It is assumed the “Process Request” button is pressed for all but the last. Screenshots begin on page 3.

|  |  |  |  |  |  |  |  |  |
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| **CMIS242 Project 4 Matrix** | | | | | | | | |
| **Step** | **Selection** | **ID** | **Name** | **Major** | **Exit** | **GPA** | **Credits** | **Message** |
| **Scenario 1: Non-Integer ID** | | | | | | | | |
| 1 | Find |  |  |  |  |  |  | ID field is empty.  Please enter a valid ID. |
| **Scenario 2: Non-Integer ID** | | | | | | | | |
| 2 | Find | a |  |  |  |  |  | Invalid Id.  ID must be an integer. |
| **Scenario 3: ID Not Found** | | | | | | | | |
| 3 | Find | 1234 |  |  |  |  |  | ID 1234 not found in database. |
| **Scenario 4: ID Already Exists** | | | | | | | | |
| 4 | Insert | 3242 |  |  |  |  |  | ID 3242 already exists in database. |
| **Scenario 5: Insert Student Record** | | | | | | | | |
| 5 | Insert | 1234 |  |  |  |  |  | Name is required for Student Record.  Major is required for Student Record. |
| 6 | Insert | 1234 | Joe Snuffy |  |  |  |  | Major is required for Student Record. |
| 7 | Insert | 1234 |  | Mathematics |  |  |  | Name is required for Student Record. |
| 8 | Insert | 1234 | Joe Snuffy | Mathematics |  |  |  | Added New Record  ID: 1234  Name: Joe Snuffy  Major: Mathematics  GPA: 4.0 |
| **Scenario 6: Delete Student Record** | | | | | | | | |
| 9 | Delete | 7623 |  |  |  |  |  | Delete record for Student ID 7623?  Record for Student ID 7623 was deleted. |
| **Scenario 7: Update Student Records** | | | | | | | | |
| 10.1 | Update | 7321 |  |  |  | 0.0 | 0 | Select Grade: A |
| 10.2 |  |  |  |  |  |  |  | Select Credits: 3 |
| 10.3 |  |  |  |  |  | 4.0 | 3 | ID: 7321  Name: Betty Booth  Major: Computer Science  GPA: 4.00 |
| 11.1 | Update | 9823 |  |  |  | 0.0 | 0 | Select Grade: D |
| 11.2 |  |  |  |  |  |  |  | Select Credits: 4 |
| 11.3 |  |  |  |  |  | 1.0 | 4 | ID: 9823  Name: Oscar Blu  Major: English  GPA: 1.00 |
| 12.1 | Update | 9823 |  |  |  | 1.0 | 4 | Select Grade: C |
| 12.2 |  |  |  |  |  |  |  | Select Credits: 3 |
| 12.3 |  |  |  |  |  | 1.43 | 7 | ID: 9823  Name: Oscar Blu  Major: English  GPA: 1.43 |
| 13.1 | Update | 7321 |  |  |  | 4.0 | 3 | Select Grade: B |
| 13.2 |  |  |  |  |  |  |  | Select Credits: 5 |
| 13.3 |  |  |  |  |  |  |  | ID: 7321  Name: Betty Booth  Major: Computer Science  GPA: 3.38 |
| 14 |  |  |  |  | X |  |  | [See Screenshot for Console Output] |

Screenshots start on next page.

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| 1 | 2 | 3 |
|  |  |  |
| 4 | 5 | 6 |
|  |  |  |
| 7 | 8 | 9.1 |
|  |  |  |
| 9.2 | 10.1 | 10.2 |
|  |  |  |
| 10.3 | 11.1 | 11.2 |
|  |  |  |
| 11.3 | 12.1 | 12.2 |
|  |  |  |
| 12.3 | 13.1 | 13.2 |
|  |  |  |
| 13.3 | 14 | |
|  |  | |