

Action plan

Adding a task:

1. Add button
2. Click on Add button
3. The information in the form is stored in a new todo object and displayed in the list of tasks.
The form is emptied
4. Attach action to event

Clicks on task:

1. Task link
2. Link is clicked
3. Popup appears with information about the task.
4. Attach function to the event

Edit button in popup:

1. Edit button in popup
2. Button is pressed
3. Changed information is stored in the todo object
4. Attach the function to the event

Close popup:

1. Close popup image
2. Image is pressed
3. Popup is closed
4. Attach the function to the event

Delete button in popup:

1. Delete button in popup
2. Button is pressed
3. Todo object is deleted and popup closed
4. Attach the function to the event

Sort by due date/ importance

1. Sort button/link
2. Link is pressed
3. Todo objects are sorted and displayed by date/importance
4. Attach the function to the event

Set item done

1. Done Checkbox
2. Checkbox is checked
3. Item is marked done
4. Attach the function to the event

Object-Oriented Programming

In our project we will use two types of objects. First an object to hold all the information of a todo. This object contains the name of the task, the importance, due date etc. The todo object also contains some functions. A function to set a todo to done and change the content of the object.

The second object we will use is an object that holds all the todo's of an user. This object contains multiple todo objects and some functions on its one. A function to delete a todo from the list. A function to sort the todo's by due date or importance. A function to add a todo object to the list.

In this project we don't use inheritance or differentiate between private and public attributes so we use the basic constructor.

5. MYSQL

```
mysql> select VERSION();
+-----+
| VERSION() |
+-----+
| 5.5.38-0ubuntu0.14.04.1 |
+-----+
1 row in set (0.00 sec)

mysql> select now();
+-----+
| now() |
+-----+
| 2015-11-22 15:42:15 |
+-----+
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 multi-byte charsets.
warnings	(\W)	Show warnings after every statement.
nowarning	(\w)	Don't show warnings after every statement.

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>
```

```
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>
```

```
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/5.5/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/5.5/en/show-databases.html>

```
mysql>
```

```
mysql> SHOW DATABASES
```

```
-> ;
```

Database
information_schema
DUMP
example
mysql
performance_schema
todo

```
6 rows in set (0.00 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 (0.00 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)
```

```
mysql>
```

