

User's Guide V2.1
Database for a Hypothetical Recording Studio
By Tony Matts

Visit: <http://web-dev.cs.umt.edu/~am154932/studioDbInterface.html> ~ *link no longer active*.

Below are a list of eleven functions, some affecting multiples tables, along with actual data from the database. The available functions allow the user to:

- Insert an album.
- Insert an engineer.
- Delete a record company.
- Delete a producer.
- Update album's record company (update rows 2 - 10).
- Update software version.
- List All Musicians and their Producer.
- List All Albums and Record Company Info.
- List Studio Techs and the Albums they've worked on.
- List Producers and the Groups they've produced.
- List all Guitars made by (Gibson knock-off brand) "Gibbons".

Insert Functions

File - insertAlbum.php

```
MASTER_COPY_A
AlbumCode Title RcName
(1,'Beastmaster','Nates'),
(2,'Choppin','Nates'),
(3,'Surfing','Laceys'),
(4,'Roku','Nates'),
(5,'Squareone','Bens'),
(6,'Spaceship','Bens'),
(7,'Orange','Nates'),
(8,'Banned','Laceys'),
(9,'Founded','Bens'),
(10,'Knocking','Laceys');
```

MASTER_COPY_B

AlbumCode Crew

(1,'Crow'),
(1,'Joel'),
(1,'Tom'),
(2,'Crow'),
(3,'Doc'),
(3,'Gypsy'),
(4,'Joel'),
(4,'Mike'),
(5,'Tom'),
(6,'Frank'),
(7,'Marcus'),
(8,'Shaw'),
(9,'Mike'),
(10,'Pearl');

File - insertEng.php

ENGINEER_A

EngNum EngName NumOfAlbums

(1,'Tony',3),
(2,'Andrew',4),
(3,'Marcus',2),
(4,'Shawn',3),
(5,'Neil',7),
(6,'Troy',6),
(7,'Don',6),
(8,'Shaw',6),
(9,'Harold',9),
(10,'David',8);

ENGINEER_B

EngNum Degree

(1,'Electronics'),
(2,'Electronics'),
(3,'CS'),
(5,'Math'),
(7,'CS'),
(7,'Math'),
(8,'CS'),
(9,'Math');

Delete Functions

File - deleteRecordCo.php

```
RECORD_CO
RcName Rate Balance
('Bens',50,0),
('Laceys',60,0),
('Nates',45,0),
('Ninos',60,0),
('Woodys',45,10);
```

File - deleteProd.php

```
PRODUCER
Pnum ActiveSince Pname
(1,'2000','Peggy'),
(2,'2002','Alan'),
(3,'2001','Josiah'),
(4,'1999','Brian'),
(5,'2006','Fred');
```

Update Functions

File - updateMaster.php

```
MASTER_COPY_A
AlbumCode Title RcName
(1,'Beastmaster','Nates'),
(2,'Choppin','Nates'),
(3,'Surfing','Laceys'),
(4,'Roku','Nates'),
(5,'Squareone','Bens'),
(6,'Spaceship','Bens'),
(7,'Orange','Nates'),
(8,'Banned','Laceys'),
(9,'Founded','Bens'),
(10,'Knocking','Laceys');
```

```
MASTER_COPY_B
AlbumCode Crew
(1,'Crow'),
(1,'Joel'),
(1,'Tom'),
(2,'Crow'),
(3,'Doc'),
(3,'Gypsy'),
(4,'Joel'),
(4,'Mike'),
(5,'Tom'),
(6,'Frank'),
(7,'Marcus'),
(8,'Shaw'),
(9,'Mike'),
(10,'Pearl');
```

File - updateSoftware.php

```
RECORDING_MACHINE_A
Rserial Os
('1','linux'),
('2','osx'),
('3','win')
('4','mpc'),
('5','tape');
```

```
RECORDING_MACHINE_B
Rserial Software Version
('1','Reason','3'),
('1','Recorder','5'),
('2','GarageBand','4'),
('2','Pro Tools','3.9'),
('2','Reason','3'),
('3','Pro Tools','3.9');
```

Join Functions

No Table Info Required. These functions use SELECT and JOIN statements, producing table results upon hitting their respective "Submit" button.

File - showMandP.php

File - showAandRC.php

File - showNumAndC.php

File - showPandG.php

File - listGibbons.php