

Course Number	COE692
Course Title	Software Design and Architecture
Semester/Year	Winter Semester 2024
Instructor	Dr. Faezeh Ensan
TA Name	Bita

Lab/Tutorial Report No.	Lab 5
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Report Title	Car Rental Management System
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Section No.	07 & 02
Submission Date	Friday Apr 12, 2024
Due Date	Friday Apr 12, 2024

Student Name	Student ID	Signature*
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*By signing above you attest that you have contributed to this submission and confirm that all work you have contributed to this submission is your own work. Any suspicion of copying or plagiarism in this work will result in an investigation of Academic Misconduct and may result in a “0” on the work, an “F” in the course, or possibly more severe penalties, as well as a Disciplinary Notice on your academic record under the Student Code of Academic Conduct, which can be found online at: <http://www.ryerson.ca/content/dam/senate/policies/pol60.pdf>

```
✓ CAR RENTAL MANAGEMENT SYSTEM
  ✓ src
    ✓ lab5Kuber
      ✓ BookCar
        > src
        > target
        ⚒ nb-configuration.xml
        ⚒ nbactions.xml
        🔪 pom.xml
      > Docker-Lab5Microservices
      > FrontEnd
      > kube
    ✓ ryerson.ca.CarBook
      ✓ src
        ✓ main
          ✓ java/ryerson/ca/carbook
            > business
            > endpoint
              J ApplicationConfig.java
              J Bookingresource.java 1
              J MyAppServletContextListener.java
            > helper
            > persistence
            > webapp
            > test
            > target
            ⚒ nb-configuration.xml
            🔪 pom.xml
      > SearchCars
    ⚒ Docker-Lab5Microservices.rar
  ✓ main
    ✓ java
      ✓ Business
        J Login.java 1
      ✓ Helper
        J UserInfo.java
      ✓ Persistence
        J User_CRUD.java
        L LoginServlet.java
```

Figure 1.0: list of pods created on the cluster.

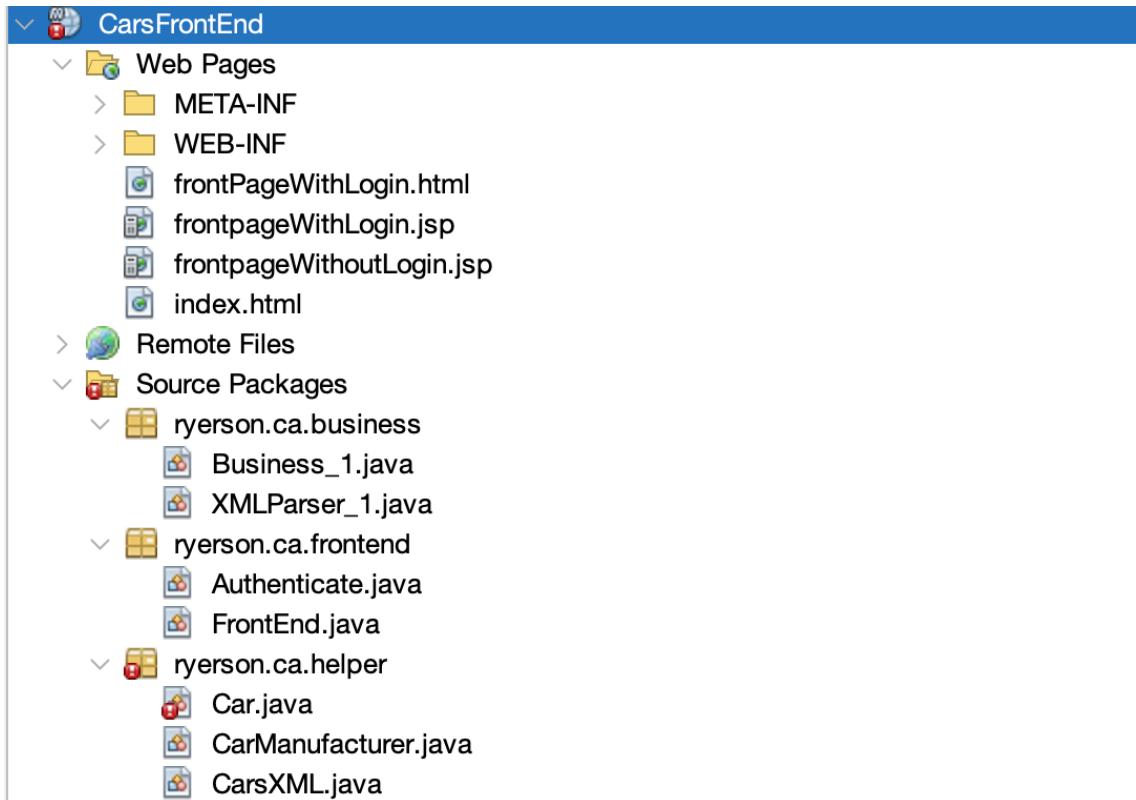


Figure 2.0: information and contents of the Frontend service of the web application.

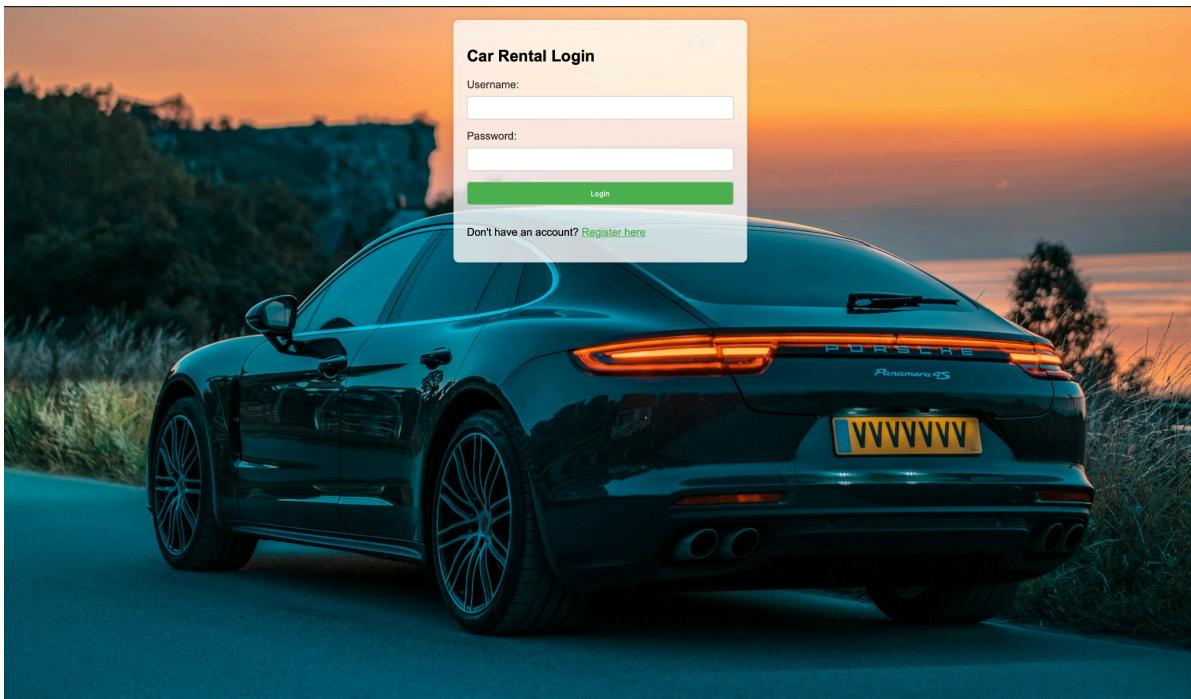


Figure 3.0: login page for the Car Rental Management system.

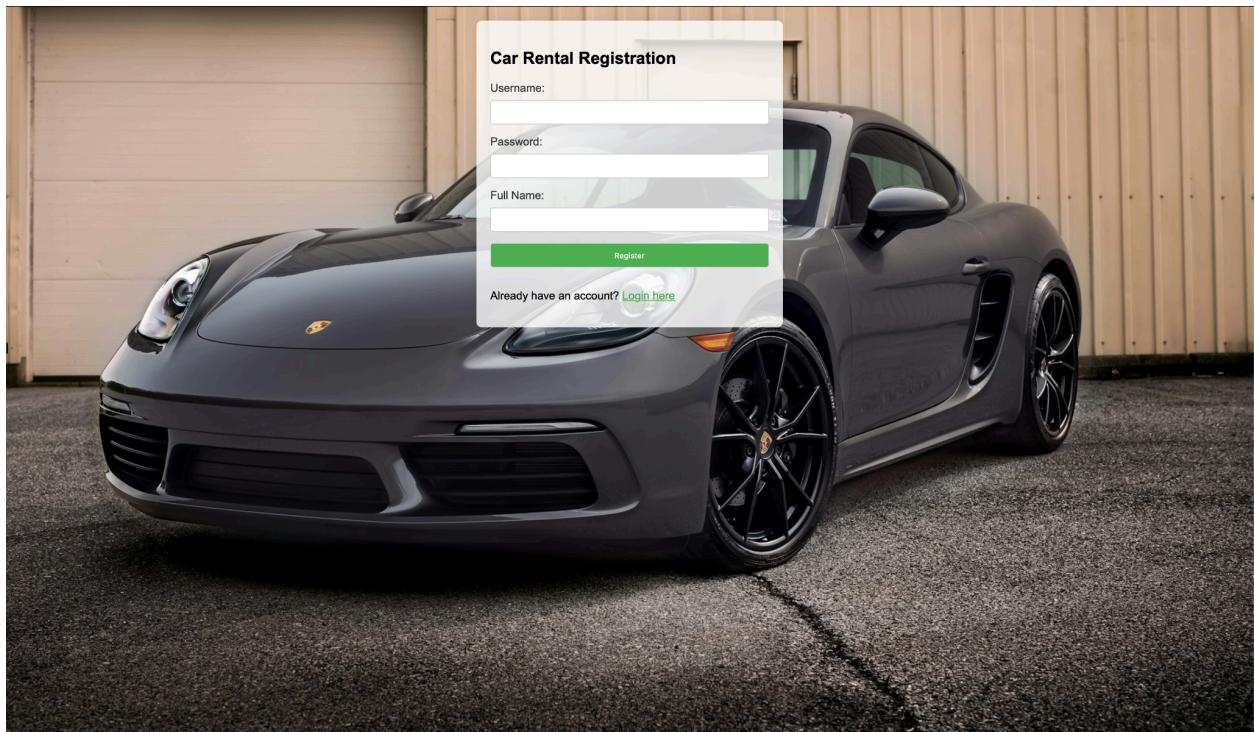


Figure 4.0: user registration page of the web application.

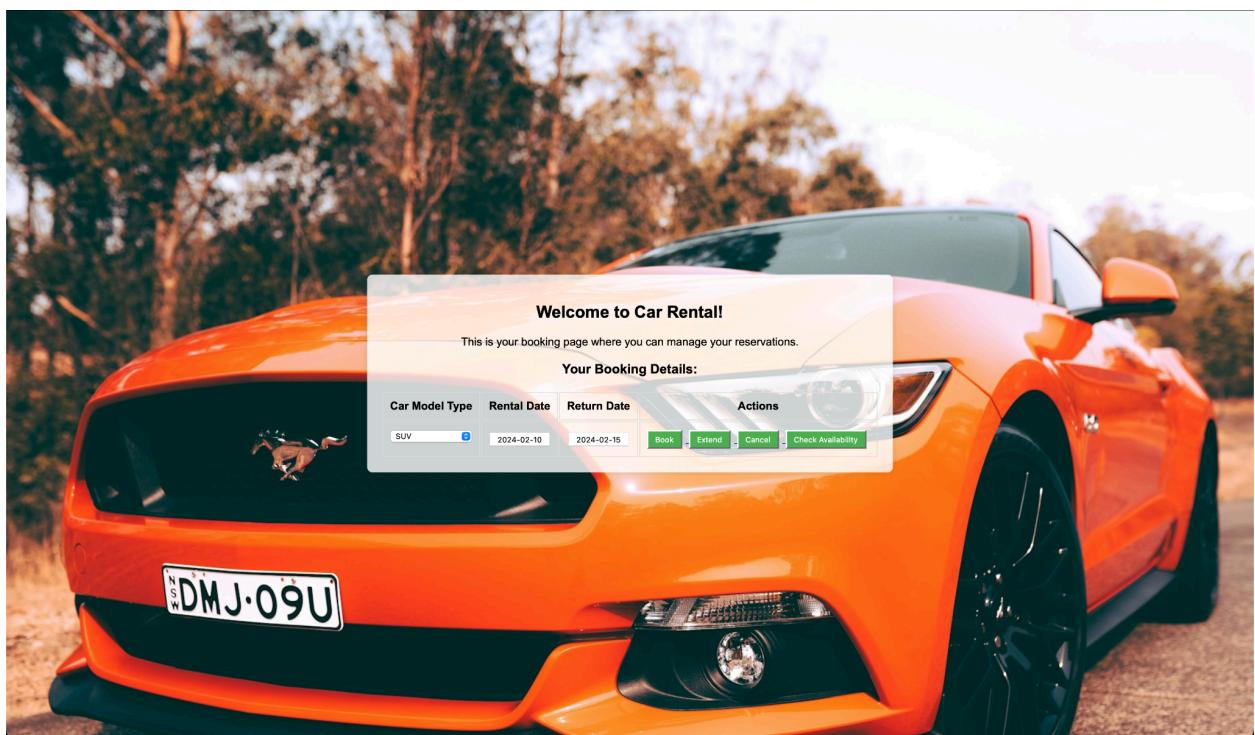


Figure 5.0: Car Rental System welcome page (Post Authentication) with search engine.