WEB3: EMPLOYEE RECOGNITION

WEB3: EMPLOYEE RECOGNITION - Write a database-backed website used to track employee recognition awards.

In this project you'll be creating an online application using a website and a database to provide the user with a tool for managing and creating employee recognition awards. The awards take the form of PDF certificates that are emailed to the winners.

The setting and artistic presentation of the site are up to you, but the final project must satisfy the following requirements:

- The web site must only function once a user is logged in. The log in system should utilize a username (as the email address) and a password, and must provide functionality to recover a lost password.
- A user account on the website consists of at least:
  - An email address (the username).
  - A password.
  - The name of the user.
  - The timestamp of when the account was created.
  - The signature of the user, stored as an image file.
- The web site must have an administration account provided that allows complete access to the admin side of the website. Admin accounts should NOT be able to create awards, and thus don't need names or signatures. Consider implementing these as a second type of user.
- There must be at least two classes of awards - for example, perhaps the Employee of the Month, and the Employee of the Week.
- Once logged in, a user may create a new "award entry" that consists of at least:
  - The type of award being given
  - The name of the person getting the award.
  - The email address of the person getting the award.
  - An index in to the table of users, indicating which user account created the award.
  - A time and date chosen that allows the user to specify when the award was granted.
- Once the award has been created, the system should email a PDF certificate to the person getting the award, that has been custom generated using LaTeX, with the person's name, date, and the name of the user who authorized the award, along with the authorizing user's signature image.
- A user logged in should be able to also do at least the following:
  - Change his or her name.
  - Delete from the system awards that this user has previously given.
- There must be a back-end portion of the web site for admin users that provides at least the following functionality:
  - Add/edit/delete normal users (who can create awards).
  - Add/edit/delete admin users (who cannot create awards).
  - Perform Business Intelligence reporting operations, for example: querying for specific data (which users created awards, which region had the most awards, etc.).
  - Export the above queries as a CSV file and/or display the results on-screen. The on-screen reports should include appropriate graphical charts, such as those provided by [Google Charts (Links to an external site.)Links to an external site.](.).

- All stored data must be housed in an SQL database.

Tools and Technology Requirements:

- Your project MUST be hosted somewhere for me to test for grading purposes, though you will be required to submit source code.
- Do not use Javascript-style "alert()" pop-up boxes to relate information to the player. Your user interface should display all information without resorting to asking the web browser to pop-up a dialog.
- Do not use Adobe's Flash player or any other encapsulated app.
- Do not use Django or any form of Content Management System (CMS) to build the pages or site for you.
- You may use Node.js, bootstrap, React, Angular, and/or jQuery, etc. if you like.

Recommended Technologies (but you can use whatever you like)**:**

- HTML
- CSS
- Javascript
- PHP
- MySQL

Possible Divisions of Labor:

1. User website plus user and admin authentication systems
2. Admin website (includes BI section)
3. Certificate generation and emailing (DB to LaTeX to email)