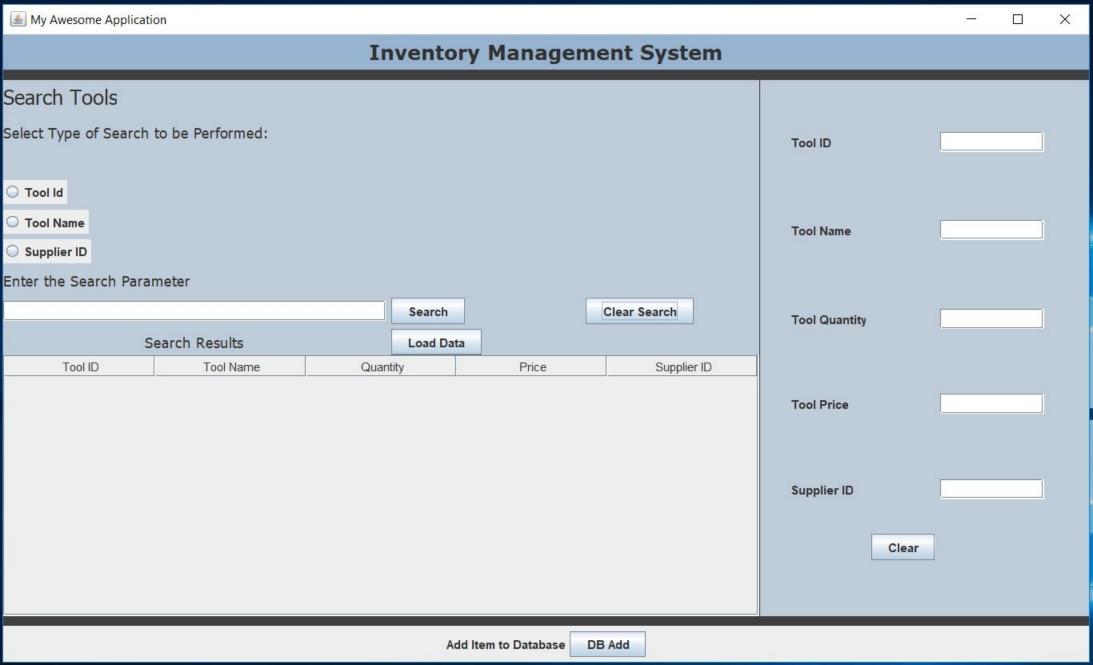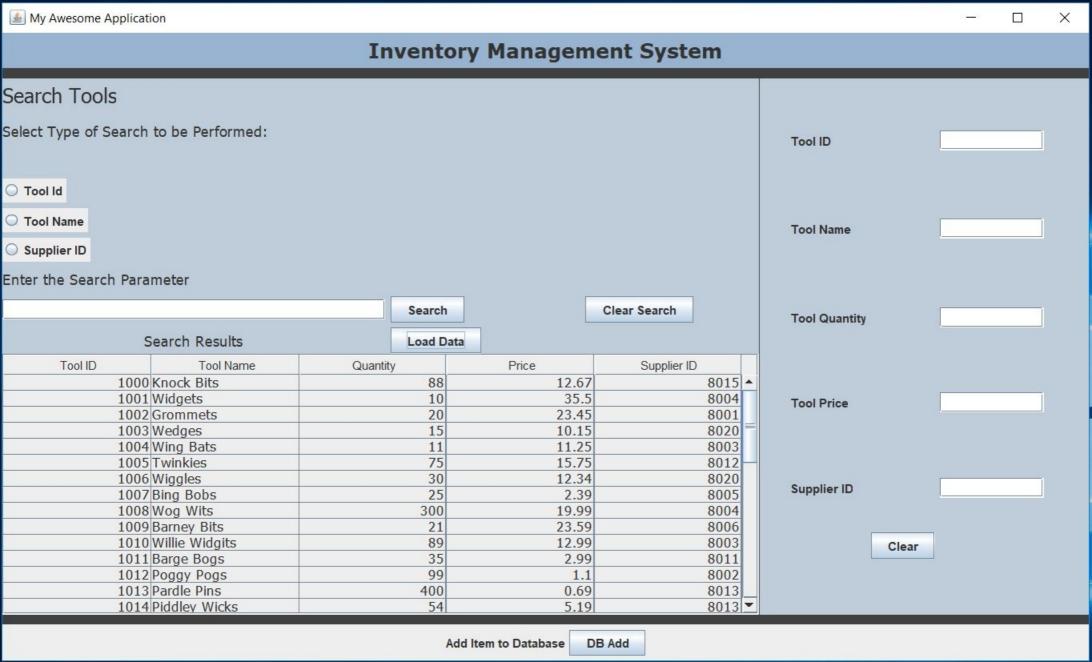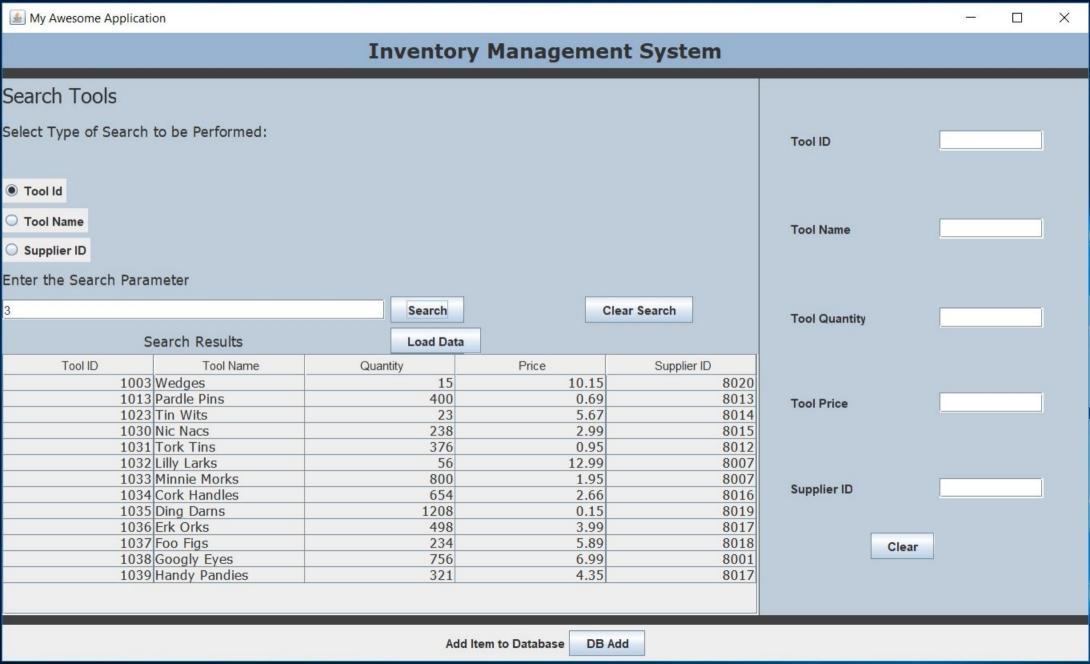Some Notes About the "My Awesome Program" program:

1- First an empty database should be created, named inventorydb, with no tables
2- By pressing load Button, Data records from the Data Base are fetched and displayed in the Table
3- Clear Search Button, removes the displayed records, without changing database records and deselects the radio buttons
4- Search button is coupled with a simple Regular Expression: This helps to find all the possible records that contain the searched text.
5- One of the radio buttons need to be selected for the appropriate field to search for.
6- Add button simultaneously adds the record to the displayed table and the database, which eliminates the extra step of fetching the new record from the database. If clear is clicked and load is pressed to load the data again(Which gets the data from database) the new record will be shown successfully.
7- Clear button clears the text fields and make it ready for the next item to be added
8- *The GUI initial design has multiple panels and it was too late to configure it, hence the button location of the DB Add is not the best.*

Inventory Management System

Search Tools

Select Type of Search to be Performed:

○ Tool Id

○ Tool Name

○ Supplier ID

Enter the Search Parameter

[   ] **Search**   **Clear Search**

Load Data

Search Results

Tool ID	Tool Name	Quantity	Price	Supplier ID

Tool ID [   ]

Tool Name [   ]

Tool Quantity [   ]

Tool Price [   ]

Supplier ID [   ]

Clear

Add Item to Database **DB Add**

Inventory Management System

Search Tools

Select Type of Search to be Performed:

- ○ Tool Id
- ○ Tool Name
- ○ Supplier ID

Enter the Search Parameter

[   ] [Search]   [Clear Search]

Search Results   [Load Data]

Tool ID	Tool Name	Quantity	Price	Supplier ID
1000	Knock Bits	88	12.67	8015
1001	Widgets	10	35.5	8004
1002	Grommets	20	23.45	8001
1003	Wedges	15	10.15	8020
1004	Wing Bats	11	11.25	8003
1005	Twinkies	75	15.75	8012
1006	Wiggles	30	12.34	8020
1007	Bing Bobs	25	2.39	8005
1008	Wog Wits	300	19.99	8004
1009	Barney Bits	21	23.59	8006
1010	Willie Widgits	89	12.99	8003
1011	Barge Bogs	35	2.99	8011
1012	Poggy Pogs	99	1.1	8002
1013	Pardle Pins	400	0.69	8013
1014	Piddley Wicks	54	5.19	8013

Tool ID   [   ]

Tool Name   [   ]

Tool Quantity [   ]

Tool Price   [   ]

Supplier ID   [   ]

[Clear]

Add Item to Database   [DB Add]

Inventory Management System

Search Tools

Select Type of Search to be Performed:

- ◉ Tool Id
- ○ Tool Name
- ○ Supplier ID

Enter the Search Parameter

3

[Search]   [Clear Search]

[Load Data]

Search Results

Tool ID	Tool Name	Quantity	Price	Supplier ID
1003	Wedges	15	10.15	8020
1013	Pardle Pins	400	0.69	8013
1023	Tin Wits	23	5.67	8014
1030	Nic Nacs	238	2.99	8015
1031	Tork Tins	376	0.95	8012
1032	Lilly Larks	56	12.99	8007
1033	Minnie Morks	800	1.95	8007
1034	Cork Handles	654	2.66	8016
1035	Ding Darns	1208	0.15	8019
1036	Erk Orks	498	3.99	8017
1037	Foo Figs	234	5.89	8018
1038	Googly Eyes	756	6.99	8001
1039	Handy Pandies	321	4.35	8017

Tool ID

Tool Name

Tool Quantity

Tool Price

Supplier ID

[Clear]

Add Item to Database   [DB Add]

My Awesome Application

Inventory Management System

Search Tools

Select Type of Search to be Performed:

○ Tool Id

◉ Tool Name

○ Supplier ID

Enter the Search Parameter

| bar | | **Search** | | **Clear Search** |

Load Data

Search Results

Tool ID	Tool Name	Quantity	Price	Supplier ID
1009	Barney Bits	21	23.59	8006
1011	Barge Bogs	35	2.99	8011
1026	Barn Bins	45	88.67	8006

Tool ID

Tool Name

Tool Quantity

Tool Price

Supplier ID

Clear

Add Item to Database **DB Add**

My Awesome Application

Inventory Management System

Search Tools

Select Type of Search to be Performed:

○ Tool Id

○ Tool Name

◉ Supplier ID

Enter the Search Parameter

| 14 | | | **Search** | | **Clear Search** |

Search Results   **Load Data**

Tool ID	Tool Name	Quantity	Price	Supplier ID
1022	Tic Tocs	87	1.36	8014
1023	Tin Wits	23	5.67	8014

Tool ID

Tool Name

Tool Quantity

Tool Price

Supplier ID

Clear

Add Item to Database   **DB Add**

My Awesome Application

Inventory Management System

Search Tools

Select Type of Search to be Performed:

- ◯ Tool Id
- ◯ Tool Name
- ◯ Supplier ID

Enter the Search Parameter

| | **Search** | | **Clear Search** |

| Search Results | **Load Data** |

Tool ID	Tool Name	Quantity	Price	Supplier ID

Tool ID

Tool Name

Tool Quantity

Tool Price

Supplier ID

Clear

Add Item to Database   **DB Add**

Inventory Management System

Search Tools

Select Type of Search to be Performed:

- ◯ **Tool Id**
- ◯ **Tool Name**
- ◯ **Supplier ID**

Enter the Search Parameter

[_____] [Search]   [Clear Search]

Search Results   [Load Data]

Tool ID	Tool Name	Quantity	Price	Supplier ID
1028	Pong Pangs	2345	0.1	8002
1029	Oof Tongs	345	8.49	8011
1030	Nic Nacs	238	2.99	8015
1031	Tork Tins	376	0.95	8012
1032	Lilly Larks	56	12.99	8007
1033	Minnie Morks	800	1.95	8007
1034	Cork Handles	654	2.66	8016
1035	Ding Darns	1208	0.15	8019
1036	Erk Orks	498	3.99	8017
1037	Foo Figs	234	5.89	8018
1038	Googly Eyes	756	6.99	8001
1039	Handy Pandies	321	4.35	8017
1040	Inny Outies	219	3.45	8010
1041	Golabi	12	5.75	9999
1042	KITKAT	53	2.54	6171

Tool ID [1042]

Tool Name [KITKAT]

Tool Quantity [53]

Tool Price [2.54]

Supplier ID [6171]

[Clear]

Add Item to Database [DB Add]

My Awesome Application

My Awesome Application

Inventory Management System

Search Tools

Select Type of Search to be Performed:

- ◯ Tool Id
- ◯ Tool Name
- ◯ Supplier ID

Enter the Search Parameter

| | [Search] | | [Clear Search] |

Search Results

[Load Data]

Tool ID	Tool Name	Quantity	Price	Supplier ID
1042	KITKAT	53	2.54	6171

Tool ID 1042

Tool Name KITKAT

Tool Quantity 53

Tool Price 2.54

Supplier ID 6171

[Clear]

Add Item to Database [DB Add]

My Awesome Application

Inventory Management System

Search Tools

Select Type of Search to be Performed:

- ◯ Tool Id
- ◯ Tool Name
- ◯ Supplier ID

Enter the Search Parameter

| [   ] | Search | | Clear Search |

Search Results

| [Load Data] |

Tool ID	Tool Name	Quantity	Price	Supplier ID
1028	Pong Pangs	2345	0.1	8002
1029	Oof Tongs	345	8.49	8011
1030	Nic Nacs	238	2.99	8015
1031	Tork Tins	376	0.95	8012
1032	Lilly Larks	56	12.99	8007
1033	Minnie Morks	800	1.95	8007
1034	Cork Handles	654	2.66	8016
1035	Ding Darns	1208	0.15	8019
1036	Erk Orks	498	3.99	8017
1037	Foo Figs	234	5.89	8018
1038	Googly Eyes	756	6.99	8001
1039	Handy Pandies	321	4.35	8017
1040	Inny Outies	219	3.45	8010
1041	Golabi	12	5.75	9999
1042	KITKAT	53	2.54	6171

Tool ID [1042]

Tool Name [KITKAT]

Tool Quantity [53]

Tool Price [2.54]

Supplier ID [6171]

[Clear]

Add Item to Database [DB Add]

My Awesome Application

Inventory Management System

Search Tools

Select Type of Search to be Performed:

◯ Tool Id

◯ Tool Name

◯ Supplier ID

Enter the Search Parameter

[ ] **Search**   **Clear Search**

Search Results   **Load Data**

Tool ID	Tool Name ▲	Quantity	Price	Supplier ID
1011	Barge Bogs	35	2.99	8011
1026	Barn Bins	45	88.67	8006
1009	Barney Bits	21	23.59	8006
1007	Bing Bobs	25	2.39	8005
1034	Cork Handles	654	2.66	8016
1016	Crank Cribs	888	0.29	8005
1035	Ding Darns	1208	0.15	8019
1036	Erk Orks	498	3.99	8017
1027	Flap Wrappers	89	44.88	8009
1025	Fling Flobs	254	2.33	8009
1037	Foo Figs	234	5.89	8018
1041	Golabi	12	5.75	9999
1038	Googly Eyes	756	6.99	8001
1002	Grommets	20	23.45	8001
1039	Handy Pandies	321	4.35	8017
1015	Iggy Orks	22	49.95	8010
1040	Inny Outies	219	3.45	8010
1042	KITKAT	53	2.54	6171
1020	Knit Piks	66	6.75	8015

Tool ID [ ]

Tool Name [ ]

Tool Quantity [ ]

Tool Price [ ]

Supplier ID [ ]

Clear

Add Item to Database   **DB Add**