

2.4.4.8 Create *register_new_account*

Create `register_new_account` function in **Oauth.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 redirected to the dashboard.

```
public function register_new_account() {  
    $keycloakData = $this->session->userdata('keycloak_temp_data');  
    if (!$keycloakData) {  
        show_error('Session expired or Keycloak data not available.');        return;  
    }  
    $nric = $keycloakData['nric'];  
    $email = isset($keycloakData['email']) ? $keycloakData['email'] : '';  
    $username = isset($keycloakData['nama']) ? $keycloakData['nama'] : 'New User';  
    $full_name = isset($keycloakData['nama']) ? $keycloakData['nama'] : 'New User';  
    $defaultPassword = md5('defaultPassword123');  
    $defaultRole = 1;  
    $token = bin2hex(random_bytes(8));  
    $hashed_nric = hash('sha256', $nric);  
    $this->db->where('ic_number', $hashed_nric);  
    $existingUser = $this->db->get('administrators')->row_array();  
    if ($existingUser) {  
        $this->session->set_userdata('keycloak_user', $keycloakData);  
        $this->session->set_userdata('admin_id', $existingUser['user_id']);  
        redirect('admin/dashboard');    }  
}
```


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Figure 53: *register_new_account* Function Part 1

```

} else {
    $newUserData = [
        'username' => $username,
        'email' => $email,
        'ic_number' => $hashed_nric,
        'password' => $defaultPassword,
        'full_name' => $full_name,
        'role' => $defaultRole,
        'token' => $token
    ];
    if ($this->db->insert('administrators', $newUserData)) {
        $newUserId = $this->db->insert_id();
        $user = $this->db->where('user_id', $newUserId)->get('administrators')->row_array();
        $this->session->set_userdata('keycloak_user', $keycloakData);
        $this->session->set_userdata('admin_id', $user['user_id']);
        $this->session->set_userdata('admin_profile_img', $user['profile_img']);
        $this->session->set_userdata('chat_token', $user['token']);
        $this->session->set_userdata('role', $user['role']);
        $access_result_data = $this->db->where('admin_id', $user['user_id'])->where('access', 1)->select('module_id')->get('admin_access')->result_array();
        $access_result_data_array = array_column($access_result_data, 'module_id');
        $this->session->set_userdata('access_module', $access_result_data_array);
        redirect('admin/dashboard');
    } else {
        $error = $this->db->error();
        log_message('error', 'Database insert error: ' . print_r($error, true));
        show_error('Failed to insert new user data. Error: ' . $error['message']);
    }
}
}

```

Figure 54: *register_new_account* Function Part 2