

## NGC Technical Coding Exam

Developed this given exam with the combination of the stated technology stack such as MySQL, PHP, JAVASCRIPT, JQUERY, AJAX, BOOTSTRAP/CSS, DATATABLES.

Stated below are the database structure and type used for the database setup:

- ID(PK)
- First\_name (varchar 255)
- Middle\_name (varchar 255)
- Last\_name (varchar 255)
- Gender (varchar 25)
- U\_ID (varchar 255)
- Password (varchar 255)
- Salt (varchar 255)
- Active (int 11)
- Date\_created (datetime)

Vanilla PHP was used for the backend development specifically for the User Registration, Login Function and Retrieving of data from the database as part of the requirement of the exam. For the User Interface, JavaScript, jQuery, AJAX Bootstrap was used and NiceAdmin as the theme installed.

Primary page would be the designed landing page with an image of the Bacod Government Center. There are two buttons such as Registration for new users and Login for existing users.

All of the fields under User registration are required except the Middle Name. If any fields are empty aside from Middle Name, a warning prompt will be displayed. If successful, user will be directed to login page. Login restriction was set for unregistered Username and Invalid Password.

Once logged in as part of the final output, user may see all the registered users from the database. A search was also included for to find specific record easily. Three cards were added on top for count report for Number of Registered Users and separated to Male and Female gender.