

2.4.2.6 Create `getAccessTokenFromKeycloak` Function

In the `LoginController.php` file, implement the `getAccessTokenFromKeycloak` function. This function is responsible for exchanging the authorization code obtained during the authentication process with Keycloak for an access token.

```
private function getAccessTokenFromKeycloak($code)
{
    $config = config('keycloak-web');
    $client = new Client();
    try {
        $response = $client->post($config['base_url'] . '/realms/' . $config['realm'] . '/protocol/openid-connect/token', [
            'form_params' => [
                'grant_type' => 'authorization_code',
                'client_id' => $config['client_id'],
                'client_secret' => $config['client_secret'], // Use if client_secret is configured
                'code' => $code,
                'redirect_uri' => $config['redirect_uri'],
            ],
        ]);
        return json_decode($response->getBody()->getContents());
    } catch (\Exception $e) {
        return null;
    }
}
```

Figure 19: `getAccessTokenFromKeycloak` Function