

## Lab Assignment 2

1).

- add tasks: enter the task, date, rate in the text box, press add to the todo bar.
- tick completed task: tick the checkbox and move the to do task to completed bar.
- edit task: press the edit button to update tasks, date and rating.
- delete task: delete a task from list.
- search by date.
- search by rating.

2). Each task including content, date rating, edit button and delete button is an object, and the JS code has add, remove, edit functions to operate these items.

5).

```
mysql> SELECT VERsion()  
-> ;
```

```
+-----+  
| VERsion() |  
+-----+  
| 5.7.16    |  
+-----+  
1 row in set (0,00 sec)
```

```
mysql> SELECT now();  
+-----+  
| now()          |  
+-----+  
| 2016-11-29 19:52:45 |  
+-----+  
1 row in set (0,00 sec)
```

```
mysql> HELP;
```

For information about MySQL products and services, visit:

<http://www.mysql.com/>

For developer information, including the MySQL Reference Manual, visit:

<http://dev.mysql.com/>

To buy MySQL Enterprise support, training, or other products, visit:

<https://shop.mysql.com/>

List of all MySQL commands:

Note that all text commands must be first on line and end with ';'.

?	(\?)	Synonym for 'help'.
clear	(\c)	Clear the current input statement.
connect	(\r)	Reconnect to the server. Optional arguments are db and host.
delimiter	(\d)	Set statement delimiter.
edit	(\e)	Edit command with \$EDITOR.
ego	(\G)	Send command to mysql server, display result vertically.
exit	(\q)	Exit mysql. Same as quit.
go	(\g)	Send command to mysql server.
help	(\h)	Display this help.
nopager	(\n)	Disable pager, print to stdout.
notee	(\t)	Don't write into outfile.
pager	(\P)	Set PAGER [to_pager]. Print the query results via PAGER.
print	(\p)	Print current command.
prompt	(\R)	Change your mysql prompt.
quit	(\q)	Quit mysql.
rehash	(\#)	Rebuild completion hash.
source	(\.)	Execute an SQL script file. Takes a file name as an argument.
status	(\s)	Get status information from the server.
system	(\!)	Execute a system shell command.
tee	(\T)	Set outfile [to_outfile]. Append everything into given outfile.
use	(\u)	Use another database. Takes database name as argument.
charset	(\C)	Switch to another charset. Might be needed for processing binlog with multibyte.
warnings	(\W)	Show warnings after every statement.
nowarning	(\w)	Don't show warnings after every statement.
resetconnection	(\x)	Clean session context.

For server side help, type 'help contents'

```
mysql> HELP Contents;
```

You asked for help about help category: "Contents"

For more information, type 'help <item>', where <item> is one of the following categories:

- Account Management
- Administration
- Compound Statements
- Data Definition
- Data Manipulation
- Data Types
- Functions
- Functions and Modifiers for Use with GROUP BY
- Geographic Features
- Help Metadata

- Language Structure
- Plugins
- Procedures
- Storage Engines
- Table Maintenance
- Transactions
- User-Defined Functions
- Utility

```
mysql> HELP data manipulation;
```

You asked for help about help category: "Data Manipulation"

For more information, type 'help <item>', where <item> is one of the following topics:

- CALL
- DELETE
- DO
- DUAL
- HANDLER
- INSERT
- INSERT DELAYED
- INSERT SELECT
- JOIN
- LOAD DATA
- LOAD XML
- REPLACE
- SELECT
- UNION
- UPDATE

```
mysql> help show databases;
```

Name: 'SHOW DATABASES'

Description:

Syntax:

```
SHOW {DATABASES | SCHEMAS}  
    [LIKE 'pattern' | WHERE expr]
```

SHOW DATABASES lists the databases on the MySQL server host. SHOW SCHEMAS is a synonym for SHOW DATABASES. The LIKE clause, if present, indicates which database names to match. The WHERE clause can be given to select rows using more general conditions, as discussed in <http://dev.mysql.com/doc/refman/5.7/en/extended-show.html>.

You see only those databases for which you have some kind of privilege, unless you have the global SHOW DATABASES privilege. You can also get this list using the mysqlshow command.

If the server was started with the `--skip-show-database` option, you cannot use this statement at all unless you have the `SHOW DATABASES` privilege.

URL: <http://dev.mysql.com/doc/refman/5.7/en/show-databases.html>

```
mysql> show databases;
```

```
+-----+
| Database          |
+-----+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
| todo               |
| webdata            |
+-----+
6 rows in set (0,01 sec)
```

```
mysql> desc ItemTag;
```

```
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ToDoId | int(11) | NO   | PRI | NULL    |       |
| TagId  | int(11) | NO   | PRI | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0,01 sec)
```

```
mysql> desc Tag;
```

```
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Id    | int(11) | NO   | PRI | NULL    | auto_increment |
| Text  | text    | YES  |     | NULL    |               |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0,00 sec)
```

```
mysql> desc ToDoAssignment;
```

```
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
```

```

+-----+-----+-----+-----+-----+-----+
| ToDoId      | int(11)  | NO   | PRI | NULL   | auto_increment |
| AssigneeId  | int(11)  | NO   | PRI | NULL   |                 |
| AssignDate  | timestamp| YES  |     | NULL   |                 |
+-----+-----+-----+-----+-----+-----+

```

3 rows in set (0,00 sec)

mysql> desc ToDoItem;

```

+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra           |
+-----+-----+-----+-----+-----+-----+
| Id         | int(11)   | NO   | PRI | NULL    | auto_increment |
| Title      | text      | YES  |     | NULL    |                 |
| Text       | text      | YES  |     | NULL    |                 |
| CreationDate | timestamp | YES  |     | NULL    |                 |
| DueDate    | timestamp | YES  |     | NULL    |                 |
| Completed  | tinyint(1)| YES  |     | NULL    |                 |
| CompletionDate | timestamp | YES  |     | NULL    |                 |
| Priority    | int(11)   | NO   | PRI | NULL    |                 |
| ToDoListID | int(11)   | YES  | MUL | NULL    |                 |
| ParentToDo | int(11)   | YES  | MUL | NULL    |                 |
+-----+-----+-----+-----+-----+-----+

```

10 rows in set (0,00 sec)

mysql> desc ToDoList

-> ;

```

+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra           |
+-----+-----+-----+-----+-----+-----+
| Id         | int(11)   | NO   | PRI | NULL    | auto_increment |
| Name       | text      | YES  |     | NULL    |                 |
| CreationDate | timestamp | YES  |     | NULL    |                 |
| Owner      | int(11)   | YES  | MUL | NULL    |                 |
| IsPublic   | tinyint(1)| YES  |     | NULL    |                 |
+-----+-----+-----+-----+-----+-----+

```

5 rows in set (0,00 sec)

mysql> desc User;

```

+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra           |
+-----+-----+-----+-----+-----+-----+
| Id         | int(11)   | NO   | PRI | NULL    | auto_increment |
| Name       | text      | YES  |     | NULL    |                 |
| Email      | text      | YES  |     | NULL    |                 |
| Username   | tinytext  | YES  |     | NULL    |                 |
+-----+-----+-----+-----+-----+-----+

```

Password   text	YES		NULL		
+-----+-----+-----+-----+-----+-----+					
5 rows in set (0,00 sec)					

6).

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