**Vehicle Registration Details**

**Requirement**:

1. Using spring service bean, scan the directory containing minimum 10 files and retrieve information like filename, file mime type, file size, file extension.
2. Also retrieve specific mime type files like CSV or excel.
3. Using selenium framework, retrieve the CSV file from the directory and read through contents from it.
4. Open the website and check the values of the vehicle registration number entered.
5. The values from csv and the values from website should match.

**Development (Steps taken)**:

1. Created a project using Spring framework.
2. Created a directory having 14 files of various file types like pdf, text doc, word doc, png, csv.
3. Retrieved the details of those files and specific mime type files in GetFileDetailsImpl.java.
4. To verify these details, we need to invoke the webpage using selenium.
5. The webpage is invoked and is implemented in InvokeWebPageTest.java.
6. The values from the webpage and the values retrieved from the csv file are matched in the same class.

**Key implementations**:

1. Appropriate junits are written and run for the java implementation classes and checked for success output.
2. The values are asserted from the website with the csv file values.
3. The value is verified for more than one data input and is handled in the code.
4. Proper logs and comments are in place for each method.
5. Hard coded values are moved to Constants file.
6. Appropriate packages are created for clear understanding as what is been done in those classes.
7. Implemented design patterns like Singleton and Page object Model (POM) patterns in selenium.

**Work Flow:**

**GetServiceBean.java ->** gets the bean id from **ServicesContext.xml** and navigates to appropriate class file.

**GetServiceBean.java ->GetFileDetails.java->GetFileDetailsImpl.java -** implementation of files and its details.

**GetServiceBean.java-> InvokeWebPageTest.java -> ReadVehicleDetails.java –** implementation of invoking webpage and compare values of webpage against csv file retrieved.

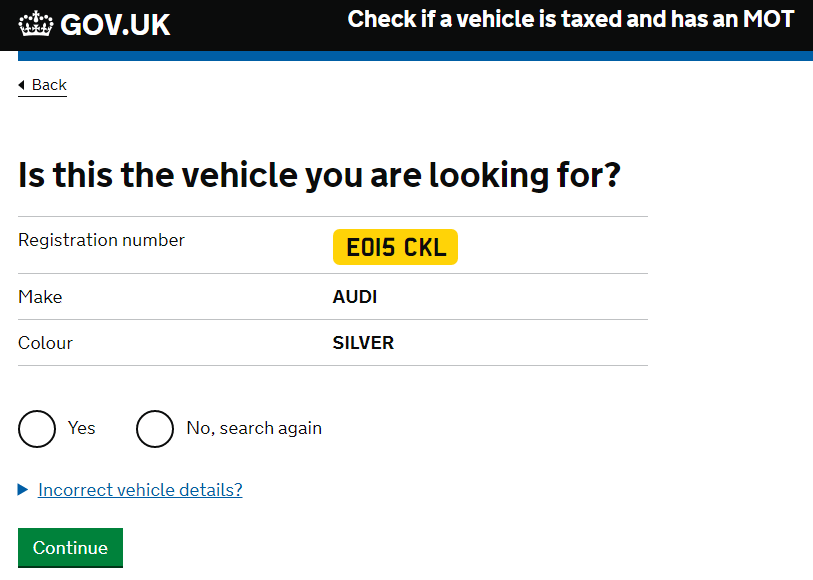
**Data Comparison:**

**CSV sample data:**

REGNO,MAKE,COLOR

EO15CKL,AUDI,SILVER

**UI Data:**

****