Testing Document - System of Grades

1. General Information

Test Case Id: GT-01
Test Case Name: Grades Evaluation Test
Creation Date: 02/27/2025
Created by: Felipe Cantini | Rogério F. Machado
System Version: 1.0

2. Description

This document describes a test case to guarantee the right feedback for each grade related to a student. The code implements the Estudante Class, with the constructor and the getNome(), getNota() and setNota() Methods, also having the AvaliadorDeNotas Class with the calcularNota(Estudante estudante) Method. The usability of the code can be seen by the JFrame SistemaNotas.

3. Objective

The purpose of these tests is to check if the system is capable of giving the right feedback according to the student's grade. The tests will be performed to guarantee that the system's conditions are being correctly reported.

4. Steps of the Test

- Access the system of grade's evaluation.
- Insert system entry information, for example: Grade = 60.
- Check if the system returns the message: "Regular! Nota suficiente.".

5. Test Cases

Test Case	Description	Entry	Expected Result	Obtained Result	Needs Corretion?	Observations
testNotaSuficiente	Verify when the grade is 80.0	aluno1 = new Estudante("João", 80.0)	"Bom trabalho! Continue assim."	"Bom trabalho! Continue assim."	No.	Test is OK!
testNotaSuficiente2	Verify when the grade is 10.0	aluno2 = new Estudante("Jemerson", 10.0)	"Aluno reprovado!!!"	"Aluno reprovado!!!"	No.	Test is OK!
testNotaSuficiente3	Verify when the grade is 40.0	aluno3 = new Estudante("Jobson", 40.0)	"Insuficiente! Estude mais."	"Insuficiente! Estude mais."	No.	Test is OK!
testNotaSuficiente4	Verify when the grade is 95.0	aluno4 = new Estudante("José", 95.0)	"Excelente! Parabéns!!!"	"Excelente! Parabéns!!!"	No.	Test is OK!
testNotaSuficiente5	Verify when the grade is 60.0	aluno5 = new Estudante("Jonas", 60.0)	"Regular! Nota suficiente."	"Regular! Nota suficiente."	No.	Test is OK!
testNotaSuficiente6	Verify when the grade is -1.0	aluno6 = new Estudante("Jonathan", -1.0)	"Erro! Notas irreais."	"Erro! Notas irreais."	No.	Test is OK!
testNotaSuficiente7	Verify when the grade is 101.0	aluno7 = new Estudante("Jackson", 101.0)	"Erro! Notas irreais."	"Erro! Notas irreais."	No.	Test is OK!