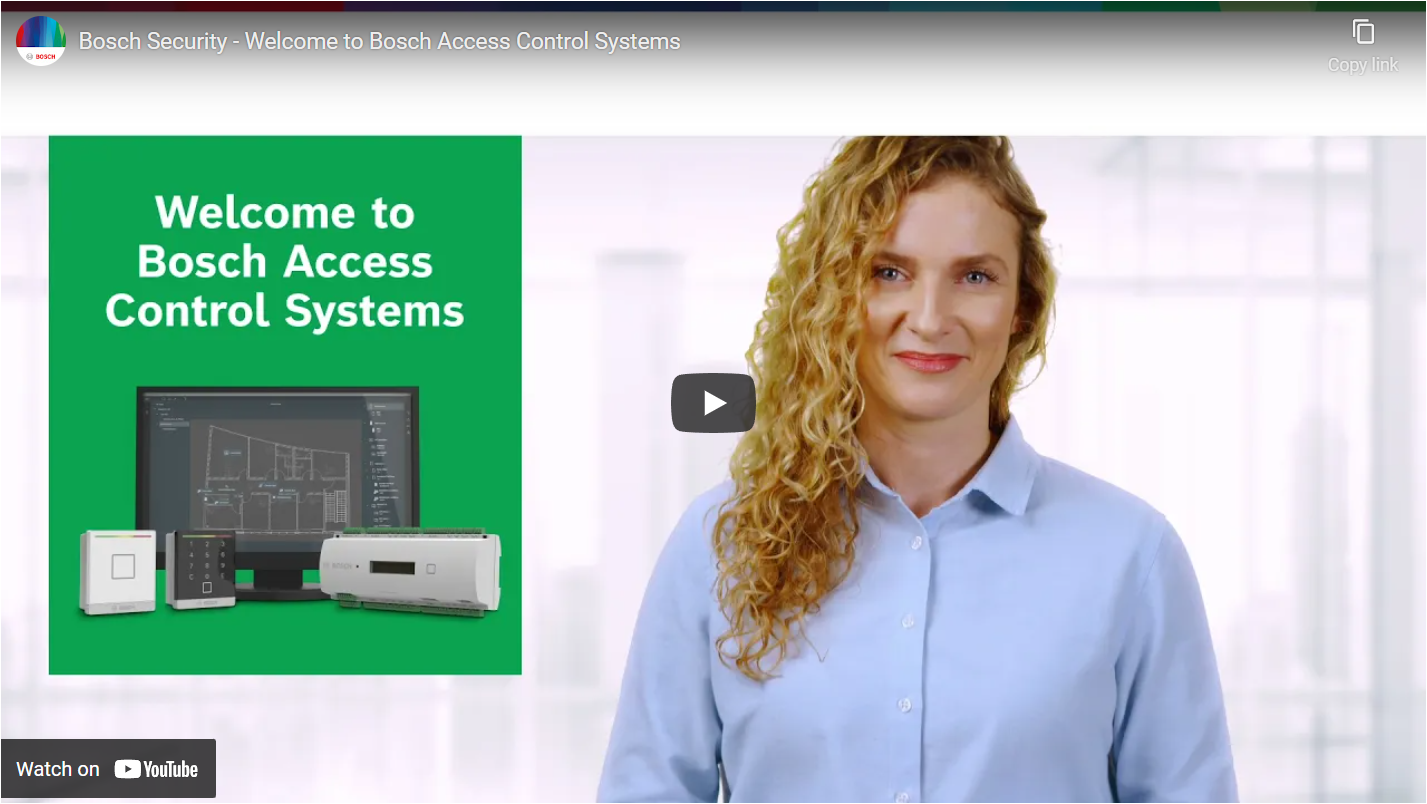
Update and Delete Users

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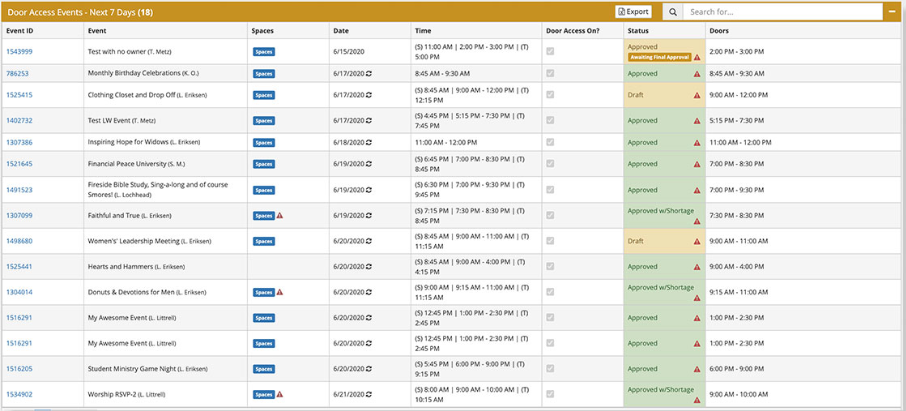
Security Officers will also have the ability to update employee access privileges. Additional access can be assigned or revoked. It is also here that employees can be deleted.

**Similar Software**

This type of software would be used in conjunction with a badge, RFID, and electronic lock system. Security officers would manage building access. Office space access would be divided into common spaces (i.e. library, cafeteria, conference room) and by division (Security, IT, Administration).

A software with similar capabilities is the security solution from Bosch. Their software can be scaled to a complete security suite integrating video surveillance and intrusion detection. Some of the available features are guest access, guard tour, and multi-factor authentication.

[Access Control Software | Bosch Security and Safety Systems I North America](https://www.boschsecurity.com/us/en/solutions/access-control-systems/access-control-software/)

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Smart Church Solutions also has a similar access control software. As seen in the picture above, Smart Church Solutions includes a logging feature for events that occur on the system.

[Security Access Control Software | Smart Church Solutions](https://www.smartchurchsolutions.com/software/facility-system-integrations/access-control/)