

# Justin Roderick

## Project 4 Commands

### Root User Commands

#### Command 1

Root Dashboard

Logout

SQL Command

```
from shipments
where shipments.snum = suppliers.snum
and shipments.pnum = parts.pnum
)
);
```

Execute Command

Reset Form

Clear Results

snum	sname
S6	Nicola Gianniberti

#### Command 2A

Root Dashboard

Logout

SQL Command

```
select *
from suppliers;
```

Execute Command

Reset Form

Clear Results

snum	sname	status	city
S1	Michael Schumacher	1	Berlin
S10	David Coulthard	2	London
S11	Bernard Hinault	7	Paris
S12	Eddy Merckx	1	Brussels
S13	Candice Swanepoel	3	Cape Town
S14	Adriana Lima	4	Sao Paulo
S15	Jennifer Lawrence	6	Owensboro
S16	Fernando Alonso	4	Madrid
S17	Rubens Barichello	3	Sao Paulo
S18	Tom Boonen	2	Brussels
S19	Johan Messeuw	1	Eekloo
S2	Juan Pablo Montoya	4	Interlagos
S20	Danilo Rossi	2	Milan
S21	Lizzie Armistead	1	Hempstead
S22	Jan Ullrich	5	Bonn
S3	Dietrich Thurau	1	Berlin
S32	Bernd Schnieder	2	Berlin
S33	Rolf Aldag	3	Berlin
S4	Mark Webber	5	Melbourne
S44	Beryl Burton	4	London
S5	Jenson Button	4	London
S56	Marianne Vos	8	Zandvoort
S6	Nicola Gianniberti	2	Milan
S7	Christian Albers	3	Orlando

# Command 2B

Root Dashboard

Logout

SQL Command

```
insert into shipments
values ('S5', 'P6', 'J6', 400);
```

Execute Command

Reset Form

Clear Results

Command executed successfully. Rows affected:

# Command 2C

Root Dashboard

Logout

SQL Command

```
select *
from suppliers;
```

Execute Command

Reset Form

Clear Results

snum	sname	status	city
S1	Michael Schumacher	1	Berlin
S10	David Coulthard	2	London
S11	Bernard Hinault	7	Paris
S12	Eddy Merckx	1	Brussels
S13	Candice Swanepoel	3	Cape Town
S14	Adriana Lima	4	Sao Paulo
S15	Jennifer Lawrence	6	Owensboro
S16	Fernando Alonso	4	Madrid
S17	Rubens Barichello	3	Sao Paulo
S18	Tom Boonen	2	Brussels
S19	Johan Messeuw	1	Eekloo
S2	Juan Pablo Montoya	4	Interlagos
S20	Danilo Rossi	2	Milan
S21	Lizzie Armistead	1	Hempstead
S22	Jan Ullrich	5	Bonn
S3	Dietrich Thurau	1	Berlin
S32	Bernd Schnieder	2	Berlin
S33	Rolf Aldag	3	Berlin
S4	Mark Webber	5	Melbourne
S44	Beryl Burton	4	London
S5	Jenson Button	4	London
S56	Marianne Vos	8	Zandvoort
S6	Nicola Gianniberti	2	Milan
S7	Christian Albers	3	Orlando

# Command 3A

Root Dashboard

Logout

SQL Command

```
select *
from suppliers;
```

Execute Command

Reset Form

Clear Results

snum	sname	status	city
S1	Michael Schumacher	1	Berlin
S10	David Coulthard	2	London
S11	Bernard Hinault	7	Paris
S12	Eddy Merckx	1	Brussels
S13	Candice Swanepoel	3	Cape Town
S14	Adriana Lima	4	Sao Paulo
S15	Jennifer Lawrence	6	Owensboro
S16	Fernando Alonso	4	Madrid
S17	Rubens Barichello	3	Sao Paulo
S18	Tom Boonen	2	Brussels
S19	Johan Messeuw	1	Eekloo
S2	Juan Pablo Montoya	4	Interlagos
S20	Danilo Rossi	2	Milan
S21	Lizzie Armistead	1	Hempstead
S22	Jan Ullrich	5	Bonn
S3	Dietrich Thurau	1	Berlin
S32	Bernd Schnieder	2	Berlin
S33	Rolf Aldag	3	Berlin
S4	Mark Webber	5	Melbourne
S44	Beryl Burton	4	London
S5	Jenson Button	4	London
S56	Marianne Vos	8	Zandvoort
S6	Nicola Gianniberti	2	Milan
S7	Christian Albers	3	Orlando

# Command 3B

Root Dashboard

Logout

SQL Command

```
insert into suppliers
values ('S39','Candice Swanepoel',10,'Cardiff');
```

Execute Command

Reset Form

Clear Results

Command executed successfully. Rows affected:

# Command 3C

Root Dashboard

Logout

SQL Command

```
select *
from suppliers;
```

Execute Command

Reset Form

Clear Results

snum	sname	status	city
S1	Michael Schumacher	1	Berlin
S10	David Coulthard	2	London
S11	Bernard Hinault	7	Paris
S12	Eddy Merckx	1	Brussels
S13	Candice Swanepoel	3	Cape Town
S14	Adriana Lima	4	Sao Paulo
S15	Jennifer Lawrence	6	Owensboro
S16	Fernando Alonso	4	Madrid
S17	Rubens Barichello	3	Sao Paulo
S18	Tom Boonen	2	Brussels
S19	Johan Messeuw	1	Eekloo
S2	Juan Pablo Montoya	4	Interlagos
S20	Danilo Rossi	2	Milan
S21	Lizzie Armistead	1	Hempstead
S22	Jan Ullrich	5	Bonn
S3	Dietrich Thurau	1	Berlin
S32	Bernd Schnieder	2	Berlin
S33	Rolf Aldag	3	Berlin
S39	Candice Swanepoel	10	Cardiff
S4	Mark Webber	5	Melbourne
S44	Beryl Burton	4	London
S5	Jenson Button	4	London
S56	Marianne Vos	8	Zandvoort
S6	Nicola Gianniberti	2	Milan

# Command 3D

Root Dashboard

Logout

SQL Command

```
insert into shipments
values ('S39','P3','J1', 20);
```

Execute Command

Reset Form

Clear Results

Command executed successfully. Rows affected:

## Command 3E

Root Dashboard

Logout

SQL Command

```
select *  
from suppliers;
```

Execute Command

Reset Form

Clear Results

snum	sname	status	city
S1	Michael Schumacher	1	Berlin
S10	David Coulthard	2	London
S11	Bernard Hinault	7	Paris
S12	Eddy Merckx	1	Brussels
S13	Candice Swanepoel	3	Cape Town
S14	Adriana Lima	4	Sao Paulo
S15	Jennifer Lawrence	6	Owensboro
S16	Fernando Alonso	4	Madrid
S17	Rubens Barichello	3	Sao Paulo
S18	Tom Boonen	2	Brussels
S19	Johan Messeuw	1	Eekloo
S2	Juan Pablo Montoya	4	Interlagos
S20	Danilo Rossi	2	Milan
S21	Lizzie Armistead	1	Hempstead
S22	Jan Ullrich	5	Bonn
S3	Dietrich Thurau	1	Berlin
S32	Bernd Schnieder	2	Berlin
S33	Rolf Aldag	3	Berlin
S39	Candice Swanepoel	10	Cardiff
S4	Mark Webber	5	Melbourne
S44	Beryl Burton	4	London
S5	Jenson Button	4	London
S56	Marianne Vos	8	Zandvoort
S6	Nicola Pietrangeli	2	Milan

## Command 4

Root Dashboard

Logout

SQL Command

```
and shipments.pnum = parts.pnum  
and shipments.jnum = jobs.jnum  
)  
)  
);
```

Execute Command

Reset Form

Clear Results

snum	sname	pnum
S1	Michael Schumacher	P8

## Command 5A

Root Dashboard

Logout

SQL Command

```
select *  
from suppliers;
```

Execute Command

Reset Form

Clear Results

snum	sname	status	city
S1	Michael Schumacher	1	Berlin
S10	David Coulthard	2	London
S11	Bernard Hinault	7	Paris
S12	Eddy Merckx	1	Brussels
S13	Candice Swanepoel	3	Cape Town
S14	Adriana Lima	4	Sao Paulo
S15	Jennifer Lawrence	6	Owensboro
S16	Fernando Alonso	4	Madrid
S17	Rubens Barichello	3	Sao Paulo
S18	Tom Boonen	2	Brussels
S19	Johan Messeuw	1	Eekloo
S2	Juan Pablo Montoya	4	Interlagos
S20	Danilo Rossi	2	Milan
S21	Lizzie Armistead	1	Hempstead
S22	Jan Ullrich	5	Bonn
S3	Dietrich Thurau	1	Berlin
S32	Bernd Schnieder	2	Berlin
S33	Rolf Aldag	3	Berlin
S39	Candice Swanepoel	10	Cardiff
S4	Mark Webber	5	Melbourne
S44	Beryl Burton	4	London
S5	Jenson Button	4	London
S56	Marianne Vos	8	Zandvoort
S6	Nicola Gianniberti	2	Milan

# Command 5B

Root Dashboard

Logout

SQL Command

```
select *
from shipments;
```

Execute Command

Reset Form

Clear Results

snum	pnum	jnum	quantity
S1	P1	J1	40
S1	P1	J4	200
S1	P19	J13	200
S1	P3	J13	95
S1	P33	J5	40
S1	P8	J1	80
S1	P8	J13	200
S1	P8	J2	100
S1	P8	J22	340
S1	P8	J3	200
S1	P8	J4	100
S1	P8	J5	225
S1	P8	J6	230
S12	P3	J22	750
S17	P3	J2	800
S2	P3	J1	40
S2	P3	J2	15
S2	P3	J22	50
S2	P3	J3	20
S2	P3	J4	50
S2	P3	J5	91
S2	P4	J1	50
S21	P2	J4	200
S22	P1	J3	120

# Command 5C

Root Dashboard

Logout

SQL Command

```
update shipments
set quantity = quantity + 10
where pnum = 'P3';
```

Execute Command

Reset Form

Clear Results

Command executed successfully. Rows affected:

# Command 5D

Root Dashboard

Logout

SQL Command

```
select *
from shipments;
```

Execute Command

Reset Form

Clear Results

snum	pnum	jnum	quantity
S1	P1	J1	40
S1	P1	J4	200
S1	P19	J13	200
S1	P3	J13	105
S1	P33	J5	40
S1	P8	J1	80
S1	P8	J13	200
S1	P8	J2	100
S1	P8	J22	340
S1	P8	J3	200
S1	P8	J4	100
S1	P8	J5	225
S1	P8	J6	230
S12	P3	J22	760
S17	P3	J2	810
S2	P3	J1	50
S2	P3	J2	25
S2	P3	J22	60
S2	P3	J3	30
S2	P3	J4	60
S2	P3	J5	101
S2	P4	J1	50
S21	P2	J4	200
S22	P1	J3	120

# Command 5E

Root Dashboard

Logout

SQL Command

```
select *
from suppliers;
```

Execute Command

Reset Form

Clear Results

snum	sname	status	city
S1	Michael Schumacher	1	Berlin
S10	David Coulthard	2	London
S11	Bernard Hinault	7	Paris
S12	Eddy Merckx	1	Brussels
S13	Candice Swanepoel	3	Cape Town
S14	Adriana Lima	4	Sao Paulo
S15	Jennifer Lawrence	6	Owensboro
S16	Fernando Alonso	4	Madrid
S17	Rubens Barichello	3	Sao Paulo
S18	Tom Boonen	2	Brussels
S19	Johan Messeuw	1	Eekloo
S2	Juan Pablo Montoya	4	Interlagos
S20	Danilo Rossi	2	Milan
S21	Lizzie Armistead	1	Hempstead
S22	Jan Ullrich	5	Bonn
S3	Dietrich Thurau	1	Berlin
S32	Bernd Schnieder	2	Berlin
S33	Rolf Aldag	3	Berlin
S39	Candice Swanepoel	10	Cardiff
S4	Mark Webber	5	Melbourne
S44	Beryl Burton	4	London
S5	Jenson Button	4	London
S56	Marianne Vos	8	Zandvoort
S6	Nicola Gianniberti	2	Milan



## Command 6

Root Dashboard

Logout

SQL Command

```
from parts
where color <>
'green'
)
);
```

Execute Command

Reset Form

Clear Results

sname

Beryl Burton

## Command 7

Root Dashboard

Logout

SQL Command

```
select alpha
from jobs;
```

Execute Command

Reset Form

Clear Results

Error: Unknown column 'alpha' in 'field list'

## Command 8

Root Dashboard

Logout

SQL Command

```
update jobs
set city = "Madrid"
where city = "Paris";
```

Execute Command

Reset Form

Clear Results

Command executed successfully. Rows affected:

## Command 9

Root Dashboard

Logout

SQL Command

```
select *  
from jobs;
```

Execute Command

Reset Form

Clear Results

jnum	jname	numworkers	city
J1	Operation DB	45	Berlin
J13	Night Strike	350	Madrid
J2	Really Big Job	500	Melbourne
J22	Project On-Time	200	London
J3	Small Job	100	Chicago
J4	New Job	50	Berlin
J5	My Job	1	Orlando
J6	A New Job	14	Milan

## Command 10

Root Dashboard

Logout

SQL Command

```
select count(*) as total_shipments  
from shipments;
```

Execute Command

Reset Form

Clear Results

total_shipments
58

## Command 11

Root Dashboard

Logout

SQL Command

```
insert into shipments values ("S0","P1","J4",150);
```

Execute Command

Reset Form

Clear Results

Error: Cannot add or update a child row: a foreign key constraint fails (`project4`.`shipments`, CONSTRAINT `shipments\_ibfk\_1` FOREIGN KEY (`snum`) REFERENCES `suppliers` (`snum`))

# Client User Commands

## Command 1

Client Dashboard

Logout

SQL Query Execution

Note: Client users can only execute SELECT queries.

```
{ select *
from shipments
where shipments.snum = suppliers.snum
and shipments.pnum = parts.pnum
}
);
```

Execute Query

Reset Form

Clear Results

snum	sname
S6	Nicola Gianniberti

## Command 2

Client Dashboard

Logout

SQL Query Execution

Note: Client users can only execute SELECT queries.

```
update jobs
set city = "Madrid"
where city = "Paris";
```

Execute Query

Reset Form

Clear Results

Error: Only SELECT queries are allowed for client users

## Command 3

Client Dashboard

Logout

SQL Query Execution

Note: Client users can only execute SELECT queries.

```
select count(*) as total_shipments_with_quantity_over_100
from shipments
where quantity > 100;
```

Execute Query

Reset Form

Clear Results

total_shipments_with_quantity_over_100
26

## Command 4

Client Dashboard

Logout

### SQL Query Execution

Note: Client users can only execute SELECT queries.

```
replace into suppliers values ("S1", "Michael Schumacher",4,"Frankfurt");
```

Execute Query

Reset Form

Clear Results

Error: Only SELECT queries are allowed for client users

# Data Entry Commands

## Command 1

Data Entry Dashboard

Logout

Suppliers

Parts

Jobs

Shipments

Supplier Number

S39

Part Number

P6

Job Number

J4

Quantity

33

Submit

Reset

Data saved successfully. Rows affected:

## Command 2

Data Entry Dashboard

Logout

Suppliers

Parts

Jobs

Shipments

Supplier Number

S39

Part Number

P55

Job Number

J4

Quantity

150

Submit

Reset

Error:

## Command 3

Data Entry Dashboard

Logout

Suppliers

Parts

Jobs

Shipments

Supplier Number

S90

Supplier Name

Anna-Frieda

Status

34

City

Stockholm

Submit

Reset

Data saved successfully. Rows affected:

## Command 4

Data Entry Dashboard

Logout

Suppliers

Parts

Jobs

Shipments

Job Number

J90

Job Name

Top Secret

Number of Workers

3

City

Stockholm

Submit

Reset

Data saved successfully. Rows affected:

## Command 5

Data Entry Dashboard

Logout

Suppliers

Parts

Jobs

Shipments

Supplier Number

S39

Part Number

P6

Job Number

J6

Quantity

500

Submit

Reset

Data saved successfully. Rows affected:

## Command 6

Data Entry Dashboard

Logout

Suppliers

Parts

Jobs

Shipments

Part Number

P90

Part Name

U-plate

Color

black

Weight

50

City

Cardiff

Submit

Reset

Data saved successfully. Rows affected:

## Command 7

Data Entry Dashboard

Logout

Suppliers

Parts

Jobs

Shipments

Supplier Number

S39

Part Number

P6

Job Number

J6

Quantity

35

Submit

Reset

Error:

Elements

Console

Sources

Network

Performance

Memory

Application

Filter

Preserve log

Disable cache

No throttling

More filters

Fetch/DOM

Doc

CSS

JS

Font

Img

Media

Manifest

WS

Wasm

Other

Name

X

Headers

Payload

Preview

Response

Initiator

Timing

Cookies

→ success: false, error: "Duplicate entry 'S39-P6-J6' for key 'shipments.PRIMARY'"

error: "Duplicate entry 'S39-P6-J6' for key 'shipments.PRIMARY'"

success: false

## Command 8

Data Entry Dashboard

Logout

Suppliers

Parts

Jobs

Shipments

Supplier Number

S90

Part Number

P90

Job Number

J90

Quantity

500

Submit

Reset

Data saved successfully. Rows affected:

# Accountant Commands

## Command 1

Accountant Dashboard

Logout

Available Reports

Maximum Supplier Status

Total Weight of All Parts

Total Number of Shipments

Job with Most Workers

Supplier Status List

Report Results

Maximum\_Status\_Of\_All\_Suppliers

34

## Command 2

Accountant Dashboard

Logout

Available Reports

Maximum Supplier Status

Total Weight of All Parts

Total Number of Shipments

Job with Most Workers

Supplier Status List

Report Results

Sum\_Of\_All\_Part\_Weights

143.00



### Command 3

Accountant Dashboard

Logout

Available Reports

Maximum Supplier Status

Total Weight of All Parts

Total Number of Shipments

Job with Most Workers

Supplier Status List

Report Results

The\_Total\_Number\_Of\_Shipments

61

### Command 4

Accountant Dashboard

Logout

Available Reports

Maximum Supplier Status

Total Weight of All Parts

Total Number of Shipments

Job with Most Workers

Supplier Status List

Report Results

jname	numworkers
Really Big Job	500

## Command 5

### Available Reports

Maximum Supplier Status

Total Weight of All Parts

Total Number of Shipments

Job with Most Workers

Supplier Status List

### Report Results

sname	status
Michael Schumacher	1
David Coulthard	2
Bernard Hinault	7
Eddy Merckx	1
Candice Swanepoel	3
Adriana Lima	4
Jennifer Lawrence	6
Fernando Alonso	4
Rubens Barichello	3
Tom Boonen	2
Johan Messeuw	1
Juan Pablo Montoya	4
Danilo Rossi	2
Lizzie Armistead	1
Jan Ullrich	5
Dietrich Thurau	1
Bernd Schnieder	2
Rolf Aldag	3
Candice Swanepoel	10
Mark Webber	5
Beryl Burton	4
Jenson Button	4
Marianne Vos	8
Nicola Gianniberti	2
Christian Albers	3
Giancarlo Fisichella	3
Kimi Rikonnen	2
Anna-Frieda	34