

CMPE 321 : INTRODUCTION TO DATABASE
SYSTEMS

PROJECT 3

2017 - SPRING

Hospital Appointment System

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1 Introduction

This project is about implementing a hospital appointment system in php. There should be users and admins for this system. Admins are allowed to do back-end operations such as create, edit, remove doctors or branches and list all appointments. Users are only allowed to do only create, edit, cancel appointment operations. Each doctor is allowed to be serve in a specific branch and if admin deletes a doctor, all his appointments are cancelled.

2 Database

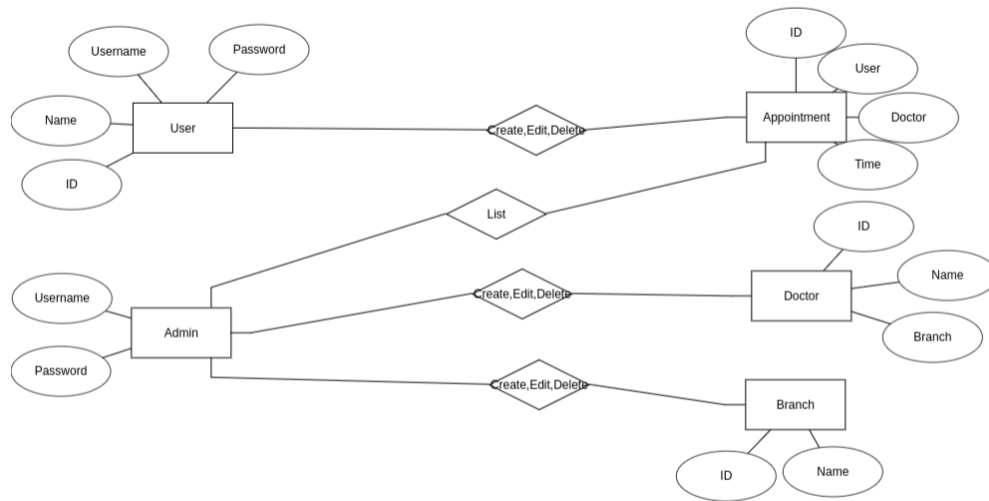


Figure 1: Entity Relationship Diagram

3 Interface

Below are the screenshots to show operational steps.



Figure 2: Registration Page for Users

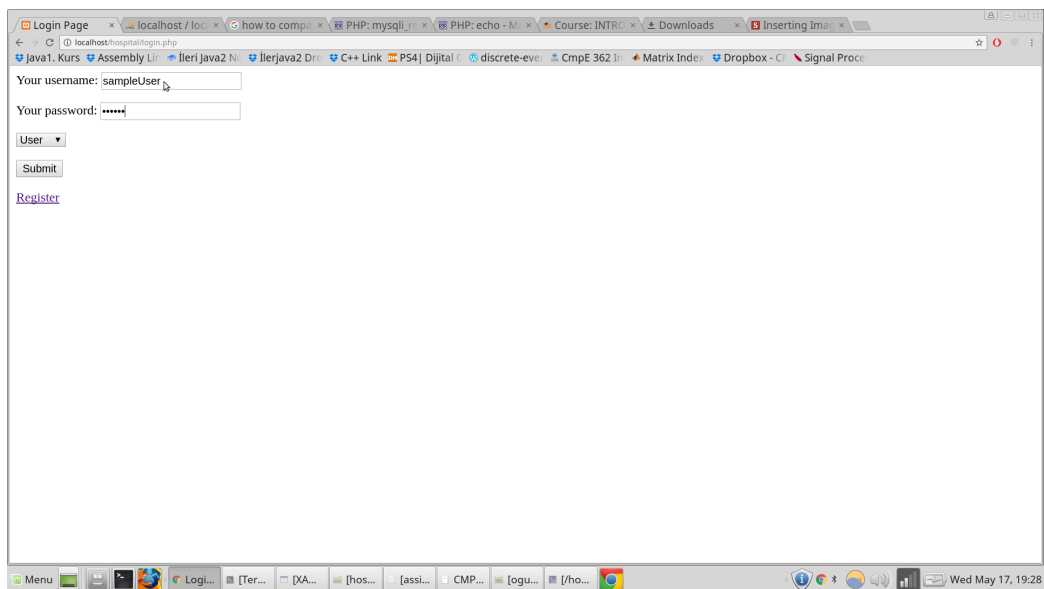


Figure 3: Login Page

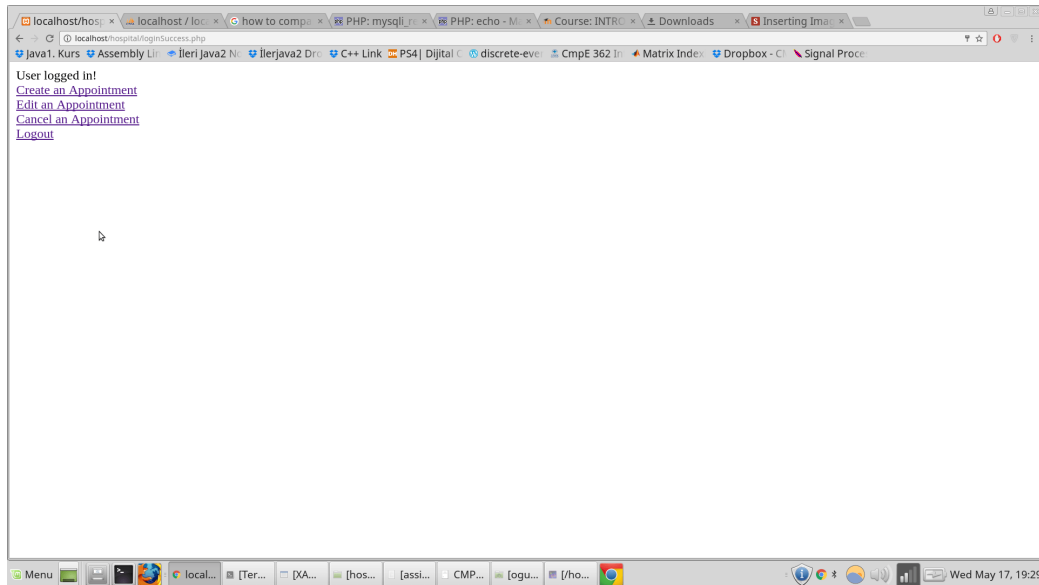


Figure 4: User Login Page

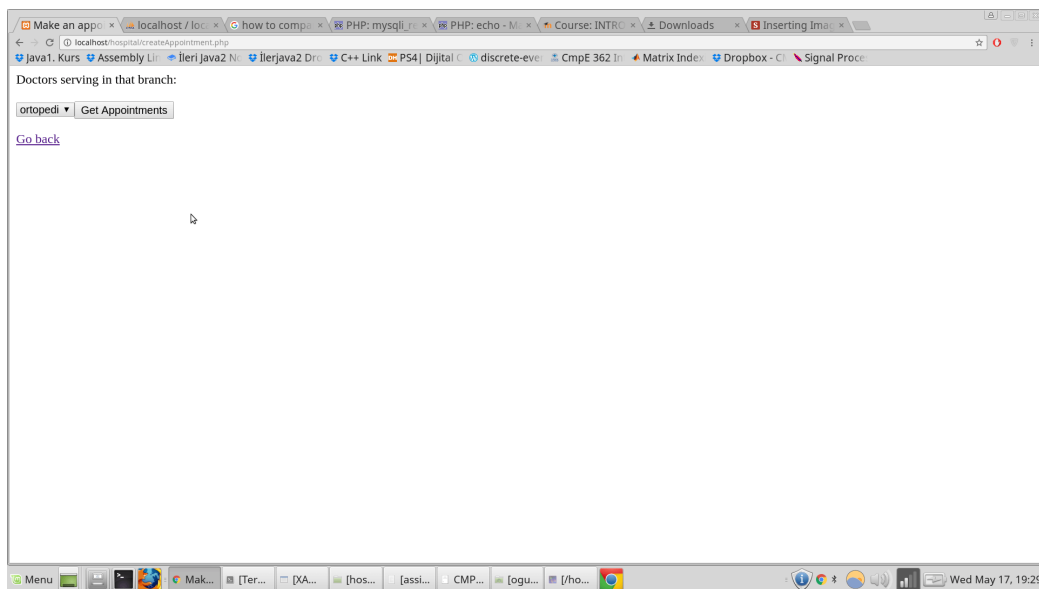


Figure 5: Create Appointment Step 1

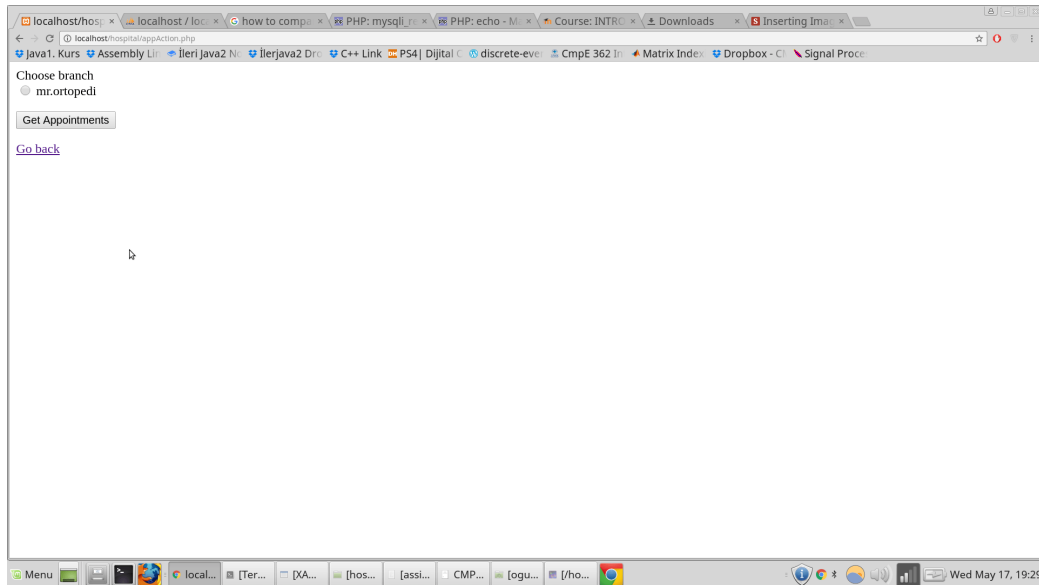


Figure 6: Create Appointment Step 2

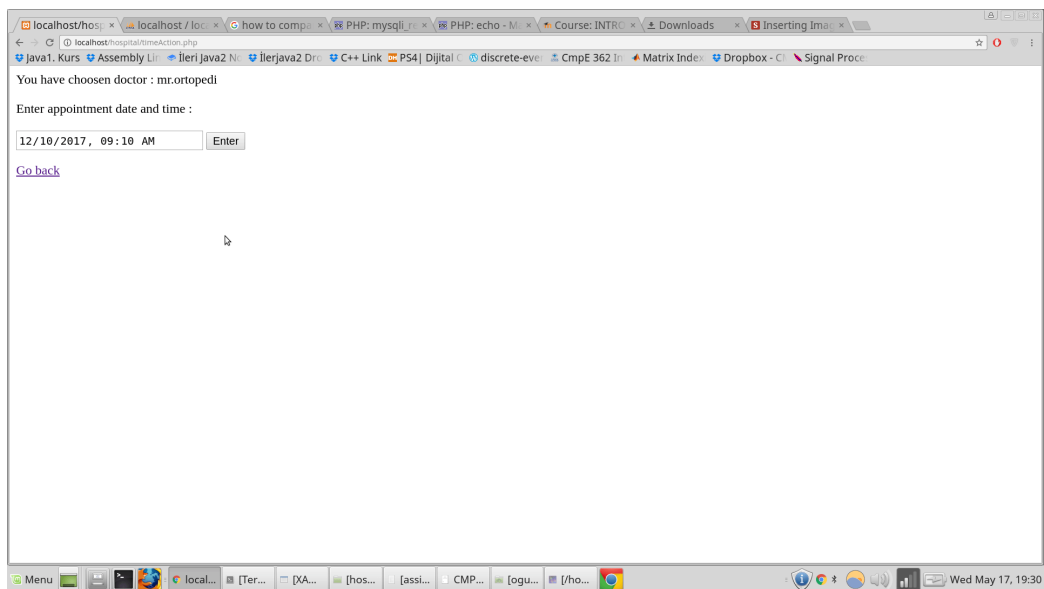


Figure 7: Create Appointment Step 3

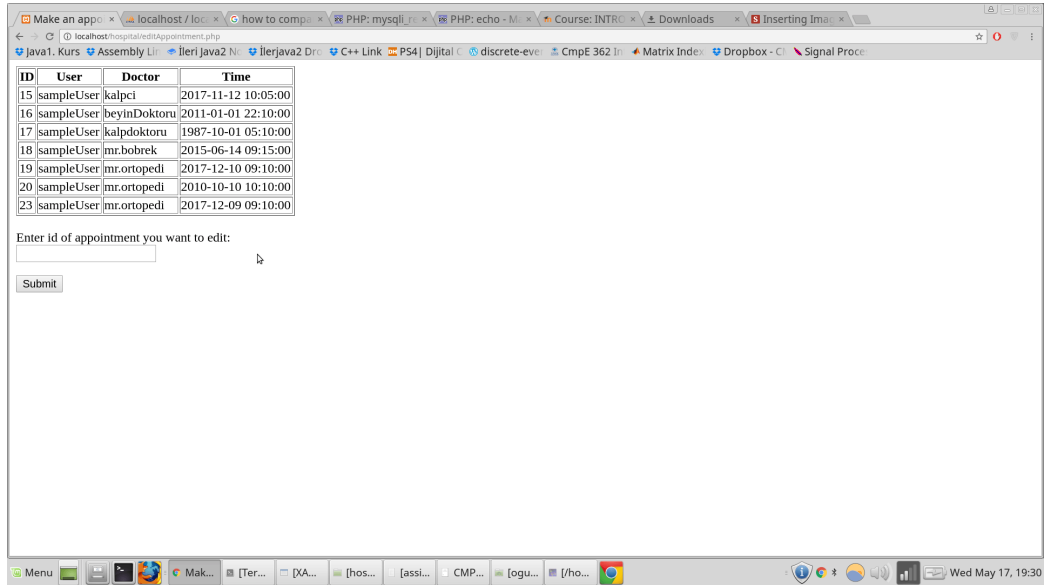


Figure 8: Edit Appointment Step 1

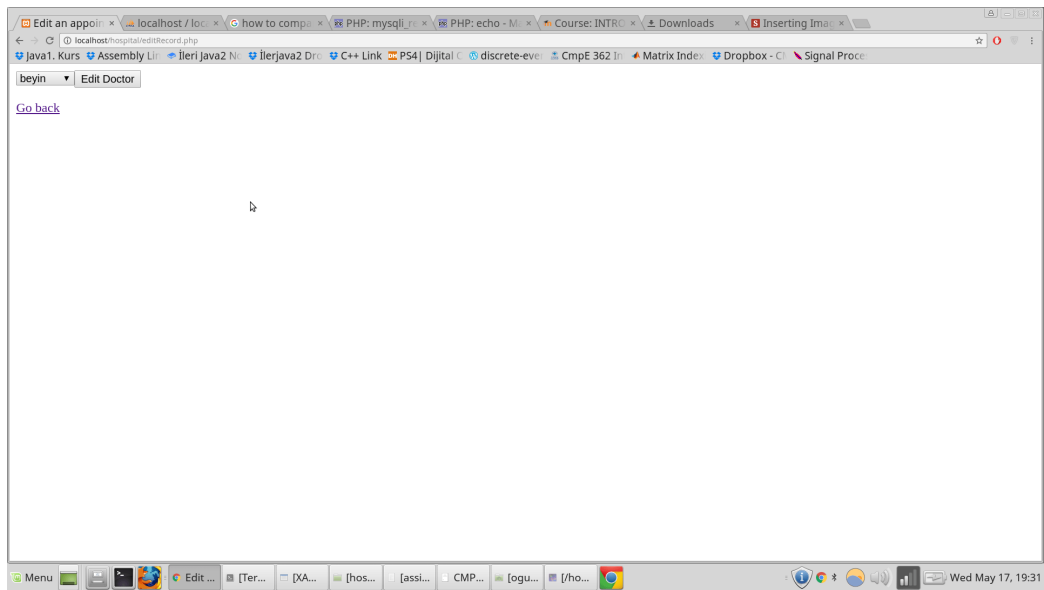


Figure 9: Edit Appointment Step 2

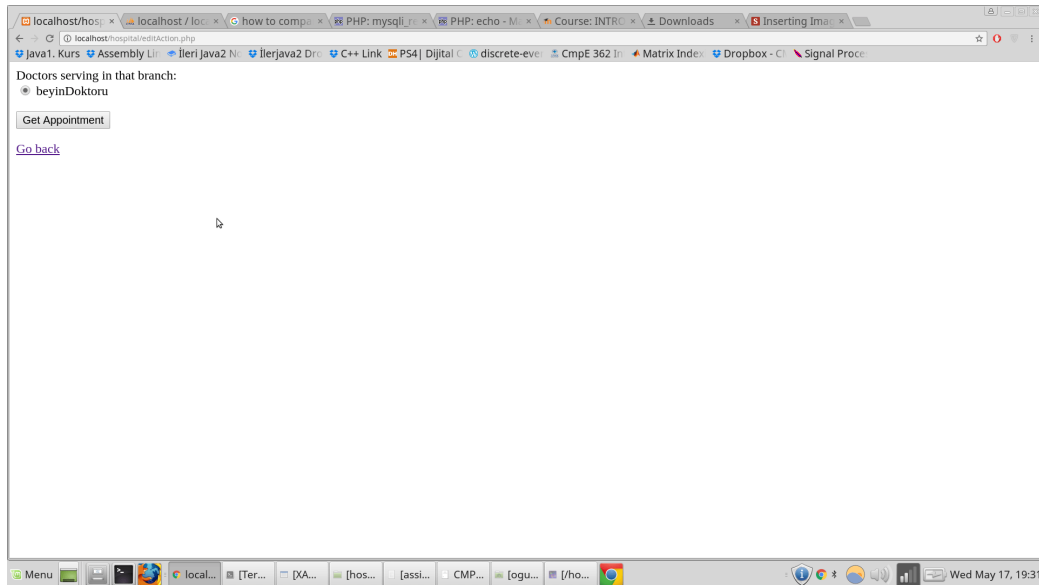


Figure 10: Edit Appointment Step 3

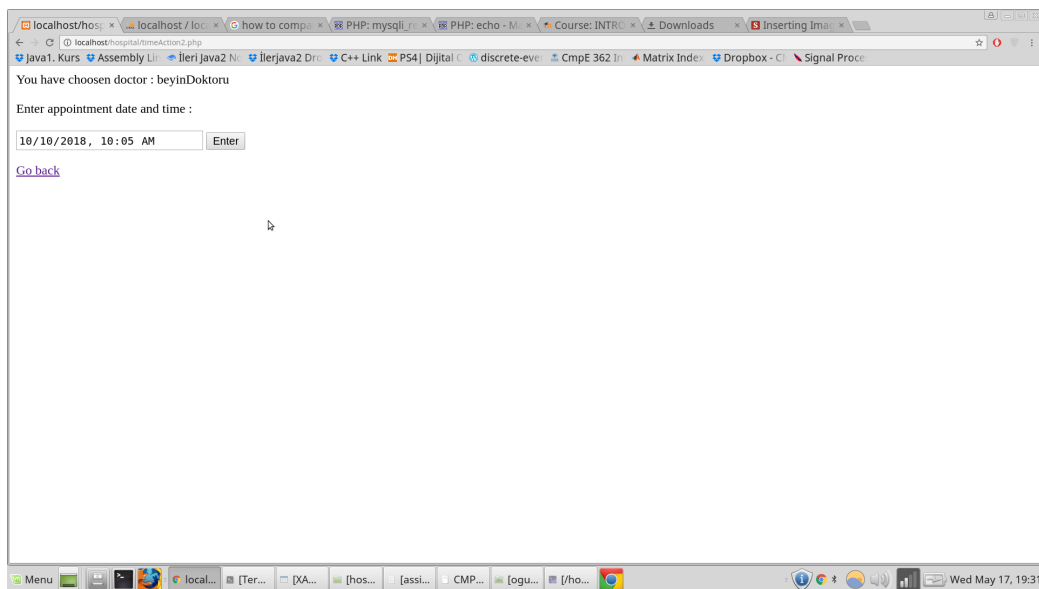


Figure 11: Edit Appointment Step 4

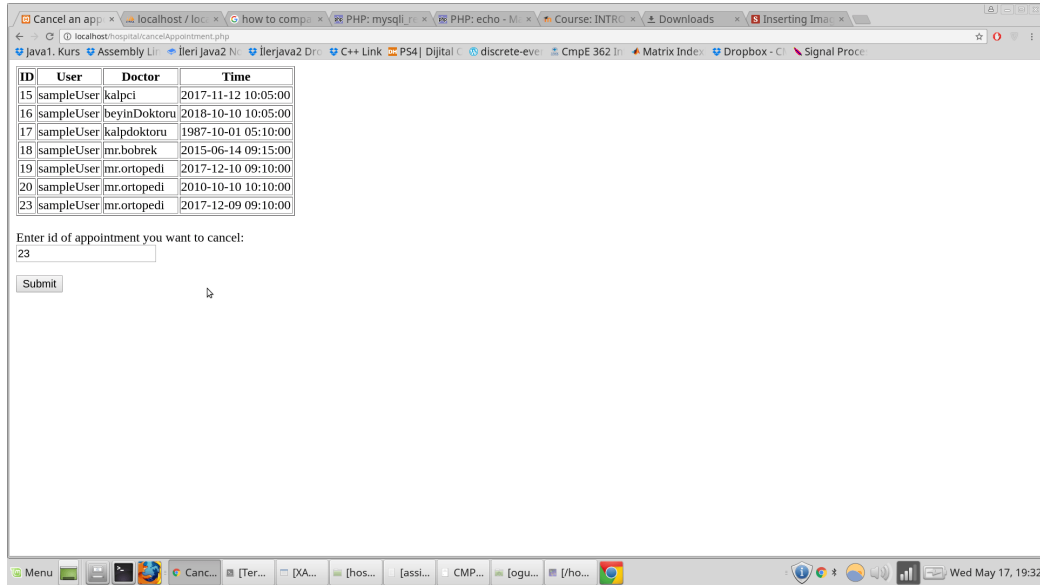


Figure 12: Cancel Appointment

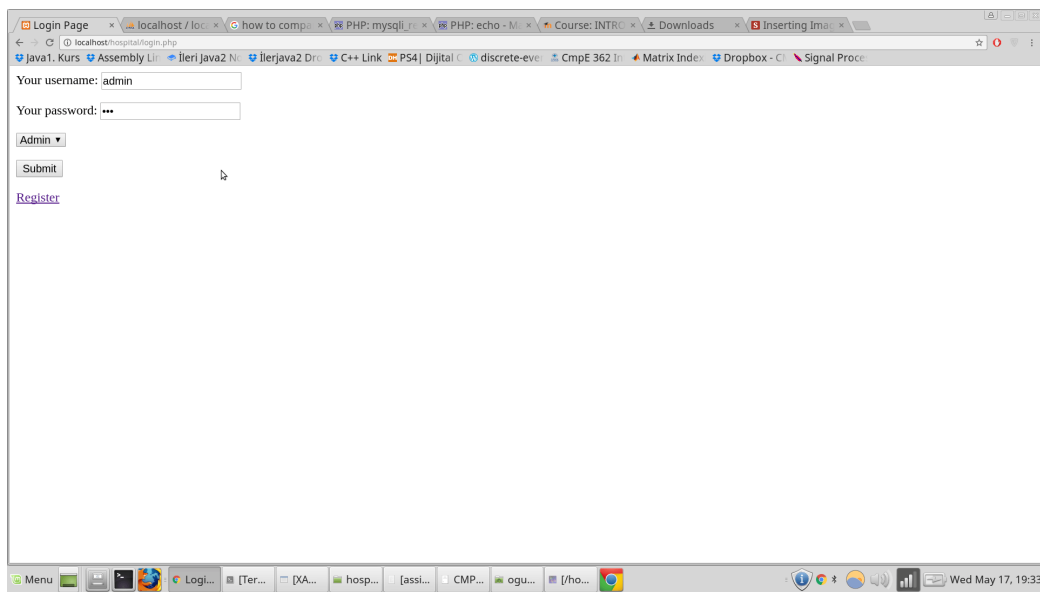


Figure 13: Admin Login Page

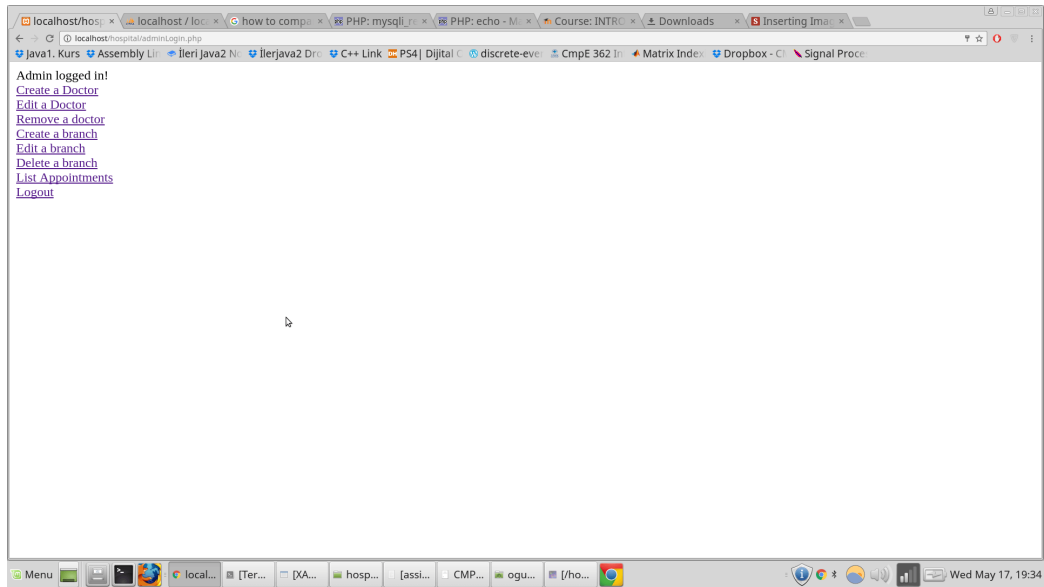


Figure 14: Admin Operations

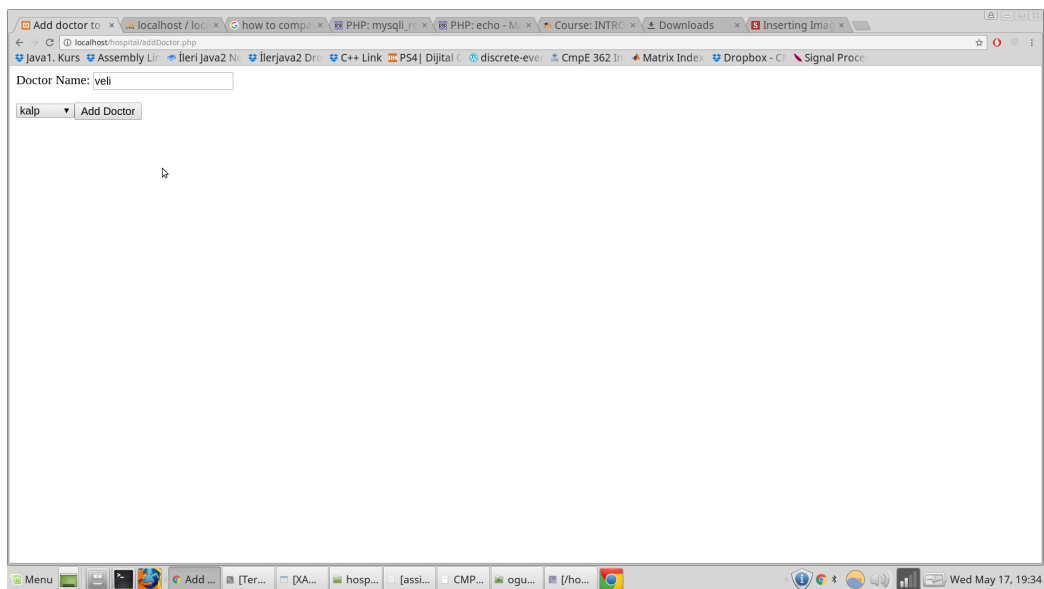


Figure 15: Add Doctor Page



Figure 16: Edit Doctor Info

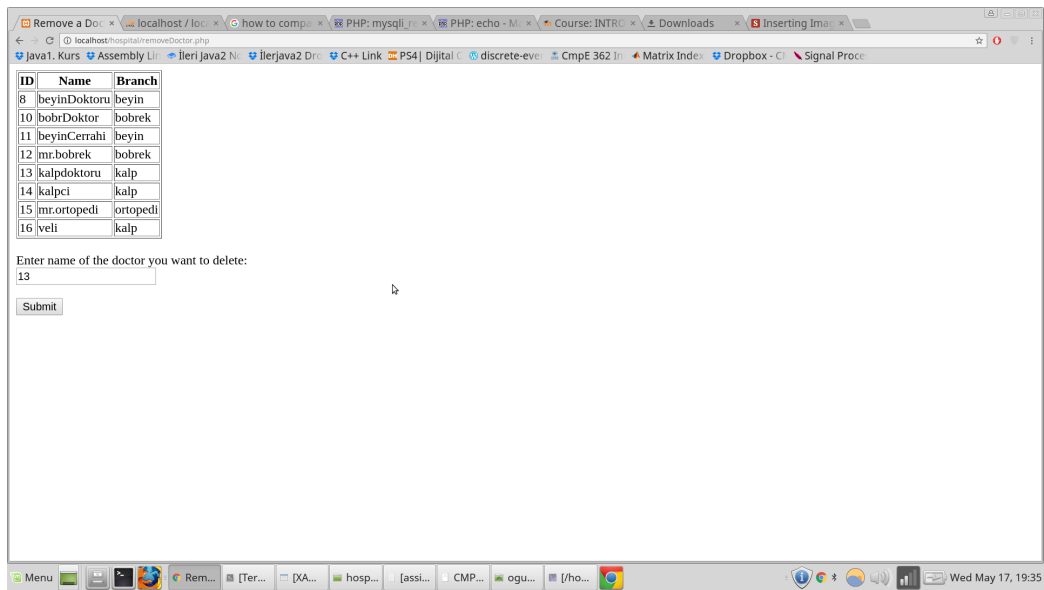


Figure 17: Remove Doctor

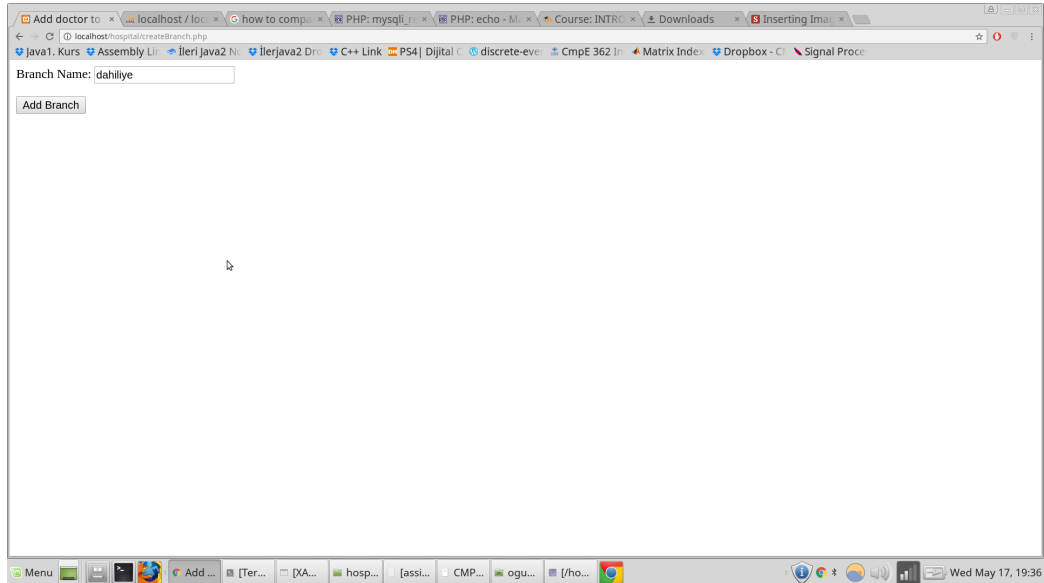


Figure 18: Add Branch

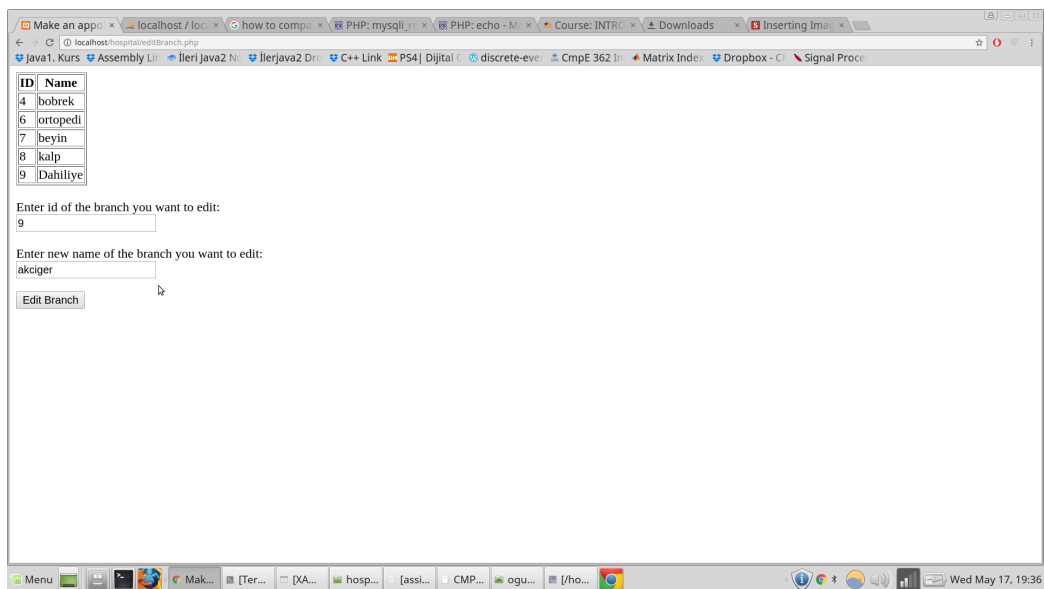


Figure 19: Edit Branch Info

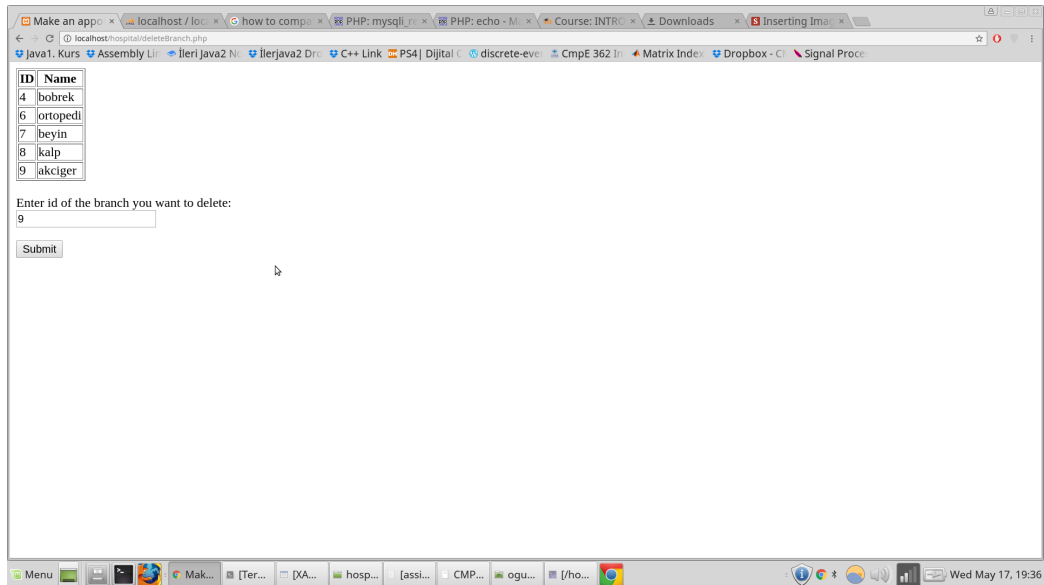


Figure 20: Delete Branch

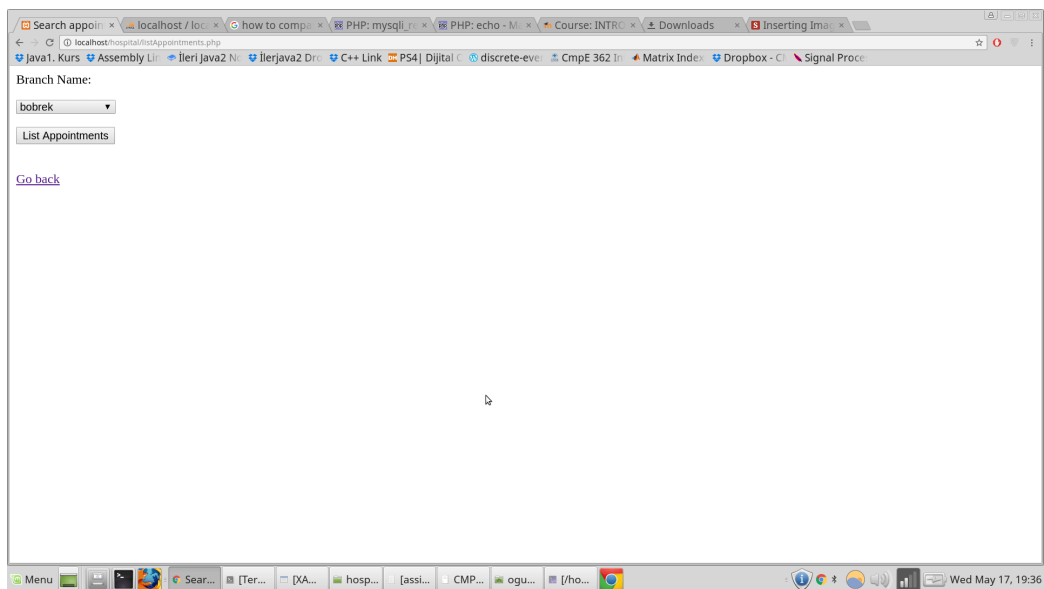


Figure 21: List Appointments Step 1

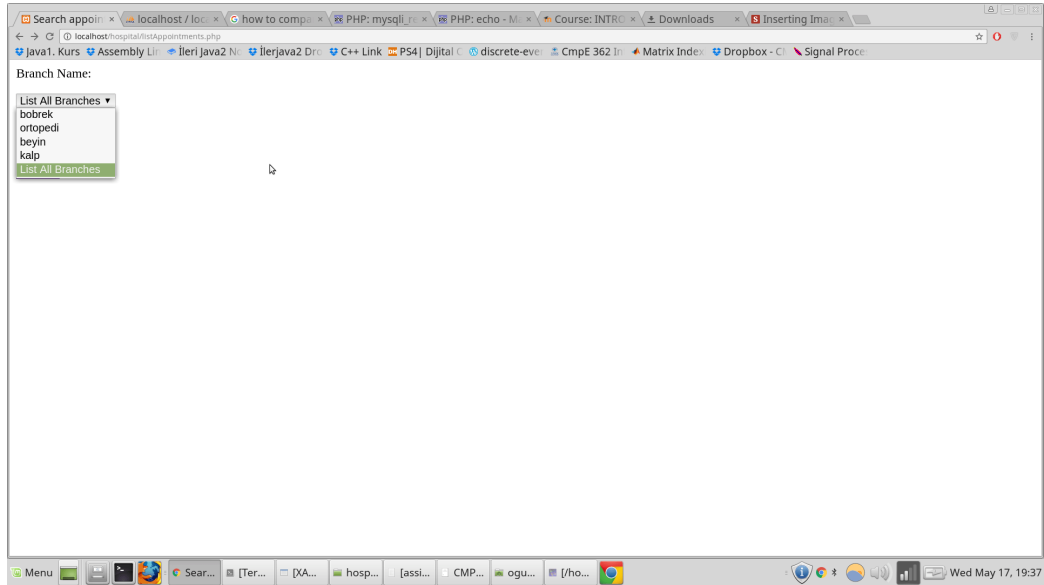


Figure 22: List Appointments Step 2

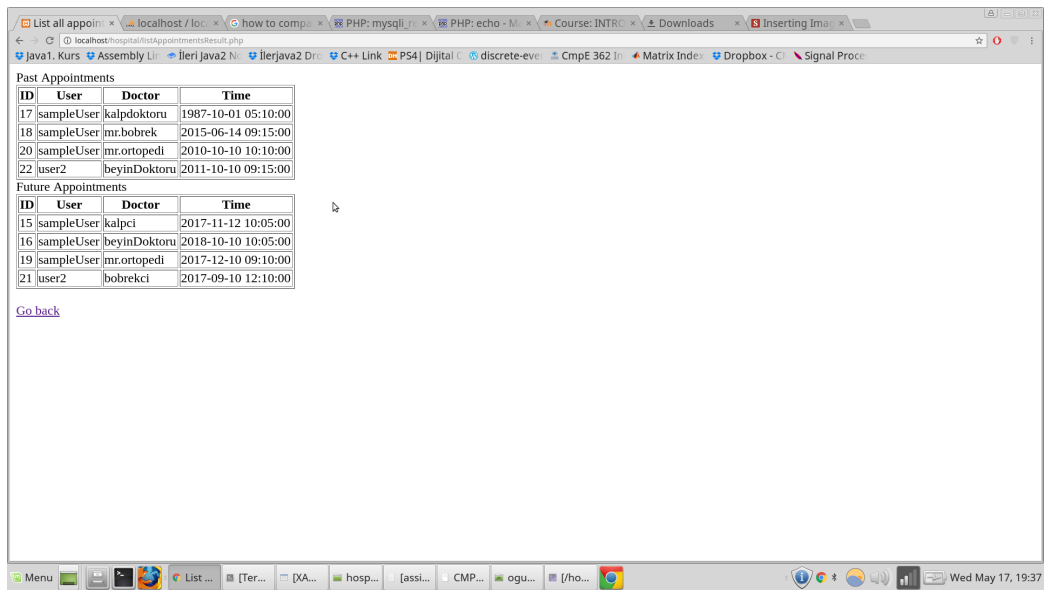


Figure 23: List Appointments Step 3

4 Conclusion

For this project, i used session control to authorize admins and differentiate them from users. An administrator can't access to a users page where at the same time a user can't also access to admin's page. At the beginning of each page, there is an if statement which checks whether in that session an admin or a user is logged in. To keep the login info, i stored username at the login page and used session start to keep that info at each page.

At the login screen, a user or an admin can choose from a dropdown list between admin and user, and if their login info is correct, they are directed to different pages. All user operations are available at user page and all admin operations are available at admin page.