2.4.3.8 Create *update_user* Function

Create an `update_user` function in the **Auth.php** file controller. Get IC number from session and find the user who has not linked their IC number yet. Update the user's IC number and log the user in and redirect to Main.

```php
public function update_user()
{
    $session = session();

    if ($this->request->getMethod() == 'post') {

        extract($this->request->getPost());

        $verify_password = password_verify($current_password, $session->login_password);

        if ($password !== $cpassword) {

            $session->setFlashdata('error', "Password does not match.");

        } elseif (!$verify_password) {

            $session->setFlashdata('error', "Current Password is Incorrect.");

        } else {

            $udata = [];

            $udata['name'] = $name;

            $udata['email'] = $email;

            if (!empty($password))

                $udata['password'] = password_hash($password, PASSWORD_DEFAULT);

            $update = $this->auth_model->where('id', $session->login_id)->set($udata)->update();

            if ($update) {

                $session->setFlashdata('success', "Your Account has been updated successfully.");

                $user = $this->auth_model->where("id ='{$session->login_id}'")->first();

                foreach ($user as $k => $v) {

                    $session->set('login_' . $k, $v);

                }

                return redirect()->to('/Main');

            } else {

                $session->setFlashdata('error', "Your Account has failed to update.");

            }

        }

    }

}
```

Figure 40: *update_user* Function

Retrieve the user information using the access token by querying the Keycloak User Info endpoint. Extract the IC number and name from the response to securely access and utilize these details within the application for user identification and processing.