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**Thanks to use BeatPicker**

You can see online demos [here](http://act1gmr.github.io/BeatPicker/demos.html).Download latest version [here](https://github.com/ACT1GMR/BeatPicker/zipball/0.1.3).**Browsers support and infos** [**here**](http://act1gmr.github.io/BeatPicker)

Dependencies:

* jQuery 1.8.x.js+
* BeatPicker.js
* BeatPicker.css

How to use BeatPicker

first include:

<link rel="stylesheet" href="css/BeatPicker.css"/>

<script src="js/jquery-2.1.0.min.js"></script>

<script src="js/BeatPicker.js"></script>

You have two options to create BeatPicker:

Declarative syntax using data api:

Read more about declarative syntax [here](http://act1gmr.github.io/BeatPicker/docs.html#declarative)

<input type="text" data-beatpicker="true">

Programmatically syntax using new operator:

var options = {dateInputNode:$(".my-input")}

var instance = new BeatPicker(options)

**declarative**

You can use declarative syntax to get rid of coding javascript to initiate your picker all of options available for declrative syntax list below:

**Get instance of date picker:**

if you define an id for your date picker this id will bind to global window object and you can access your picker if not BeatPicker will allocate an unique id for instantiated date pickers and add an attribute to date input node to specify its id

<input type="text" data-beatpicker="true" data-beatpicker-id="myDatePicker"/>

now you have a global reference to your picker using myDatePicker

**Position:**

You can apply [position options](http://act1gmr.github.io/BeatPicker/docs.html#options/view/position) using this format.

<input type="text" data-beatpicker="true" data-beatpicker-position="['right','bottom']">

**Disabling rule:**

You can apply [disabling rules](http://act1gmr.github.io/BeatPicker/docs.html#options/disablingRules) using this format.multiple rule using comma separated object pass.

<input type="text" data-beatpicker="true" data-beatpicker-disable="{from:[2014 , 2 , 2],to:[2014 , 3 , 7]},{from:[2014 , 5 , 3],to:[2014 , 7 , 4]}">

**Range:**

To enable range mode you just have to pass a true to 'data-beatpicker-range' if you want [range disable selection to available](http://act1gmr.github.io/BeatPicker/docs.html#options/selectionRule/rangeDisableSelect) using comma and pass another true

<input type="text" data-beatpicker="true" data-beatpicker-range="true,true">

**Disabling rule:**

You can apply [disabling rules](http://act1gmr.github.io/BeatPicker/docs.html#options/disablingRules) using this format.

<input type="text" data-beatpicker="true" data-beatpicker-disable="{from:[2014 , 2 , 2],to:[2014 , 3 , 7]},{from:[2014 , 5 , 3],to:[2014 , 7 , 4]}"]">

**Date Format:**

You can apply [date format](http://act1gmr.github.io/BeatPicker/docs.html#options/dateFormat) using this format.comma separated properties:first format of your desire second your date separator.

<input type="text" data-beatpicker="true" data-beatpicker-format="['YYYY','MM','DD'],separator:'/'" />

**Disabling module:**

You can disable module listed [here](http://act1gmr.github.io/BeatPicker/docs.html#options/modules) using comma separated props.everything you mentioned in this data api will be disable.

<input type="text" data-beatpicker="true" data-beatpicker-module="today,clear" />

**Objective options**

After all if you need any options that is not available in declarative syntax you can create a global object and pass it to BeatPicker like this.

Javascript

customOptions = {

labels: {

today: "Tod",

gotoDateInput: "Insert your date",

gotoDateButton: "Set",

clearButton: "Wipe"

}

}

Markup

<input type="text" data-beatpicker="true" data-beatpicker-position="['\*','\*']" data-beatpicker-extra="customOptions"/>

**options**

Options in BeatPicker categorized and decoupled from main stream for related topics like :'view,selectionRule,modules,...'  
You can create an object that represent your options and pass it to BeatPicker constructor first argument.like:

var options = {

view : {

position:['\*','\*']

},

disablingRule : [ {from:[2014,1,1] , to :[2014,2,2]} , {from:'\*' , to :['\*',2,'\*']} ]

}

var myInstance = new BeatPicker(options);

**dateInputNode**

**Mixed** HTML element|jQuery object **Null**  
Date input html element to binding date picker on it.

**pickerNode**

**Array** jQuery object **Null**  
When date picker getting initiated this property is a reference to jQuery object of beatpicker main html node.

**daysSimple**

**Array** Primitive array **["Su" , "Mo" , "Tu" , "We" , "Th" , "Fr" , "Sa"]**  
Brief days of the week alias using in date picker.

**daysFull**

**Array** Primitive array **[]**  
Full days of the week alias using in date picker.

**monthsSimple**

**Array** Primitive array **["Jan" , "Feb" , "Mar" , "Apr" , "May" , "Jun" , "Jul" , "Aug" , "Sep" , "Oct" , "Nov" , "Dec"]**  
Brief months of the year alias using in date picker.

**monthsFull**

**Array** Primitive array **["January", "February", "March", "April", "May", "June", "July", "August", "September", "October", "November", "December"]**  
Full months of the year alias using in date picker.

**startDate**

**Mixed** Array|String|Object **Now system time base local GMT**

* Array:Simple array like : [2014 , 12 , 30]
* String:Simple array like : [2014 , 12 , 30]
* Object:Correspond javascript Date object

**currentDate**

**Object** Date Object **Exactly equal to startDate**  
All of date changing in date picker is based on this property and it represent current state of date in date picker. Every time you seek around date picker and change date this property will set to correspond date.

**dateFormat**

**Object** BeatPicker Object

**{**

**separator: "-",**

**format: ["YYYY" , "MM" , "DD"]**

**}**

Date formatting object all formatting is base on this object

**separator**

**String** Primitive string **-**   
A string that separate date format you can use any separator that you feel its satisfy your needs like : - , / , SEP , ...

**format**

**Array** Primitive array **["YYYY" , "MM" , "DD"]**  
An array that input date will format base on that. Options You can use different formatting below:

["DD" , "MM" , "YYYY"]

["MM" , "DD" , "YYYY"]

["DD" , "NM" , "YYYY"]

["YYYY" , "MM" , "DD"]

**modules**

**Object** BeatPicker object

**modules: {**

**header: true,**

**footer: true,**

**daysOfTheWeek: true,**

**navBar: true,**

**today: true,**

**gotoDate: true,**

**icon: true,**

**clear: true**

**}**

An object that define enable modules using in date picker.

**header**

**Boolean** Primitive boolean **true**  
Header module of date picker it wrap navBar module also then when you disable this you have to expect,navBar module will getting disabled too

**footer**

**Boolean** Primitive boolean **true**  
Footer module of date picker it wrap gotoDate and today module also then when you disable this you have to expect,gotoDate and today will getting disabled too

**daysOfTheWeek**

**Boolean** Primitive boolean **true**  
A module that represent alias of days in a week.

**navBar**

**Boolean** Primitive boolean **true**  
Date picker take advantage of navbar to change current date and switch to other unity like : days,months,years. when you change date using navbar components it aware you with 'change' event if you registered on it.also it set currentDate property to current changed date

**today**

**Boolean** Primitive boolean **true**  
A button that go to current date of system.

**gotoDate**

**Boolean** Primitive boolean **true**  
A module that take string input and change the currentDate in following rules:

* Only year inserted(eg:1999,2001,201,1,...):view of date picker will change to 'years' mode.date will set to inserted year.date picker will update with years view
* Only year and month inserted(eg:1999/2,2001/5,201/1,1/9,...):view of date picker will change to 'months' mode.date will set to inserted year and month.date picker will update with months view
* year,month and day inserted (eg:1999/3/1,2001/6/27,201/4/2,1/1/1,...):view of date picker will change to 'days' mode.date will set to inserted year , month and days.date picker will update with days view

**icon**

**Boolean** Primitive boolean **true**  
Icon inside date inputs.

**clear**

**Boolean** Primitive boolean **true**  
Clear selected date both in range and single mode also fire 'clear' event.

**selectionRule**

**Object** BeatPicker object

**selectionRule: {**

**single: true,**

**range: false,**

**rangeDisableSelect: false**

**}**

An object that define a selection rule switch between single and range mode.

**single**

**Boolean** Primitive boolean **true**  
Initiate BeatPicker in single date input mode it has inverse relation with range property.

**range**

**Boolean** Primitive boolean **true**  
Initiate BeatPicker in rang date input mode it has inverse relation with single property. If this property set to 'true' another input will generate and append across default input to represent from date input.

**rangeDisableSelect**

**Boolean** Primitive boolean **false**  
By default if you want select between some range and on that range you defined a disable rule that make at least one date to getting disable this range cannot be apply to input eg:

Assume : from : 2014-01-02 , to:2014-01-04 is disable  
from:2014-01-01 , to:2014-01-07 is invalid range because of applied disabling rule.you can override this behaviour by set this field to true.

**view**

**Object** BeatPicker object

**view: {**

**display: "days",**

**alwaysVisible: false,**

**position: ["bottom" , "left"],**

**showOn: "click",**

**hideOn: "click",**

**isInputIsReadonly: true,**

**iconImage: "data:image/jpeg;base64,"**

**}**

Using this object to control view of date picker.

**display**

**String** Primitive string **"days"** By default first view of date picker set to days.you can change this behaviour using following options:

Options

* days
* months
* years

**alwaysVisible**

**Boolean** Primitive boolean **false**  
Showing date picker always or not

**position**

**Array** String | Integer **["bottom" , "left"]**  
Position date picker relative to date input.you can use following options to position as your desire:

Options:

**Note:'\*' means auto**

["top" , "left"]

["top" , "middle"]

["top" , "right"]

["right" , "top"]

["right" , "middle"]

["right" , "bottom"]

["bottom" , "right"]

["bottom" , "middle"]

["bottom" , "left"]

["left" , "bottom"]

["left" , "middle"]

["left" , "top"]

["top" , "\*"]// \* means auto

["right" , "\*"]

["bottom" , "\*"]

["left" , "\*"]

["\*" , "\*"]//auto position

[Number , Number]//[x,y]relative to top left corner of the date input

**showOn**

**String** Primitive string **'click'**  
Show date picker on this event.

**hideOn**

**String** Primitive string **'click'**  
hide date picker on this event of document.

**isInputIsReadonly**

**Boolean** Primitive boolean **true**  
Is date input have to be read only or note?

**iconImage**

**String** Base64 encoded image data | Image src   
pass a base64 encoded image data or src of image to insert your desire icon inside of date input

**labels**

**Object** BeatPicker object

**labels: {**

**today: "Today",**

**gotoDateInput: "YYYY/MM/DD",**

**gotoDateButton: "GO",**

**clearButton: "Clear"**

**}**

Labels used around date picker.

**today**

**String** Primitive string **'Today'**  
Today button label.

**gotoDateInput**

**String** Primitive string **'YYYY/MM/DD'** Placeholder of gotoDate module.

**gotoDateButton**

**String** Primitive string **'GO'**  
Button label of gotoDate module.

**clearButton**

**String** Primitive string **'Clear'**  
Clear button label

**disablingRules**

**Array** Object **[]**  
Useful option for disabling specific range.you can use following options to satisfy your needs (all option explained as example):

Options:

**Note: date format of array is : 'YYYY,MM,DD'**

* From date to date disable:
* [{from:[2014,1,1],to:[2014,2,4]}]
* Disable any date after specific date:
* [{from:[2014,1,1],to:'>'}]
* Disable any date before specific date:
* [{from:[2014,1,1],to:'<'}]
* Disable any days of the specific month from specific date
* [{from:[2014,1,1],to:[2014,2,'\*']}]
* Disable any days of specific month of any year from specific date
* [{from:[2014,1,1],to:['\*',2,'\*']}]
* Disable specific day of specific month of any year from specific date
* [{from:[2014,1,1],to:['\*' , 2 , 2]}]
* Disable any day of any month of specific year from specific date
* [{from:[2014,1,1],to:[2014 , '\*' , '\*']}]
* Disable any day of any month of specific year from specific date
* [{from:[2014,1,1],to:[2014 , '\*' , '\*']}]
* Disable any day of specific month of any year from any date
* [{from:'\*',to:['\*' , 2 , '\*']}]
* Disable specific day of any month of any year from any date
* [{from:'\*',to:['\*' , '\*' , 2]}]
* Disable specific day of any month of any year from any date
* [{from:'\*',to:['\*' , '\*' , 2]}]
* Disable specific day of specific month of any year from any date
* [{from:'\*',to:['\*' , 2 , 2]}]
* Multiple disabling rules
* [{from:[2014 , 2 , 2],to:[2014 , 3 , 7]},{from:[2014 , 5 , 3],to:[2014 , 7 , 4]}]

Note that when you use this format you have to aware of disabling priority what that means is  
if you have a rule that interfere with another rule you have to know that first rule have high priority to apply here is an example: Assume : from:2014-01-01 , to : 2014-01-10 && from : 2014-01-05 , to : 2014-01-08 is your disabling rule  
what you have to expect is that your first rule (from : 2014-01-01 , to : 2014-01-10) have higher priority than second rule(from : 2014-01-05 , to : 2014-01-08)  
then you have disable date from : 2014-01-01 , to : 2014-01-10

**events**

Eventing in BeatPicker implemented as pub-sub messaging system.all things you have to do is  
first get appropriate instance of BeatPicker object then subscribe on a desired topic and gets notify when any news is out there here is simplest form example:

<input type="text" data-beatpicker="true" data-beatpicker-id="myDatePicker"/>

myDatePicker.on("select", function (data) {

console.log(arguments);

});

**select**

**Object**  
This event will fire when a date selected both in range or single mode.  
if in range mode you will get specific callback object argument that have info about both from and to date selection.  
otherwise you will get simple selected date object in single mode.

**change**

**Object**  
Any change in date will notify client using this event. Having currentDate in object argument of callback.

**show**

**NONE**  
Fire when date picker getting show.no arguments in callback.

**hide**

**NONE**  
Fire when date picker getting show.no arguments in callback.

**clear**

**Object**  
This event will fire when a date selected both in range or single mode.  
if in range mode you will get specific callback object argument that have info about both from and to date selection.  
otherwise you will get simple selected date object in single mode.

**methods**

**show**

**None** **Undefined**  
Show date picker programmatically.

**hide**

**None** **Undefined**  
Hide date picker programmatically.

**today**

**None** **Undefined**  
Will go today.

**reset**

**None** **Undefined**  
Reset selected date programmatically.

**setDate**

**Mixed** String | Date object **Undefined**  
Set currentDate of date picker programmatically.  
Format:  
Any date string that Date.parse will accept.using this reference to see ISOs [Date.parse()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date/parse).  
Also any Date object is acceptable as argument.

**selectRangeOfDate**

**Mixed** String | Date object , **Mixed** String | Date object **Undefined**  
Select range of date from start to end programmatically.  
Format:  
Any date string that Date.parse will accept.using this reference to see ISOs [Date.parse()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date/parse).  
Also any Date object is acceptable as argument.

**selectDate**

**Mixed** String | Date object **Undefined**  
Select a date of date picker programmatically.  
Format:  
Any date string that Date.parse will accept.using this reference to see ISOs [Date.parse()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date/parse).  
Also any Date object is acceptable as argument.

**setPos**

**Mutli and Mixed** (HTML element , Object) **Undefined**  
Set beat picker position relative to specific custom selected element.  
Position object:  
You can use plain object like '{x:2 , y:3}' in px unit set you desired position relative to left corner of any element.

**isHide**

**None** **Boolean**  
Check if date picker is hide or not.

**isDisable**

**Mixed** (String | Date object) **Boolean**  
Check if specific date match to your defined disabling rule or not. Format:  
Any date string that Date.parse will accept.using this reference to see ISOs [Date.parse()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date/parse).  
Also any Date object is acceptable as argument.

**getPickerNodes**

**None** **Array** Get array of jQuery objects.if in range mode second indice of array will be to input node.

**getSelectedStartDate**

**None** **Null | Date object**  
In range mode you will get start date of the range using this method.

**getSelectedEndDate**

**None** **Null | Date object**  
In range mode you will get end date of the range using this method.

**getSelectedDate**

**None** **Null | Date object**  
In single mode you get selected date using this method.

**getCurrentDate**

**None** **Date object** Get current date of date picker.