# SWE523 PROJECT STUDY 2 (2025)

Single Sign On (SSO) Authentication with Google or GitHub

Due date: 7 Nov 2025, class time.

In this study you will add OAuth2 authentication to your project (Project 1). You can integrate your project with either Google or GitHub OAuth2 authentication server. Please check related examples and slides posted on Sabis.

At least there must be 2 roles in your application such as "user" and "admin". You should decide which user should access to which resources (pages, images and documents). Your application must allow to upload user images as well (see Figure 2). Show that you can adjust cookie expire time.

Below views are given as example you can do as shown here or you can just build a REST-API and show that your system works (by Postman).
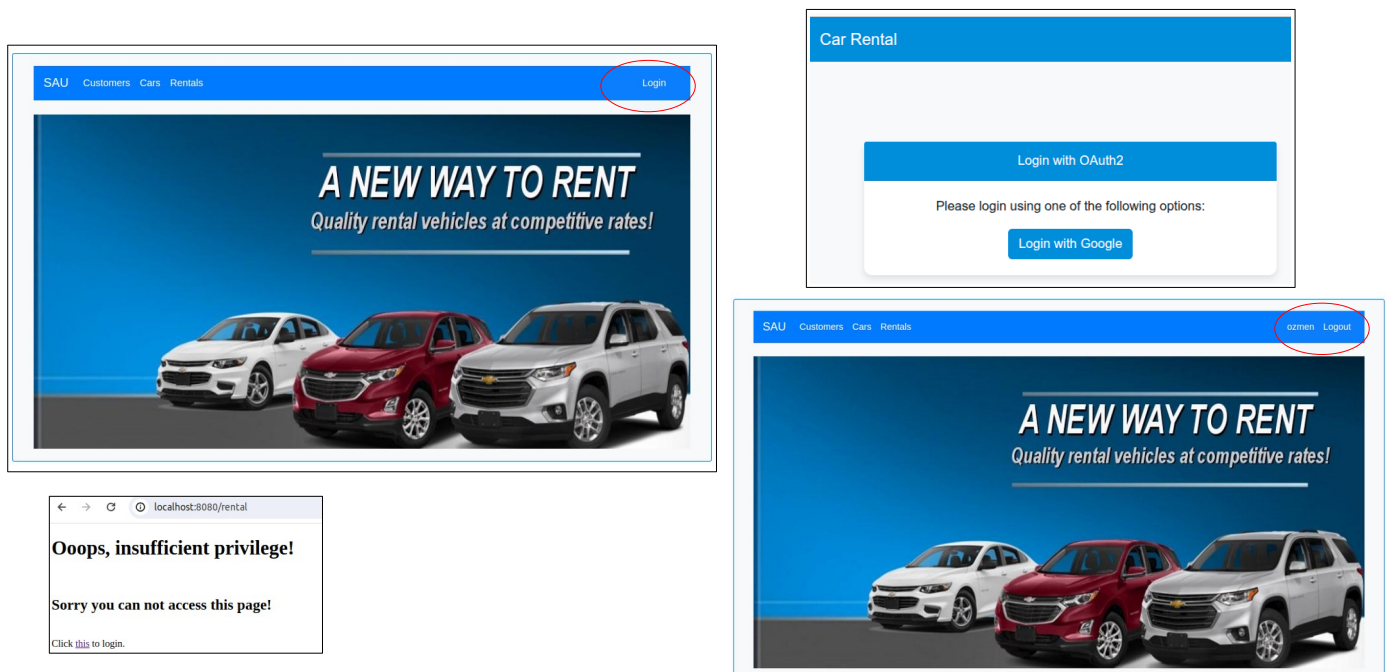
Figure 1: Example login and home views for car-rental project. Some pages, such as rental here only "Admin" role have access, if a normal user role tries to access this page, he/she must be informed and forwarded to login page.
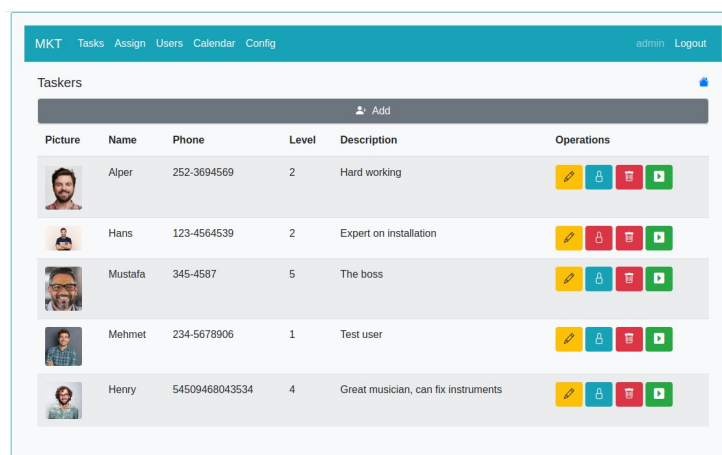
Figure 2. Example user page with profile images from Tasker application.

Grading:

No	Task	Grade
1	Project 2 is ready as a base.	15
2	Authentication is working.	25
3	Security filter chain is working (roles and resources) .	25
4	Image upload is working.	25
5	Everything works as described with no error, exceptions handled properly.	10

PS: Student must show up for presentation to collect points.