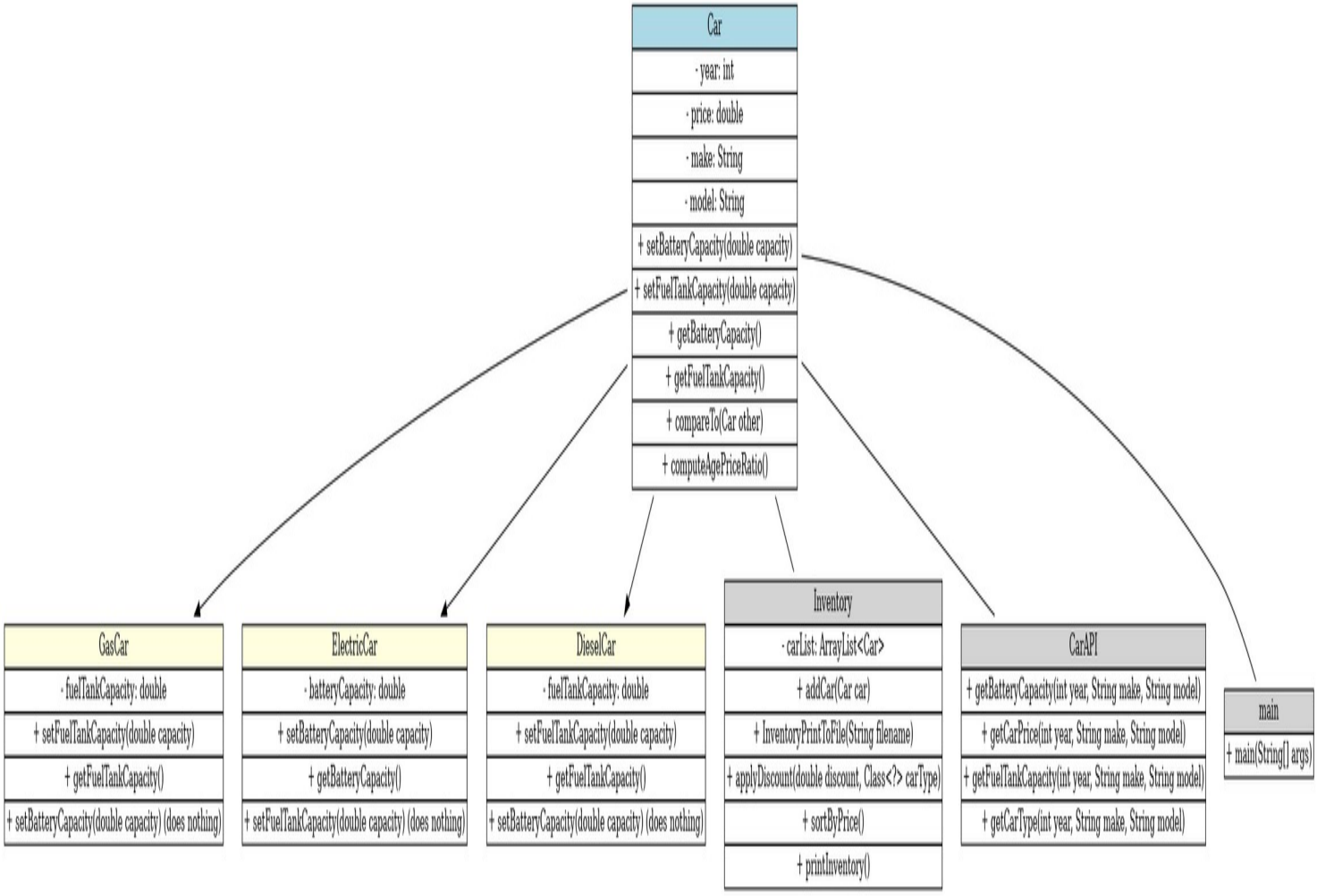
Jacob Archer
6/23/24

Lab 5



Question 1

You need to install a JSON parsing library because IntelliJ IDEA doesn't come with every possible library by default. This approach keeps things modular and lets developers pick the tools that best fit their needs, like Jackson or Gson for JSON parsing. It helps avoid unnecessary bloat, ensures you can choose compatible versions, and keeps things secure and maintainable. IntelliJ works great with tools like Maven or Gradle to make managing these dependencies easy, giving you the flexibility to build your project with just the libraries you need.

CarAPI.java - School - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

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OUTLINE

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CS160L > Lab2 > CarAPI.java

```java
import org.json.JSONArray;
import org.json.JSONObject;

import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.net.HttpURLConnection;
import java.net.URL;

public class CarAPI {
    private static JSONObject jsonObject;

    // Helper function to get the JSONObject from the API call
    private static void makeAPICall(int year, String make, String model, String requestType) {
        try {
            // Construct the URL with query parameters
            String urlStr = "https://carapi.app/api/"+requestType +
                    "&verbose=yes&year="+year+"&make="+make.replace(target:" ", replacement:"%20")+"&model="+model.replace(target:" ", replacement:"%20");
            URL url = new URL(urlStr);

            // Open a connection
            HttpURLConnection conn = (HttpURLConnection) url.openConnection();
            conn.setRequestMethod(method:"GET");

            // Get the response code
            int responseCode = conn.getResponseCode();
            //System.out.println("Response Code: " + responseCode);

            // Read the response
            BufferedReader in = new BufferedReader(new InputStreamReader(conn.getInputStream()));
            String inputLine;
            StringBuffer response = new StringBuffer();

            while ((inputLine = in.readLine()) != null) {
                response.append(inputLine);
            }
            in.close();


            // They need to add org.json to dependence
            // Parse the entire JSON response into a JSONObject
```

PROBLEMS 34 | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS | COMMENTS

Tasks

master* 31 3 0 Java: Warning

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