WHEN

The starting conditions of the test. This is the beginning state of the system.

GIVEN

Test Code

Generative Network

Client Requirement

The event that takes place which disrupts the system.

THEN

The result that is expected after the disruption.

VALID

Test Code

INVALID

Test Code

VALID

INVALID

Client Requirement

Language Agnostic Output

Code Generation Module

Client Requirement

NLP Module

Language Agnostic Output

Code Generation Module for Java

Client Requirement

NLP Module

Code Generation Module C++

Code Generation Module Python

Valid

Verification Module

Output of the Code Generation Module

Invalid

Code Verification Module

Valid

Invalid

Output of the Code Generation Module

Code Verification Module

Valid

Invalid

Client Requirement

Language Agnostic Output

Valid Test Case Training Sample

Code Generation Module

Client Requirement Training Sample

NLP Module

Valid

Verification Module

Valid Test Case Training Sample

Invalid

Verification Module

Invalid Test Case Training Sample