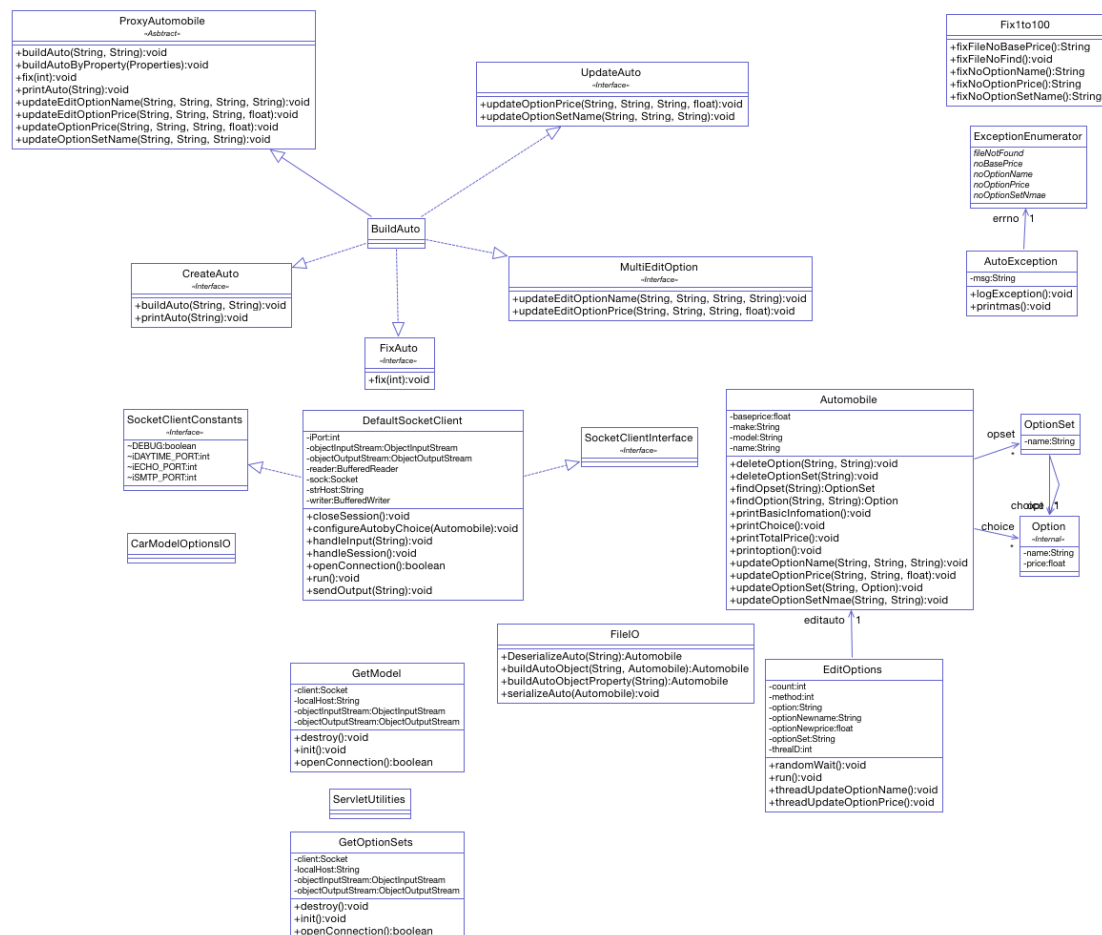


# Documentation for Project1 unit4: Building Client-Server model

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Here is the class diagram of project1 unit5 servlet.:



## Project Description:

In this time, we build a web dynamic project by using Eclipse. For this project, we also extend the code from Project1 unit4. But we also add some code to this project for meeting our requirement from handout.

Here are the main files we focus on this time.

1. GetModel.java is the first servlet, which interacts with the Client (created in Unit 4), to get the list of available models.

2. GetOptionSets.java is the second servlet, which can interact with the Client (created in Unit 4), to get the data for the list of available OptionSets.
3. GetResult.jsp is the jsp file, which shows the OptionSets and prints the selected choices with total vehicle cost.

## Showing Result

The below is the result from our project, you can review it and save your time to restart the project.

1. Run the Server.

Go to the unit5Server, server package, run the Server.java as java application.

```
The server is starting....  
Listening on the port: 2222  
Server has started, waiting for client....  
|
```

2. Run the terminal client.

Go to the project1unit5\_servlet, client package, run the CarModelOptionsIO.java as application.

```
Client Starting.....  
Client has started, please input what you want to do...  
Server: Have connected to 2222  
Here is the option you can choose:  
1. Upload  
2. Configure  
0. Quit
```

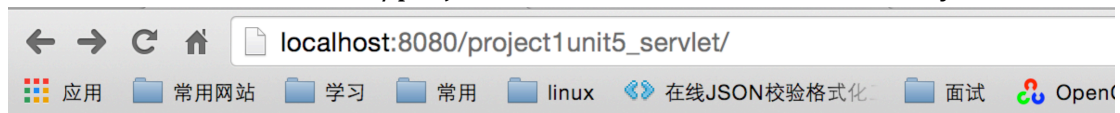
3. Upload car model to server. At least upload one car. When you upload the car, please input the correct file name.

```

Client Starting.....
Client has started, please input what you want to do...
Server: Have connected to 2222
Here is the option you can choose:
1. Upload
2. Configure
0. Quit
1
Server: Got the upload order, please input the file name:
Toyota.Properties
Server: System has got the file Toyota.Properties
Server: The car is built successfully!!!
Here is the option you can choose:
1. Upload
2. Configure
0. Quit
1
Server: Got the upload order, please input the file name:
Focus.Properties
Server: System has got the file Focus.Properties
Server: The car is built successfully!!!
Here is the option you can choose:
1. Upload
2. Configure
0. Quit

```

4. Run the project1unit5servlet project on your Tomcat, and then, access to the address: localhost:8080/project1unit5\_servlet. Click the "Enter System"



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This is Project 1 Unit 5 index page.

Please push the bottom below, enter the car configuration system.

- [Enter System](#)

5. You can see the list of model in the web page, choose one of then, and then click the "submit" button.

# Model List

Toyota Prius	⌵	Submit
--------------	---	--------

6. Now, you can start to configure your car. When you select all option, click the “Done” button.

## Car Configuration Information

Make&Model	Toyota Prius
Color	Fort Knox Gold Clearcoat Metallic ⌵
Transmission	Automatic ⌵
Brakes/Traction Control	Standard ⌵
Side Impact Air Bags	None ⌵
Power Moonroof	None ⌵
	Done

7. You will see the result from the GetResult.jsp web page.

Here is what you selected

Toyota Prius	base price	18445.0
Color	Fort Knox Gold Clearcoat Metallic	0.0
Transmission	Automatic	0.0
ABS/Traction Control	Standard	0.0
Side Impact Air Bags	None	0.0
Power Moonroof	None	0.0
Total Cost		\$18445.0