

# Compliance Report Generator

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# Description

Erin used to work in third-party compliance audits of legal cannabis facilities in Las Vegas and each time she walked through a client's facility, she would have to spend a few hours afterwards writing up a report with the the necessary information. When she got the home inspection on her last house, she noticed the inspector was using a program that allowed him to pull up building codes, generate the template for his usual recommendation and cost estimates, add the pictures he was taking with his mobile device, and create the entire report on the fly. We want to create the same thing for cannabis auditors, and we want to create it with a focus on scalability and intuitive user experience.



# Features

- Login - App features can't be accessed without user authorization
  - Register a username and password
  - Receive an automated email to confirm (must confirm to continue to app)
  - Login with registered username and password
  - Change password
  - Forgot password (with automated email)
  - Delete account
  - Add additional personal information to account
- Form #1 - Initial input
  - Capture information for the top of the report such as name, address, facility location
  - Allows user to input strings, select a date from a calendar, and choose options from a drop down menu
- Search Function (Form #2)
  - Search a database that contains seed data of most common citations (type, chapter, summary, body, civil penalty) and their recommendations
  - Add selected citations to report body
  - Add total range of civil penalties to bottom of report.
- Export to MS Word
  - Take top, body, and end inputs and export into a formatted word document for editing



# Planning - User Stories

- As a user, I want to create an account so that I can access the app.
- As a user, I want to be able to login into an account after creating it so that I can access the app.
- As a user, I want to change my password so that my account is secure if my original password is compromised.
- As a user, I want to have an intuitive interface for my base template so that my workload is reduced.
- As a user, I want to have access to the proper state and local regulations so that there is less need to access information outside of the app.
- As a user, I want to be able to search the state and local regulations so that it is easy to get to the applicable statutes.
- As a user, I want selected statutes' associated regulatory penalties and fines to be summed and added to the template so that clients know their financial exposure for infractions.
- As a user, I want the template exported to MS Word so that final edits can be made.



# Planning - Database

**Username and Password** - Login feature

**Citations** - Contains seed data of most common citations, their penalty ranges, and the common recommendation to resolve each



# Technology Stack

- **Languages:** C#, CSS, HTML
- **Framework:** .NET MVC
- **Database:** MySQL
- **Libraries:** Identity, Pomelo
- **Additional Tech:** SendGrid (API)



# Demo



# What We Learned

- .gitignore
- Exposing API keys (and why that is bad)
- Using user secrets (see above)
- Scrum framework/Agile methodology
- User stories
- Live coding experience
- De-bugging strategies
- Creating user logins
- (future) We WILL know how to export to a Word doc





# What's Next

- Feature: Export fully formatted report to Word doc
- Feature: Edit the recommendations in-app
- Feature: Pull entire library of regs in through and API
- Feature: Save and access past reports
- Maybe snazzing up the UI
- Learning more new things!

