

#### 2.4.3.10 Create *registerWithKeycloak* Function

Create a `registerWithKeycloak` function in the **Auth.php** file controller. Check if both IC number and name are available in the session. Create a new user if no existing user was found and redirect to the Main.

```
public function registerWithKeycloak()
{
    $keycloakUser = session()->get('keycloak_user');

    if (!$keycloakUser || empty($keycloakUser['nama']) || empty($keycloakUser['nric'])) {
        return redirect()->to('/login')->with('error', 'Session data is incomplete. Please try logging in again.');
```

```
    }

    if ($this->request->getMethod() == 'post') {
        $newUserData = [
            'name' => $keycloakUser['nama'],
            'password' => password_hash(bin2hex(random_bytes(8)), PASSWORD_DEFAULT),
            'ic_number' => $keycloakUser['nric']
        ];

        try {
            if (!$this->auth_model->insert($newUserData)) {
                throw new \Exception('Failed to insert new user into the database.');
```

```
            }

            $user = $this->auth_model->where('ic_number', $keycloakUser['nric']->first();

            if (!$user) {
                throw new \Exception('Failed to retrieve newly inserted user.');
```

```
            }

            foreach ($user as $k => $v) {
                session()->set('login_' . $k, $v);
            }

            return redirect()->to('/Main')->with('success', 'Registration successful.');
```

```
        } catch (\Exception $e) {
            return redirect()->back()->with('error', 'Registration failed. Please try again.');
```

```
        }
    }

    return view('auth/ic_number_not_found');
```

```
}
```

Figure 42: *registerWithKeycloak* Function