User story:

As an insurance agent I want to create a new driver with a driver first name using the Driver Post endpoint.

Requirement:

Name	Data Type	Description	Required	Additional Info
firstname	text	Driver First Name	TRUE	First name must be - Provided - Alphanumeric only - Special Characters are not allowed - Max 20 Characters - For success attempts, status code 201 received. - For errors, status code 400 received.

Test case outline

1. Verify that the user is able to successfully save driver information with a valid first name.
2. Verify that the user receives an error when the first name is not provided.
3. Verify that first name with alphanumeric characters is acceptable
4. Verify that first name with special characters is not acceptable and renders an error
5. Verify that first name with 20 or less characters is acceptable by the system
6. Verify that first name with 21 characters is not acceptable

API Information

- API URL**: https://generalinsurance-ff4b.restdb.io/rest/driver**
- API Method**: Post**
- Authentication: Bearer <token>

Test case 1:

API Body	Expected	Actual

{
   "lastname": "Jason7",
   "firstname": "Float abc",
   "middleinitial": "Mr",
   "dob": "1980-07-06",
   "email": "jason_Float7@gmail.com",
   "ssn": "851-11-6711",
   "phonenumber":"728-942-1823",
   "cellnumber":"728-943-1933",
   "createddate":"2023-01-10",
   "active":"true",
   "isprimarypolicyholder": false,
   "policy_id": 45645216,
   "maritalstatus": "single"
}
	User is able to save driver information successfully with a valid first name.	

	Status code 201 received.	

Test case 2:

API Body	Expected	Actual

{
   "lastname": "Jason7",
   "middleinitial": "Mr",
   "dob": "1980-07-06",
   "email":
"jason_Float7@gmail.com",
   "ssn": "851-11-6711",
   "phonenumber":"728-942-1823",
   "cellnumber":"728-943-1933",
   "createddate":"2023-01-10",
   "active":"true",
   "isprimarypolicyholder": false,
   "policy_id": 45645216,
   "maritalstatus": "single"
}
	Verify that the user receives an error when the first name is not provided.	

	Status code 400 received.	

Test case 3:

API Body	Expected	Actual

{
    "lastname": "test3",
    "firstname": "Float@",
    "middleinitial": "Mr",
    "dob": "1980-07-06",
    "email":
"jason_Float7@gmail.com",
    "ssn": "851-11-6711",
    "phonenumber":"728-942-1823",
    "cellnumber":"728-943-1933",
    "createddate":"2023-01-10",
    "active":"true",
    "isprimarypolicyholder": false,
    "policy_id": 45645216,
    "maritalstatus": "single"
}
	Verify that first name with special characters is not acceptable and renders an error	

	Status code 400 received.	

Homework:

Please create remaining test case scenarios with Body and verify if API is behaving as expected.

Test case 4:

API Body	Expected	Actual

Test case 5:

API Body	Expected	Actual

Test case 6:

API Body	Expected	Actual

QA Questions:

One of the main tasks of a QA professional is to ask critical questions. You should ask questions about anything that is missing from the requirements, or not documented. Anything you can think of which might help improve the quality of the API functionality would be a great question.

Below are some of the questions I have for my team. Do you think of any other questions?
1. What should happen if the first name is the same as another driver?
2. What should happen if there is space in between the first name
3. What should the error message say if the first name is not provided?
4. What should the error message say if the first name is not valid?
5. What should the error message say if the first name is greater than 20 characters?