



ZeroX-DBMS

System Analysis

Foreground

By:

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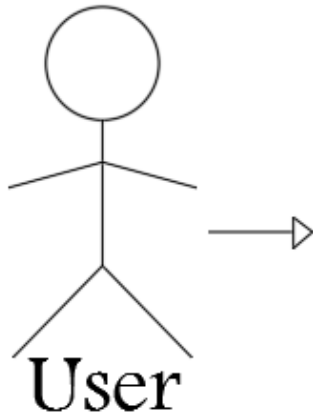
Hussein Ghoraba

Supervisor

Eng. Mina Nagy

Foreground Analysis

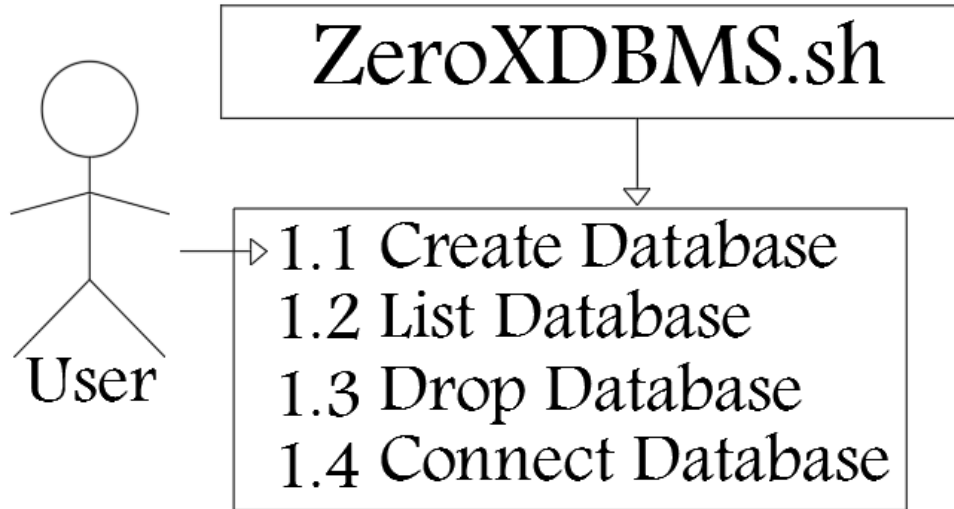
Seq. No. (01)



ZeroXDBMS.sh

- 1.1 Create Database
- 1.2 List Database
- 1.3 Drop Database
- 1.4 Connect Database

Seq. No. (02)



1.1 Create Database

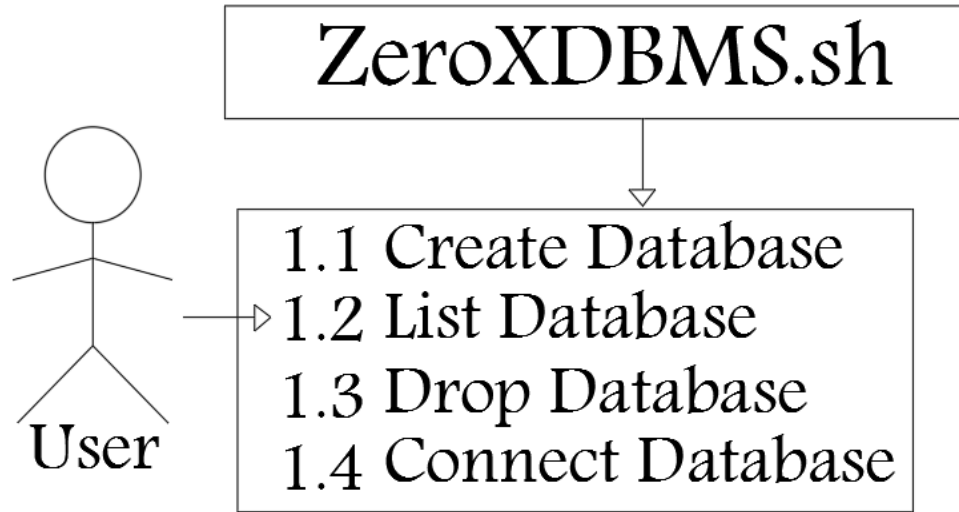
Requires

- get the name of the Database

Actions

- Successfully Created Database
- Error Message

Seq. No. (03)



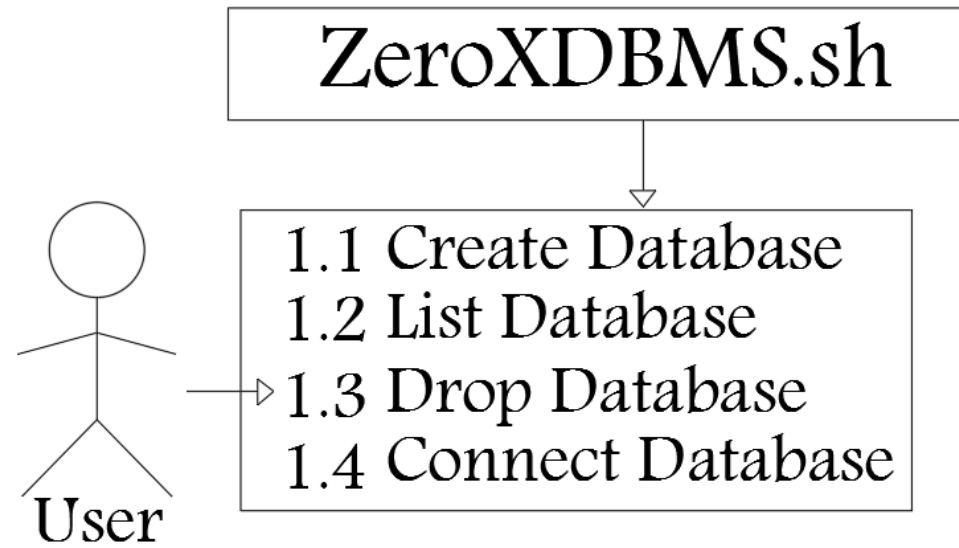
1.2 List Database

Requires

Actions

– View databases

Seq. No. (04)



1.3 Drop Database

Requires

- get the name of the Database

Actions

- Successfully Deleted Database
- Error Message

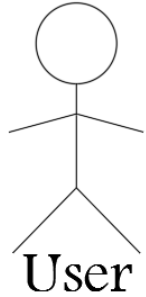
Seq. No. (05)



ZeroXDBMS.sh



- 1.1 Create Database
- 1.2 List Database
- 1.3 Drop Database
- 1.4 Connect Database



1.4 Connect Database

Requires

- get the name of the Database

Actions

- View list of options
 - 1.4.1 - list table
 - 1.4.2 - create table
 - 1.4.3 - Drop table
 - 1.4.4 - Insert into table
 - 1.4.5 - Select table
 - 1.4.6 - Delete from table
 - 1.4.6 - Update from table
- Error Message

Seq. No. (06)



ZeroXDBMS.sh

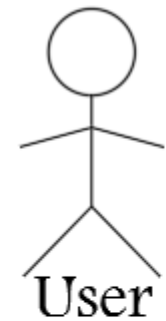
1.1 Create Database
1.2 List Database
1.3 Drop Database
1.4 Connect Database

1.4.1 – list tables

Requires

Actions

– View tables



→ 1.4.1 – list table
1.4.2 – create table
1.4.3 – Drop table
1.4.4 – Insert into table
1.4.5 – Select table
1.4.6 – Delete from table
1.4.7 – Update from table

Seq. No. (07)



ZeroXDBMS.sh

1.1 Create Database
1.2 List Database
1.3 Drop Database
1.4 Connect Database

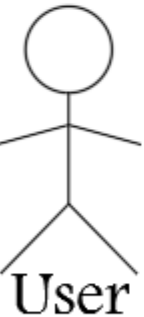
1.4.2 – create table

Requires

- get the name of the table
- get number of fields
 - 1- get name of fields
 - 2- get data type of fields
 - 3- get constraints "PK"

Actions

- Successfully created
- Error Message



- 1.4.1 – list table
- 1.4.2 – create table
- 1.4.3 – Drop table
- 1.4.4 – Insert into table
- 1.4.5 – Select table
- 1.4.6 – Delete from table
- 1.4.7 – Update from table

Seq. No. (08)



ZeroXDBMS.sh

1.1 Create Database
1.2 List Database
1.3 Drop Database
1.4 Connect Database

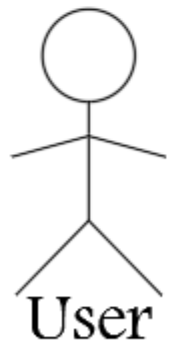
1.4.3 – Drop Table

Requires

– get the name of the table

Actions

– Successfully created
– Error Message



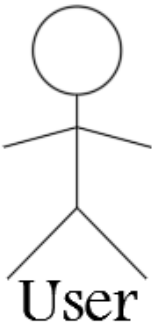
1.4.1 – list table
1.4.2 – create table
1.4.3 – Drop table
1.4.4 – Insert into table
1.4.5 – Select table
1.4.6 – Delete from table
1.4.7 – Update from table

Seq. No. (09)



ZeroXDBMS.sh

1.1 Create Database
1.2 List Database
1.3 Drop Database
1.4 Connect Database



User

1.4.1 – list table
1.4.2 – create table
1.4.3 – Drop table
1.4.4 – Insert into table
1.4.5 – Select table
1.4.6 – Delete from table
1.4.7 – Update from table

1.4.4 – Insert into table

Requires

2– choose number of table
4– enter value of field 1
5– enter value of field 2
.....
.....

Actions

1 – View Tables Names
3– View Metada
– Successfully created
– Error Message

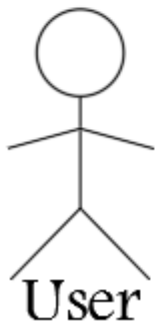
Seq. No. (10)



ZeroXDBMS.sh

- 1.1 Create Database
- 1.2 List Database
- 1.3 Drop Database
- 1.4 Connect Database

- 1.4.1 – list table
- 1.4.2 – create table
- 1.4.3 – Drop table
- 1.4.4 – Insert into table
- 1.4.5 – Select table
- 1.4.6 – Delete from table
- 1.4.7 – Update from table



1.4.5 – Select from table

Requires

- 2– choose number of table
- 5– choose no, of list
- 6– in case of select col. :
get the name of the col.
- 7– in case of select row:
get the value of PK

Actions

- 1– View Tables Names
- 3– View Metada
- 4 – View List :
 - 4 –1 – select all → view all data
 - 4 –2 – select column→ view col. data
 - 4 – 3 – select row→ view data of specific PK
- Successfully created
- Error Message

Seq. No. (11)



ZeroXDBMS.sh

- 1.1 Create Database
- 1.2 List Database
- 1.3 Drop Database
- 1.4 Connect Database

- 1.4.1 – list table
- 1.4.2 – create table
- 1.4.3 – Drop table
- 1.4.4 – Insert into table
- 1.4.5 – Select table
- 1.4.6 – Delete from table
- 1.4.7 – Update from table

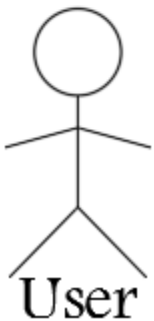
1.4.6 Delete from table

Requires

- 2– choose number of table
- 5– choose no, of list
- 6– in case of select col. :
get the name of the col.
- 7– in case of select row:
get the value of PK

Actions

- 1 – View Tables Names
- 3 – View Metada
- 4 – View List :
 - 4 – 1 – Delete all → Delete all data of table
 - 4 – 2 – Delete column → Delete col. data
 - 4 – 3 – Delete row → Delete data of specific PK
- Successfully created
- Error Message



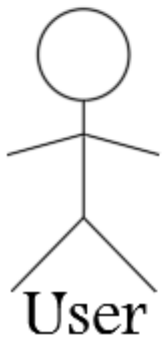
User

Seq. No. (12)

ZeroXDBMS.sh

1.1 Create Database
1.2 List Database
1.3 Drop Database
1.4 Connect Database

1.4.1 - list table
1.4.2 - create table
1.4.3 - Drop table
1.4.4 - Insert into table
1.4.5 - Select table
1.4.6 - Delete from table
1.4.7 - Update from table



1.4.7 Update table

Requires

- 2- choose number of table
- 4- insert PK for updates req.
- 5- insert new values

Actions

- 1- View Tables Names
- 3- View Metada
- Successfully created
- Error Message

