

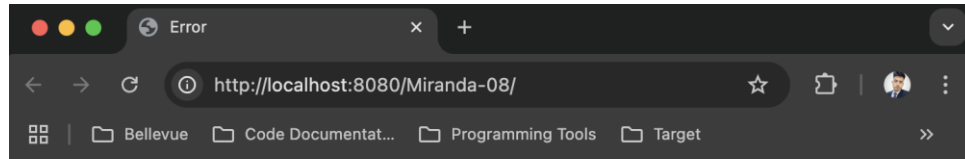
Noel Miranda

April 23, 2025

Server-Side Development

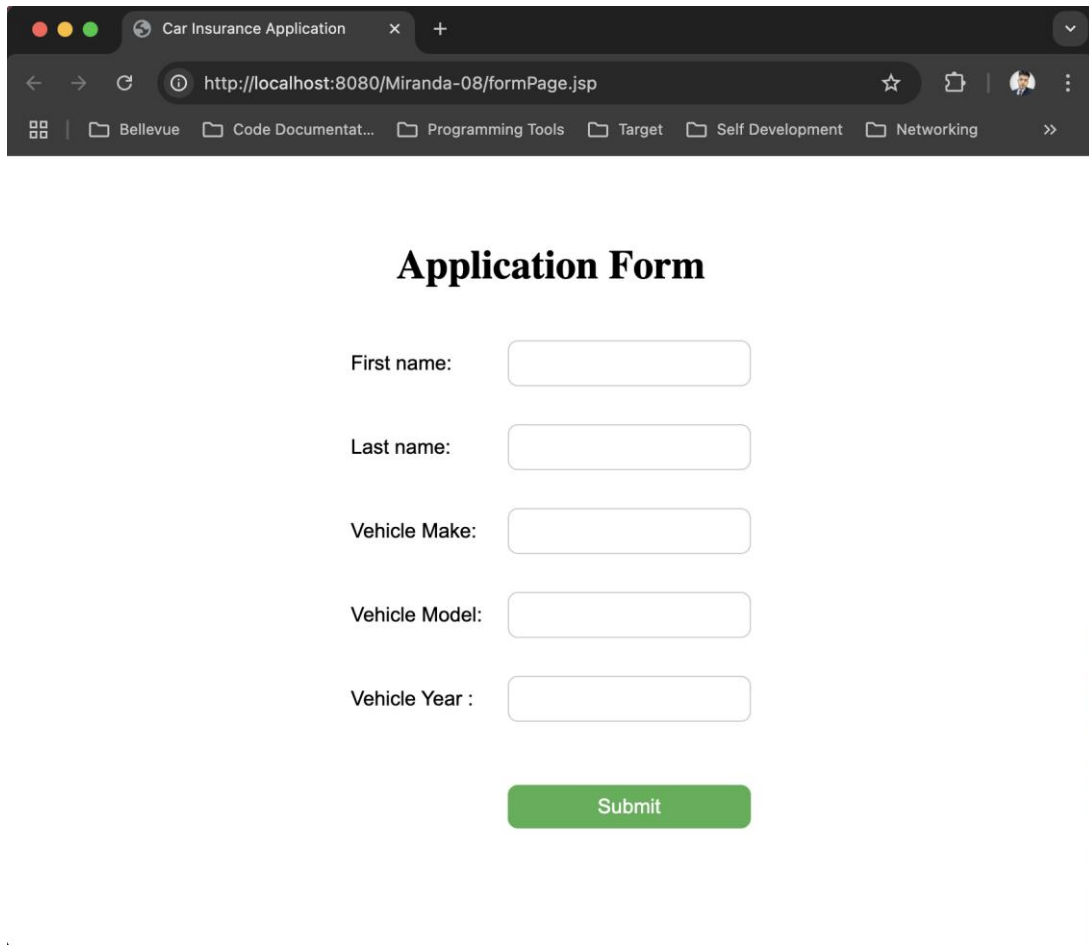
Module 8

The createTable.jsp creates the table and populates it in the server-side. If the table does not get created or populated successfully then the jsp creates a simple html page displaying an error.



Error: Communications link failure The last packet sent successfully to the server was 0 milliseconds ago. The driver has not received any packets from the server.

If it gets successfully created, then the user gets redirected to the other jsp (formPage.jsp) which displays a form with input fields for the user to fill out. Upon submitting these fields, they are set in the “insured” javabean with the jsp setProperty tag. This is the display of the form upon successfully redirecting:



The screenshot shows a web browser window with the title "Car Insurance Application". The address bar displays "http://localhost:8080/Miranda-08/formPage.jsp". The browser's bookmark bar includes "Bellevue", "Code Documentat...", "Programming Tools", "Target", "Self Development", and "Networking". The main content area features a form titled "Application Form" with the following fields and a submit button:

**Application Form**

First name:

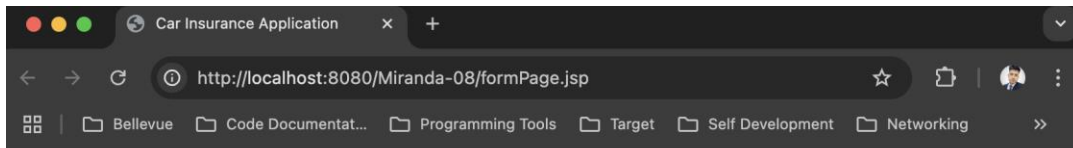
Last name:

Vehicle Make:

Vehicle Model:

Vehicle Year :

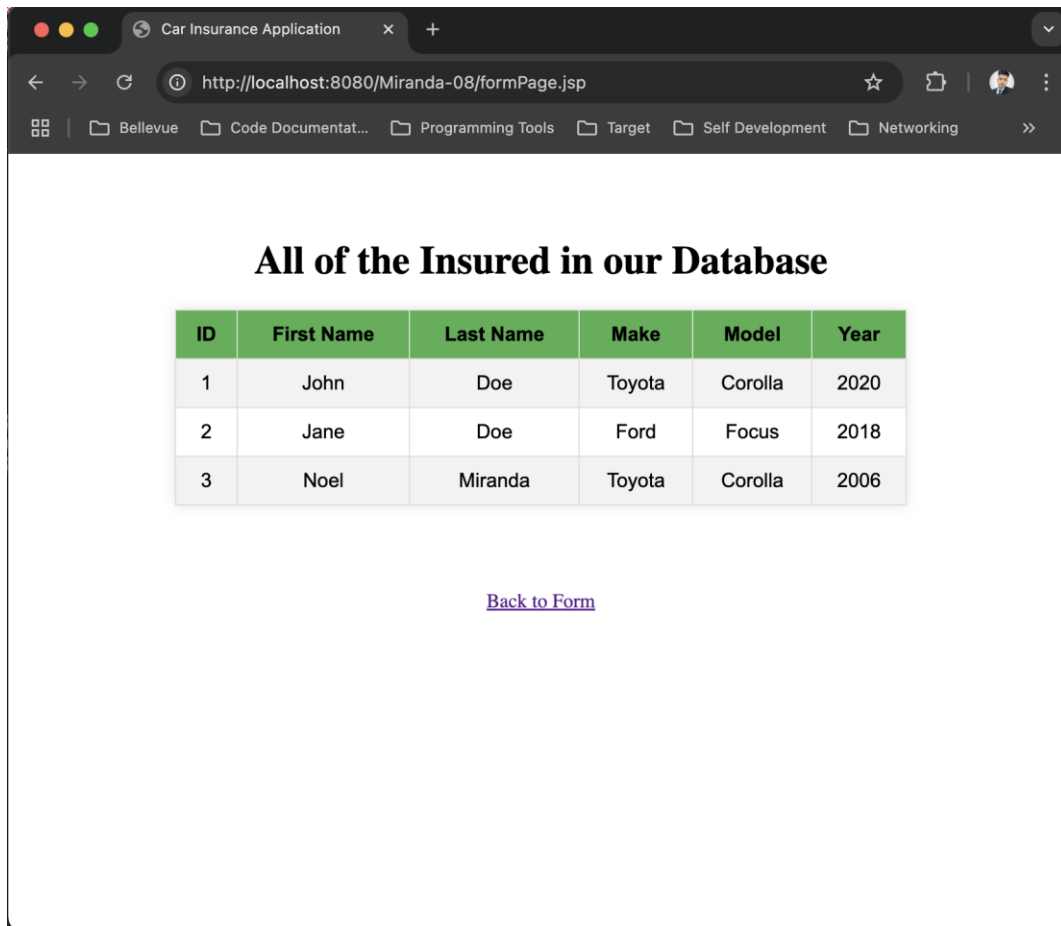
I also implemented simple client-side validation which requires the fields to be filled. I also used a number type input for the integer field to only allow the user to input numbers through a certain constraint I have set.



## Application Form

First name:	<input type="text" value="Noel"/>
Last name:	<input type="text"/>
Vehicle Make:	<input type="text" value="Toyota"/>
Vehicle Model:	<input type="text" value="Corolla"/>
Vehicle Year :	<input type="text" value="2006"/>
<input type="submit" value="Submit"/>	

Upon submitting the form, a post action directs the form post back to the same JSP, which in the doPost method saves the form data to the database using a JavaBean. It then responds back with a query from the database displaying all the current records in an appealing table. I also added a link to get back to the form.



## References

Manelli, L., & Giulio Zambon. (2020). *Beginning Jakarta EE web development : using JSP, JSF, MySQL, and Apache Tomcat for building Java web applications*. Apress.