Application Plan Sketch

1. Name of the application

MUBIA – Multi Business Access

2. Goals of the application

- Providing access to a building with multiple offices
- Achieving greater security
- Providing useful information for employers
- Facilitate accounting

3. Target audience

- © Employers
- © Employees
- Building administrator
- Security staff

4. User interactions



Employee

- access the building (check in)
- exit the building (check out)
- o go on vacation
- ask for assistance



Employer

- manage a company (update)
- manage the companies employees (add/update/remove)
- get information (charts, notifications) about employees



- grant/revoke access from users
- get information about users (check in/out timestamps)
- get notifications (when users ask for assistance)
- open/lock the system



Building administrator

- manage companies (add/remove)
- manage employers (add/remove)
- manage security staff (add/remove)
- get information (charts, notifications) about companies

5. Back-end technologies

- 1. PHP
- 2. Laravel 7.x framework
- 3. MySQL
- 4. ??
- 5. ??

6. Front-end technologies

- 1. HTML
- 2. CSS
- 3. JavaScript
- 4. ??
- 5. ??

7. Database tables

Employees
id
name
password
company_id
has_access
checked_in
checked_out
on_vacation
Employers
id
name
password
company_id
admin_id
has_access
Administrators
id
name
password

Securitymembers

□ id

□ name
□ password
□ admin_id
□ system_opened
□ system_locked
Companies
□ id

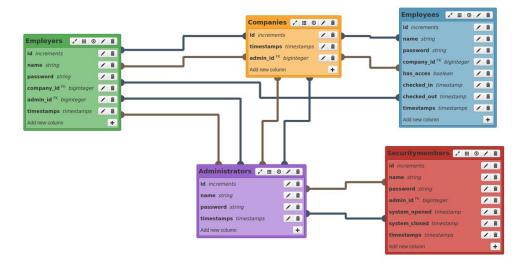
name

□ admin_id

- 8. Database relations (Eloquent)
 - an employee belongsTo a company
 - a company hasMany employees
 - **o** an employer hasOne company
 - a company hasMany employers
 - an employee hasMany employers Through company
 - **o** a company hasOne administrator
 - an employer hasOne administrator
 - a security member hasOne administrator
 - an administrator belongsToMany companies
 - an administrator belongsToMany employers
 - an administrator belongsToMany security members

9. Database Schema Design

http://www.laravelsd.com/share/HEvLTt



Laravel Schema Designer v0.7.1 follow me on twitter @okyn01