Initial Software Test Reports

GB Manufacturing Inventory Management System

Team Members: Alfred Beam, Shelton Adams, and Kenneth Battle

Class: CEIS400 – Week 7 - Group 1

Version: 1.0

Date: February 22, 2025

Revisions

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Author | Description | Date |
| 1.0 | Alfred Beam | Initial Draft | 02/15/2025 |
| 1.1 | Alfred Beam | Added initial test reports | 02/22/2025 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Contents**

[1 Test Report BGIMS\_TR#1A\_V1.0\_17FEB2025\_ABB 4](#_Toc191158713)

[2 Test Report BGIMS\_TR#1B\_V1.0\_17FEB2025\_ABB 6](#_Toc191158714)

[3 Test Report BGIMS\_TR#2A\_V1.0\_20FEB2025\_KB 8](#_Toc191158715)

[4 Test Report BGIMS\_TR#3A\_V1.0\_21FEB2025\_KB 10](#_Toc191158716)

[5 Test Report BGIMS\_TR#4A\_V1.0\_21FEB2025\_KB 12](#_Toc191158717)

# Test Report BGIMS\_TR#1A\_V1.0\_17FEB2025\_ABB

|  |  |
| --- | --- |
| **1. Test Report ID:** | |
| BGIMS\_TR#1A\_V1.0\_17FEB2025\_ABB | |
| **2. Test Case ID:** | |
| BGIMS\_TC#1\_V1.0\_15FEB2025 | |
| **3. Tester** | |
| Alfred Beam | |
| **4. Summary:** | |
| This test was performed to validate the tool class and tool GUI tab for the BG IMS program. It involved adding, deleting, and displaying tool data that was stored in an SQL database. | |
| **5.Assessment:** | |
| When data is entered into all of the fields provided the program will add a tool to the database and display all the tools currently loaded. However, if any of the fields are left blank the program will crash and or hang. | |
| **6. Incident Description** | |
| 1. **Inputs:** | One or more text fields are left blank. |
| 1. **Expected Results:** | The program should add the tool to the database and the empty field(s) should be blank. |
| 1. **Actual Results:** | The program crashes, hangs, or fails to add the tool data to the database. |
| 1. **Unexpected Anomalies:** | Blanks fields cause the program to display a runtime error and lockup. |
| 1. **Other Information:** | Any blank field will cause this error. You can have more than one blank field, and the program still hangs up. |
| **7. Impact** | |
| 1. **Severity:** | This type of defect will crash the program and is a major design flaw. |
| 1. **Priority:** | This defect needs to be corrected immediately before future development can proceed. |
| **8. Image(s):** | |
| A screenshot of a computer  AI-generated content may be incorrect. | |

# Test Report BGIMS\_TR#1B\_V1.0\_17FEB2025\_ABB

|  |  |
| --- | --- |
| **1. Test Report ID:** | |
| BGIMS\_TR#1B\_V1.0\_17FEB2025\_ABB | |
| **2. Test Case ID:** | |
| BGIMS\_TC#1\_V1.0\_15FEB2025 | |
| **3. Tester** | |
| Alfred Beam | |
| **4. Summary:** | |
| This test was performed to validate the tool class and tool GUI tab for the BG IMS program. It involved adding, deleting, and displaying tool data that was stored in an SQL database. | |
| **5.Assessment:** | |
| When data is entered into all of the fields provided the program will add a tool to the database and display all the tools currently loaded. However, if the Tool Value field, which is expecting a double value has letters entered the program will crash. | |
| **6. Incident Description** | |
| 1. **Inputs:** | The Tool Value field has any text characters entered instead of a decimal number. |
| 1. **Expected Results:** | The program should add the tool to the database and the empty field(s) should be blank. |
| 1. **Actual Results:** | The program crashes, hangs, or fails to add the tool data to the database. |
| 1. **Unexpected Anomalies:** | Text in the Tool Value field causes the program to display a runtime error and lockup. |
| 1. **Other Information:** | Any number of letters in the value field will cause the error. |

|  |  |
| --- | --- |
| **7. Impact** | |
| 1. **Severity:** | This type of defect will crash the program and is a major defect in the design. |
| 1. **Priority:** | This defect needs to be corrected immediately before future development can proceed. |
| **8. Image:** | |
| A screenshot of a computer  AI-generated content may be incorrect. | |

# Test Report BGIMS\_TR#2A\_V1.0\_20FEB2025\_KB

|  |  |
| --- | --- |
| **1. Test Report ID:** | |
| BGIMS\_TR#2A\_V1.0\_20FEB2025\_KB | |
| **2. Test Case ID:** | |
| BGIMS\_TC#2\_V1.0\_16FEB2025 | |
| **3. Tester** | |
| Kenneth Battle | |
| **4. Summary:** | |
| This test was performed to validate that the system will allow employees with the appropriate access level to add, display, and delete materials to and from the BG IMS SQL database. | |
| **5.Assessment:** | |
| When data is entered into the material fields, and the “add material” button is pressed, the system will correctly add the new material to the SQL database. When the “Display Material” button is pressed the system will display all materials that are currently loaded into the database. However, if any of the fields are left blank when the “Add Material” button is pressed the program will crash as it cannot handle a null data field. | |
| **6. Incident Description** | |
| 1. **Inputs:** | Any text fields are left blank. |
| 1. **Expected Results:** | The program should add the material to the database and the empty field(s) should have a null value in the SQL database. |
| 1. **Actual Results:** | The program hangs and fails to add the material to the database. |
| 1. **Unexpected Anomalies:** | Blank fields cause the program to display a runtime error and cause the software to stop working properly. |
| 1. **Other Information:** | Any blank field will cause this error. |

|  |  |
| --- | --- |
| **7. Impact** | |
| 1. **Severity:** | This is a major defect and will crash the program. |
| 1. **Priority:** | This defect needs to be corrected immediately before future development can proceed. |
| **8. Image:** | |
| A screenshot of a computer  AI-generated content may be incorrect. | |

# Test Report BGIMS\_TR#3A\_V1.0\_21FEB2025\_KB

|  |  |
| --- | --- |
| **1. Test Report ID:** | |
| BGIMS\_TR#3A\_V1.0\_21FEB2025\_KB | |
| **2. Test Case ID:** | |
| BGIMS\_TC#3\_V1.0\_16FEB2025 | |
| **3. Tester** | |
| Kenneth Battle | |
| **4. Summary:** | |
| This test was performed to validate that the system will allow employees with the appropriate access level to add, display, and delete employees to and from the IMS. | |
| **5.Assessment:** | |
| When data is entered into all of the fields provided the program will add the employee to the database and display all the employees currently in the database after clicking “Display Employees”. However, if any of the fields are left blank the program will crash. | |
| **6. Incident Description** | |
| 1. **Inputs:** | Any text fields are left blank. |
| 1. **Expected Results:** | The program should add the employee to the database and the empty field(s) should be blank. |
| 1. **Actual Results:** | The program hangs and fails to add the employee to the database. |
| 1. **Unexpected Anomalies:** | Blank fields cause the program to display a runtime error and cause the software to stop working properly. |
| 1. **Other Information:** | Any blank field will cause this error. There cannot be any blank fields, or the program will stop working properly. |

|  |  |
| --- | --- |
| **7. Impact** | |
| 1. **Severity:** | This type of defect will crash the program and is a major defect in the design. |
| 1. **Priority:** | This defect needs to be corrected immediately before future development can proceed. |
| **8. Image:** | |
| **A screenshot of a computer  AI-generated content may be incorrect.** | |

# Test Report BGIMS\_TR#4A\_V1.0\_21FEB2025\_KB

|  |  |
| --- | --- |
| **1. Test Report ID:** | |
| BGIMS\_TR#4A\_V1.0\_21FEB2025\_KB | |
| **2. Test Case ID:** | |
| BGIMS\_TC#4\_V1.0\_16FEB2025 | |
| **3. Tester** | |
| Kenneth Battle | |
| **4. Summary:** | |
| This test was performed to validate that the system will verify an employee’s login credentials before allowing them access to the IMS and allow a successful log out. | |
| **5.Assessment:** | |
| When data is entered into the User ID and Password slots, the system verifies that the credentials entered are correct and then grant access to the use into the IMS. | |
| **6. Incident Description** | |
| 1. **Inputs:** | Employee User ID and Password. |
| 1. **Expected Results:** | The program should check credentials, and if correct, allow the user to login to the IMS. Then, allow a successful logout. |
| 1. **Actual Results:** | The program displays a message that implies successful login but displays a “Not Complete” message upon logout. |
| 1. **Unexpected Anomalies:** | If the employee hire date is not entered in the correct format the employee will not be able to log in. |
| 1. **Other Information:** | Entering the wrong credentials or no credentials at all, the system will display a “Login failed” message. |
| **7. Impact** | |
| 1. **Severity:** | This type of defect will not crash the program, but it is a major flaw in the program. |
| 1. **Priority:** | This defect needs to be corrected before future development can proceed. |

|  |
| --- |
| **8. Image(s):** |
| **A screenshot of a computer  AI-generated content may be incorrect.** |

|  |
| --- |
| A screenshot of a computer  AI-generated content may be incorrect. |