

# Datatables

mit <https://datatables.net/> hat man eine einfache Möglichkeit ein Datenbank Grid in PHP zu realisieren.

CDN zum Projekt: <https://cdn.datatables.net/>

## PHP - DataTables.js - SQLite3 Example

Show 10 entries

Search:

Id	Name	Email
1	Name1	test1@test.de
2	Name2	test2@test.de
3	Name3	test3@test.de
4	Name4	test4@test.de
5	Name5	test5@test.de
6	Name6	test6@test.de
7	Name7	test7@test.de
8	Name8	test8@test.de
9	Name9	test9@test.de
10	Name10	test10@test.de

Showing 1 to 10 of 12 entries

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## DEMO

| [create.php](#)

```
<?php
/**
 * Datenbank / Tabelle erstellen
 */
$db_name = "database.db";           // Name der Datenbank
$db_table = "user";                 // Name der Tabelle

// erstelle Datenbank wenn nicht vorhanden
IF (!file_exists($db_name)) {
    $db = NEW SQLite3("$db_name", SQLITE3_OPEN_CREATE |
SQLITE3_OPEN_READWRITE);

    // Tabellen Struktur für 'user' anlegen
    $db->EXEC("CREATE TABLE IF NOT EXISTS $db_table
(
    'id' INTEGER PRIMARY KEY AUTOINCREMENT NOT NULL,
```

```
'name' TEXT,
'email' TEXT
)
");

// Daten-Dump für USER, insgesamt 12 Zeilen (Testdaten)
$db-> EXEC("INSERT INTO $db_table ('id','name','email') VALUES
('1','Name1','test1@test.de'),
('2','Name2','test2@test.de'),
('3','Name3','test3@test.de'),
('4','Name4','test4@test.de'),
('5','Name5','test5@test.de'),
('6','Name6','test6@test.de'),
('7','Name7','test7@test.de'),
('8','Name8','test8@test.de'),
('9','Name9','test9@test.de'),
('10','Name10','test10@test.de'),
('11','Name11','test11@test.de'),
('12','Name12','test12@test.de')
");

echo "Testdatenbank erstellt";
} ELSE {
echo "FEHLER: Datenbank $db_name existiert bereits.";
};
?>
```

[index.php](#)

```
<!DOCTYPE html>
<html lang="de">
<head>
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js">
</script>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.
min.css">
  <!-- Font Awesome / Icons welche bei Bootstrap4 nicht mehr standard
mäßig dabei sind-->
  <link rel="stylesheet"
href="https://cdn.datatables.net/1.10.21/css/dataTables.bootstrap4.min.
css" >

</head>

<body>

<div class="container">
```

```

<h2>PHP - DataTables.js - SqlLite3 Example</h2>
<table id="my-example" class='table table-bordered table-striped dt-
responsive nowrap' style='width:100%;'>
  <thead>
    <tr>
      <th>Id</th>
      <th>Name</th>
      <th>Email</th>
    </tr>
  </thead>
</table>

</div>

<script type="text/javascript">
$(document).ready(function() {
  $('#my-example').dataTable({
    "Processing": true,
    'ajax':{
      url:"load.php"
    },
    "Columns": [
      { Data: 'id' } ,
      { Data: 'name' },
      { Data: 'email' }
    ]
  });
});
</script>

<script
src="https://cdn.datatables.net/1.10.21/js/jquery.dataTables.min.js"></
script>
<script
src="https://cdn.datatables.net/1.10.21/js/dataTables.bootstrap4.min.js
"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.mi
n.js"></script>
</body>
</html>

```

[load.php](#)

```

<?php
/**
 * Datensätze aus Tabelle auslesen und zurückgeben
 */
$db_name = "database.db";

```

```
$db_table = "user";
$db = new SQLite3($db_name);

$results = $db->query("SELECT * FROM $db_table");
while ($row = $results->fetchArray()) {
    $data[] = $row;
}

$results = [
    "Echo" => 1,
    "TotalRecords" => count($data),
    "TotalDisplayRecords" => count($data),
    "aData" => $data ];

echo json_encode($results);

?>
```

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