Assignment-1

Course Name: Software Testing and Quality Assurance

Course ID: CSE 4495

Section: A

Group Name: XXX

Group Members:

XXXX(XXXX)

XXXX (XXXX)

Submitted on: XXXX XXXX

* **Abstract Specification Analysis [Member :** XXXX**]**

**API 1: (/student)**

|  |
| --- |
| **Choice 1**  **(List students)** |
| Get list of students |
| Specifications = **1** |

**API 2: (/student/<id>)**

|  |  |
| --- | --- |
| **Choice 1**  **(<Some choice>)** | **Choice 2**  **(<Some other choice>)** |
| V1 (Error)  V2 (! p3true )  V3 ( p3true )  V4 ( p3true )  V5 (Single) | P1 (Single)  P2(Error)  P3 (IF p3true)  P4 (Single)  P5 (Single) |
| Specifications = (5x5)=**25** | |
| Specifications after error/single/if,else = (2(E) + 4(S) + 2(TRUE) + 1(FALSE) )= **9** | |

**Repeat for all API**

* **Chosen Test cases for testing (Postman test report)[Member :** XXXX**]**
* **API 1: (/student)**

**TC1: Specification :XXXXXXX : Show\_student\_list ( Passed /Failed)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Request Type** | **Body** | **URL** | **Assertions** | **Description   (Goal/Purpose)** |
| GET | This request do not have a body | http://127.0.0.1:5000/student | pm.**test**("Status code is 200", **function** () {      pm.response.to.have.status(200);  });  pm.**test**("Response time is less than 50ms", **function** () {      pm.expect(pm.response.responseTime).to.be.below(50);  }); | Goal was to get all students information from the system.  2 assertions tested if the status code is 200 and response time is below 50ms and both passed. |

**Repeat for all APIs and All test cases**