

JQuery Plugins

Sliders, Date & Time pickers,
Form Validators, Drag'n'Drops

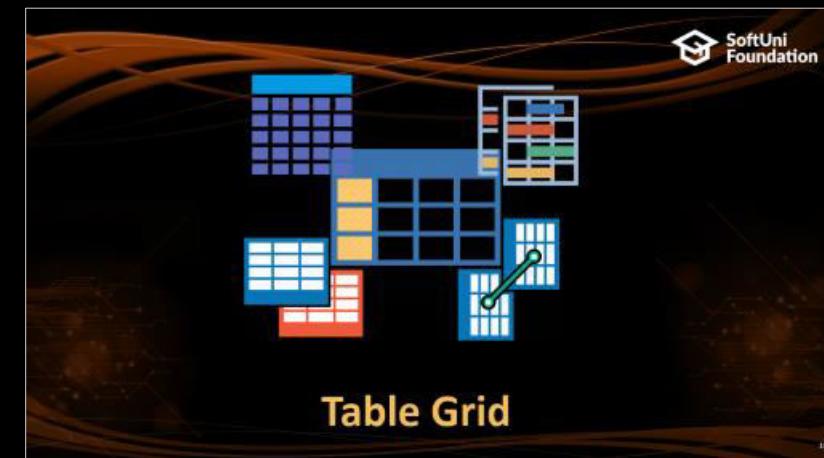
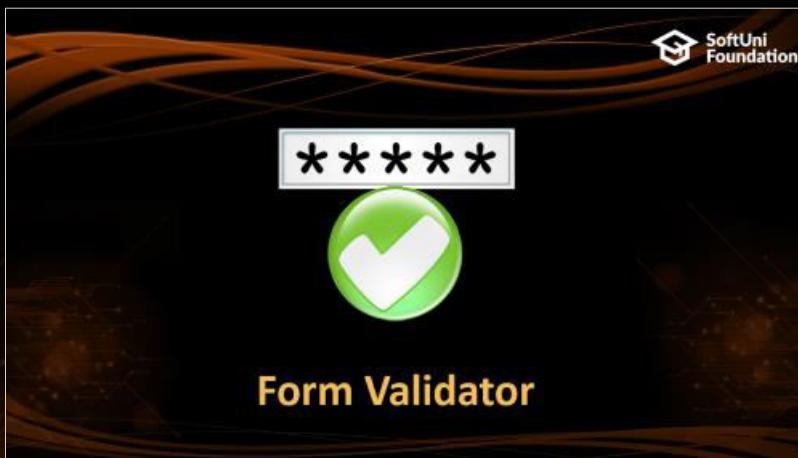
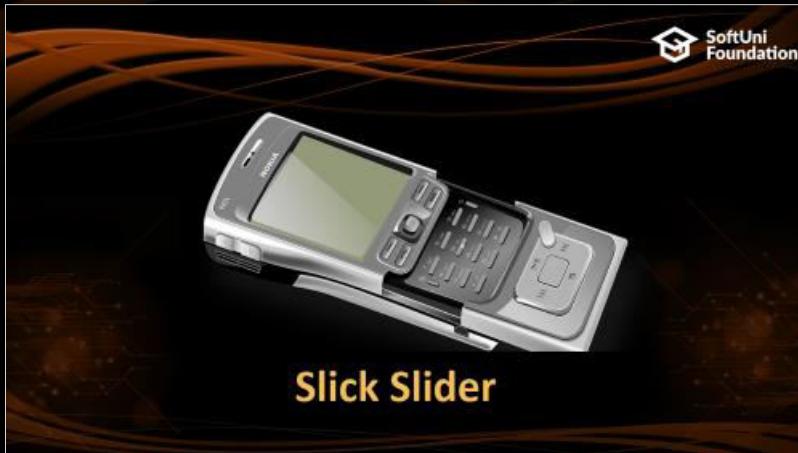


SoftUni Team
Technical Trainers

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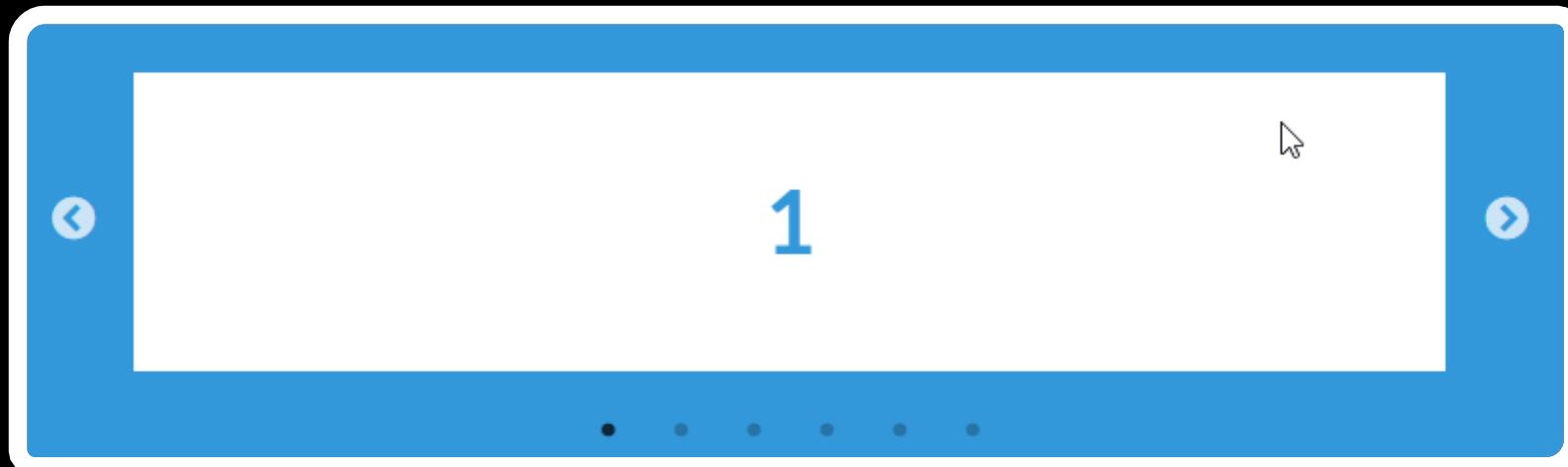
sli.do

#front-end



Slick Slider

- A simple slider plugin which enhances the user experience
 - Fully responsive. Scales with its container.
 - Uses CSS3 when available. Fully functional when not.
 - Desktop mouse dragging. Infinite looping.



Documentation: <http://kenwheeler.github.io/slick/>

Slick Slider (Demo)



```
<head>
  ...
  <link rel="stylesheet" href="css/style.css">
  <link rel="stylesheet" href="css/slick.css">
  <link rel="stylesheet" href="css/slick-theme.css">
  <script src="lib/jquery-3.3.1.min.js"></script>
  <script src="lib/slick.js"></script>
</head>

<body>
  <div class="slider">
    <div class="slider-element slider-element-first">First</div>
    <div class="slider-element slider-element-second">Second</div>
    <div class="slider-element slider-element-third">Third</div>
  </div>
</body>
```

Our Slider and
its slides

The plugin CSS

JQuery & the
plugin

Slick Slider (Demo) – Result

```
<body>
  <div class="slider">
    ...
  </div>

  <script src="app.js"></script>
</body>
```

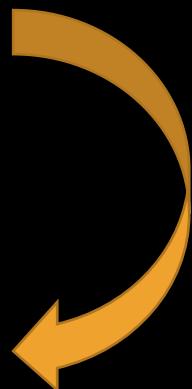
Import your
JavaScript file

app.js
`$('.slider').slick();`

Calling the `slick()`
function initiates the
plugin functionality

Select the element,
using JQuery

Result...





Slick Slider

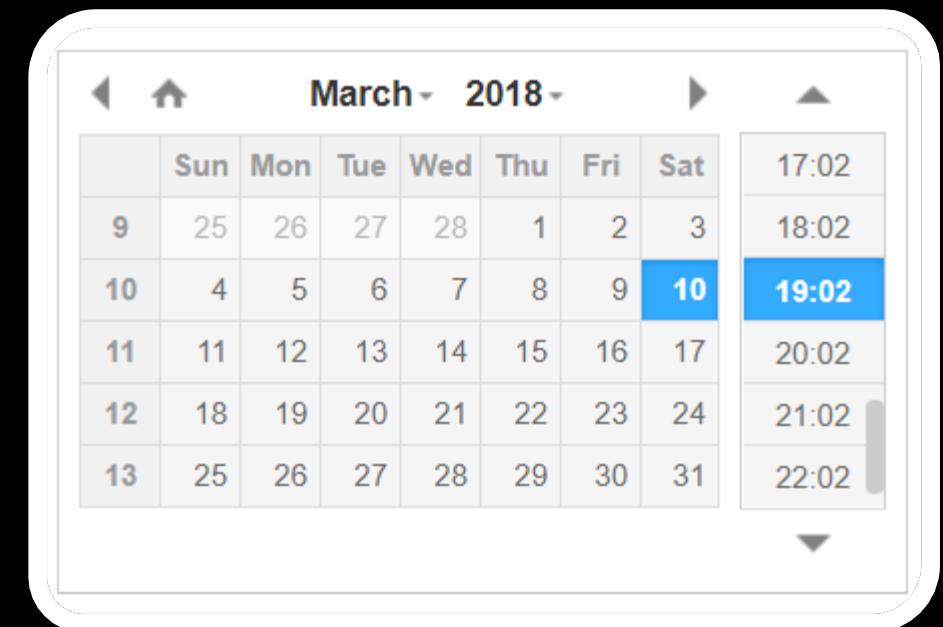
Live Demo



Date & Time Picker

Date & Time Picker

- **DateTimePicker** is a very basic plugin which customizes date input in forms
 - Simplistic, but contains many options
 - Easily customized
 - Configurable for Date pick only
 - Configurable for Time pick only
 - Configurable Time interval



Documentation: <https://xdsoft.net/jqplugins/datetimepicker/>

Date & Time Picker (Demo)

```
<head>
  ...
  <link rel="stylesheet" href="css/style.css">
  <link rel="stylesheet" href="css/jquery.datetimepicker.css">
  <script src="lib/jquery-3.3.1.min.js"></script>
  <script src="lib/jquery.datetimepicker.full.js"></script>
</head>
```

The plugin CSS

```
<body>
  <form class="date-time-form">
    <div class="name-group">...</div>
    <div class="datetime-group">...</div>
    <div class="button-group">...</div>
  </form>
</body>
```

Our Form

JQuery & the
plugin



Date & Time Picker (Demo)

```
<div class="name-group">  
  <label for="name">Product Name</label>  
  <input id="name" type="text" placeholder="Name...">  
</div>
```

Out datetime
field group

```
<div class="datetime-group">  
  <label for="producedOn">Produced On</label>  
  <input id="producedOn" type="text" placeholder="Date & Time..."/>  
</div>
```

```
<div class="button-group">  
  <button class="date-time-form-submit">Submit</button>  
</div>
```

Date & Time Picker (Demo) – Result

```
<body>
  <form class="date-time-picker">
    ...
  </form>

  <script src="app.js"></script>
</body>
```

Don't forget
to import your
JavaScript file

app.js

```
$( '#producedOn' ).datetimepicker();
```

Select the
element,
using JQuery

Calling the
datetimepicker() func.
initiates the plugin functionality



Register Product

Product Name

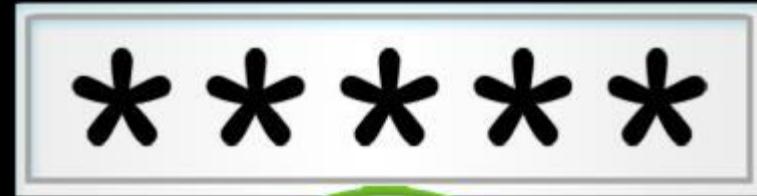
Produced On

Submit



Date & Time Picker

Live Demo



Form Validator

Form Validator

- **jQuery Form Validator** is a **jQuery** plugin that makes it easy to validate **user input**
 - Feature-rich and **multilingual**.
 - Keeps your **HTML** markup clean from **JavaScript**.
 - Functionality is grouped-up in **modules**.
 - Optimized **network traffic**.

Register User

Username

Password

E-mail

Submit

Documentation: <http://www.formvalidator.net/>

Form Validator (Demo)



```
<head>
  ...
  <link rel="stylesheet" href="css/style.css">
  <script src="lib/jquery-3.3.1.min.js"></script>
  <script src="lib/jquery.form-validator.min.js"></script>
</head>
```

```
<body>
  <form class="validator-form">
    <div class="username-group">...</div>
    <div class="password-group">...</div>
    <div class="email-group">...</div>
    <div class="button-group">...</div>
  </form>
</body>
```

Our Form

JQuery & the
plugin

Form Validator (Demo)

- The data validation functionality is configured by the `input` fields' meta attributes.
 - The plugin has its own way of interpreting them.

```
<div class="username-group">
    <label for="username">Username</label>
    <input id="username" type="text" placeholder="Username..." 
        data-validation="length alphanumeric"
        data-validation-length="3-12"
        data-validation-error-msg="The username should only
        contain 3-12 alphanumeric characters.">
</div>
```

Meta attributes

Form Validator (Demo)

```
<div class="password-group">  
  <label for="password">Password</label>  
  <input id="password" type="password" placeholder="Password..."  
        data-validation="length"  
        data-validation-length="6-20"  
        data-validation-error-msg="The password should only  
contain 6-20 characters.">  
</div>
```

```
<div class="email-group">  
  <label for="email">E-mail</label>  
  <input id="email" type="email" placeholder="E-mail..."  
        data-validation="email">  
</div>
```

This is a special validation,
like "length"

Form Validator (Demo) – Result

```
<body>
  <form class="val...
    ...
  </form>

  <script src="app.js"></script>
</body>
```

Don't forget
to import your
JavaScript file

app.js

`$.validate();`

This plugin is
attached directly to
jQuery

Calling the `validate()`
func. initiates the plugin
functionality



Register User

Username

Password

E-mail

Submit



Form Validator

Live Demo

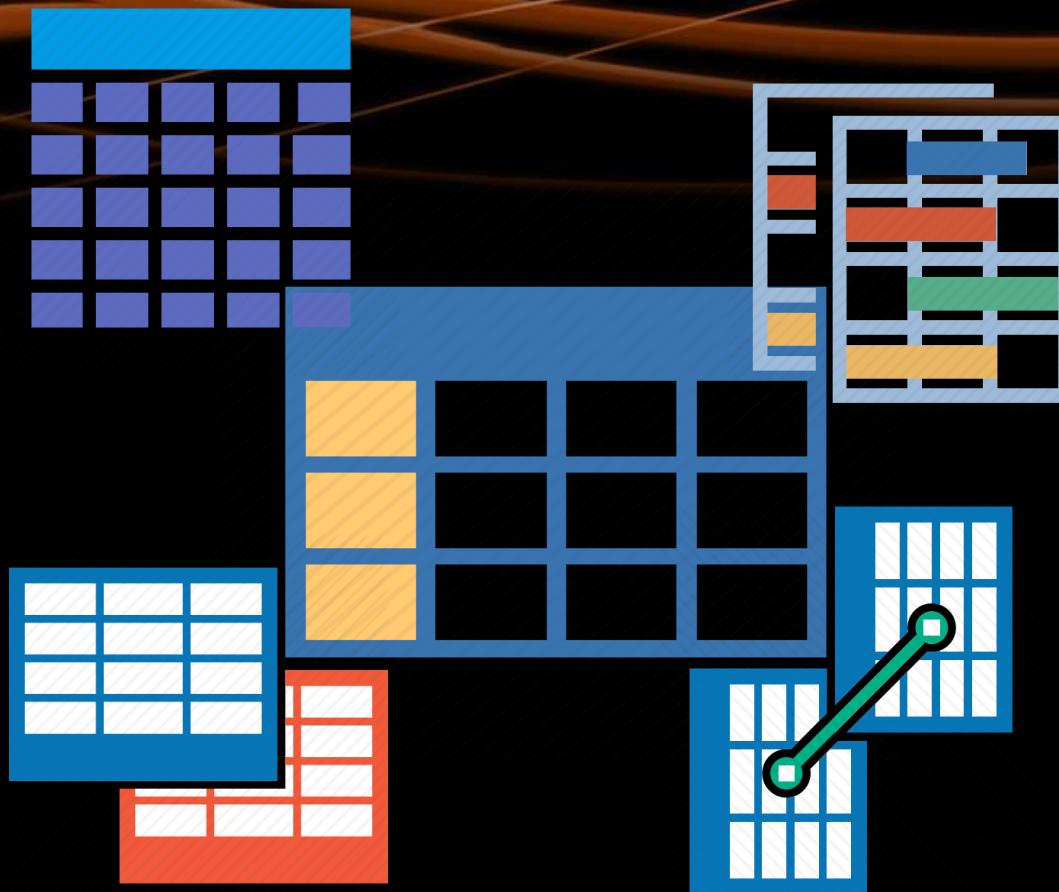


Table Grid

Table Grid

- **DataTables** is a jQuery plugin that enhances HTML tables.
 - Highly flexible. Provides many extensions.
 - Build upon the foundations of progressive enhancement.

Table Grid Example					
#	First Name	Last Name	Email	Gender	IP Address
1	Dell	Reveley	dreveley0@drupal.org	Female	23.212.145.143
2	Gavan	Greenrde	ggreenrde1@indiatimes.com	Male	170.95.114.155
3	Auberta	Jorio	ajorio2@theguardian.com	Female	102.137.21.187
4	Hyacinthia	Kiwitz	hkiwitz3@usda.gov	Female	129.66.152.67
5	Kristi	Cantillion	kcantillion4@wunderground.com	Female	29.251.89.253
6	Kristoforo	Gilston	kgilston5@stumbleupon.com	Male	113.6.11.13
7	Guillaume	Riall	griall6@goo.gl	Male	95.33.17.168
8	Tabina	Bownas	tbownas7@comsenz.com	Female	33.248.241.247
9	Ranique	Roggeman	rroggeman8@sciencedirect.com	Female	85.147.15.65
10	Crissy	Aloway	caloway9@themeforest.net	Female	33.87.7.4

Showing 1 to 10 of 1,000 entries

Previous 1 2 3 4 5 ... 100 Next



Documentation: <https://datatables.net/>

Table Grid (Demo)



```
<head>
  ...
  <link rel="stylesheet" href="css/datatables.min.css">
  <link rel="stylesheet" href="css/style.css">
  <script src="lib/jquery-3.3.1.min.js"></script>
  <script src="lib/datatables.min.js"></script>
</head>
```

The plugin CSS

```
<body>
  <table id="table-grid">
    <thead>...</thead>
    <tbody>...</tbody>
  </table>
</body>
```

Our Table

JQuery & the
plugin

Table Grid (Demo)

```
...  
<thead>  
  <tr>  
    <th scope="col">#</th>  
    <th scope="col">First Name</th>  
    <th scope="col">Last Name</th>  
    <th scope="col">Email</th>  
    <th scope="col">Gender</th>  
    <th scope="col">IP Address</th>  
  </tr>  
</thead>  
<tbody>  
</tbody>  
...
```

The table
heading design

```
...  
<thead>  
</thead>  
<tbody>  
  <tr>...</tr>  
  <tr>...</tr>  
  <tr>...</tr>  
  <tr>...</tr>  
  <tr>...</tr>  
  <tr>...</tr>  
  <tr>...</tr>  
  ...  
</tbody>  
...
```

The table body
design

Table Grid (Demo)

```
...  
<tbody>  
  <tr>  
    <td class="id">2</td>  
    <td class="first_name">Gavan</td>  
    <td class="last_name">Greenrde</td>  
    <td class="email">ggreenrde1@indiatimes.com</td>  
    <td class="gender">Male</td>  
    <td class="ip_address">170.95.114.155</td>  
  </tr>  
  ...  
</tbody>  
</table>  
  
<script src="app.js"></script>
```

The table body
inner rows design

Don't forget
to import your
JavaScript file

Table Grid (Results)

Select the element,
using JQuery

app.js

```
$("#table-grid").dataTable();
```

Calling the dataTable() func.
initiates the plugin functionality

Table Grid (Results)						
#	First Name	Last Name	Email	Gender	IP Address	Actions
1	Dell	Reveley	dreveley0@drupal.org	Female	23.212.145.143	
2	Gavan	Greenrde	ggreenrde1@indiatimes.com	Male	170.95.114.155	
3	Auberta	Jorio	ajorio2@theguardian.com	Female	102.137.21.187	
4	Hyacinthia	Kiwitz	hkiwitz3@usda.gov	Female	129.66.152.67	
5	Kristi	Cantillion	kcantillion4@wunderground.com	Female	29.251.89.253	
6	Kristoforo	Gilston	kgilston5@stumbleupon.com	Male	113.6.11.13	
7	Guillaume	Riall	griall6@goo.gl	Male	95.33.17.168	
8	Tabina	Bownas	tbownas7@comsenz.com	Female	33.248.241.247	
9	Ranique	Roggeman	rroggeman8@sciencedirect.com	Female	85.147.15.65	
10	Crissy	Aloway	caloway9@themeforest.net	Female	33.87.7.4	
Showing 1 to 10 of 1,000 entries				Previous	1	2
				3	4	5
				...	100	Next



Table Grid

Live Demo

Summary

- jQuery comes with lot of plugins that increase website functionality

- Slick Slider

```
$('.slider').slick();
```

- Date & Time Picker

```
$('#producedOn').datetimepicker();
```

- Form Validator

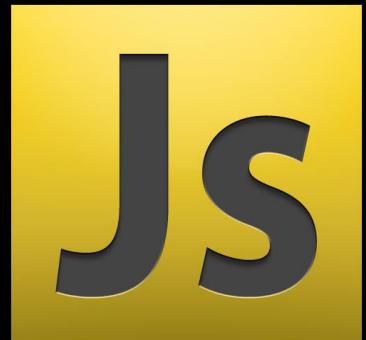
```
$.validate();
```

- Table Grid

```
$("#table-grid").dataTable();
```



Summary



JavaScript for Front-End – JQuery Plugins



Questions?



SoftUni Diamond Partners



SoftwareGroup
doing it right



SoftUni Diamond Partners



LIEBHERR

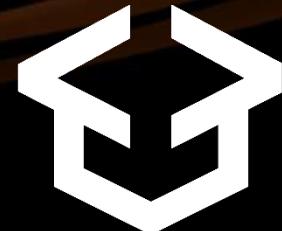


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