DATEPICKER

For UnityUI

USER GUIDE

V1.00 (August 2016)

To view the latest online version of this document, visit

http://www.digital-legacy.co.za/DatePicker/Documentation

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INTRODUCTION

DatePicker is a powerful control for date selection using the UnityUI.
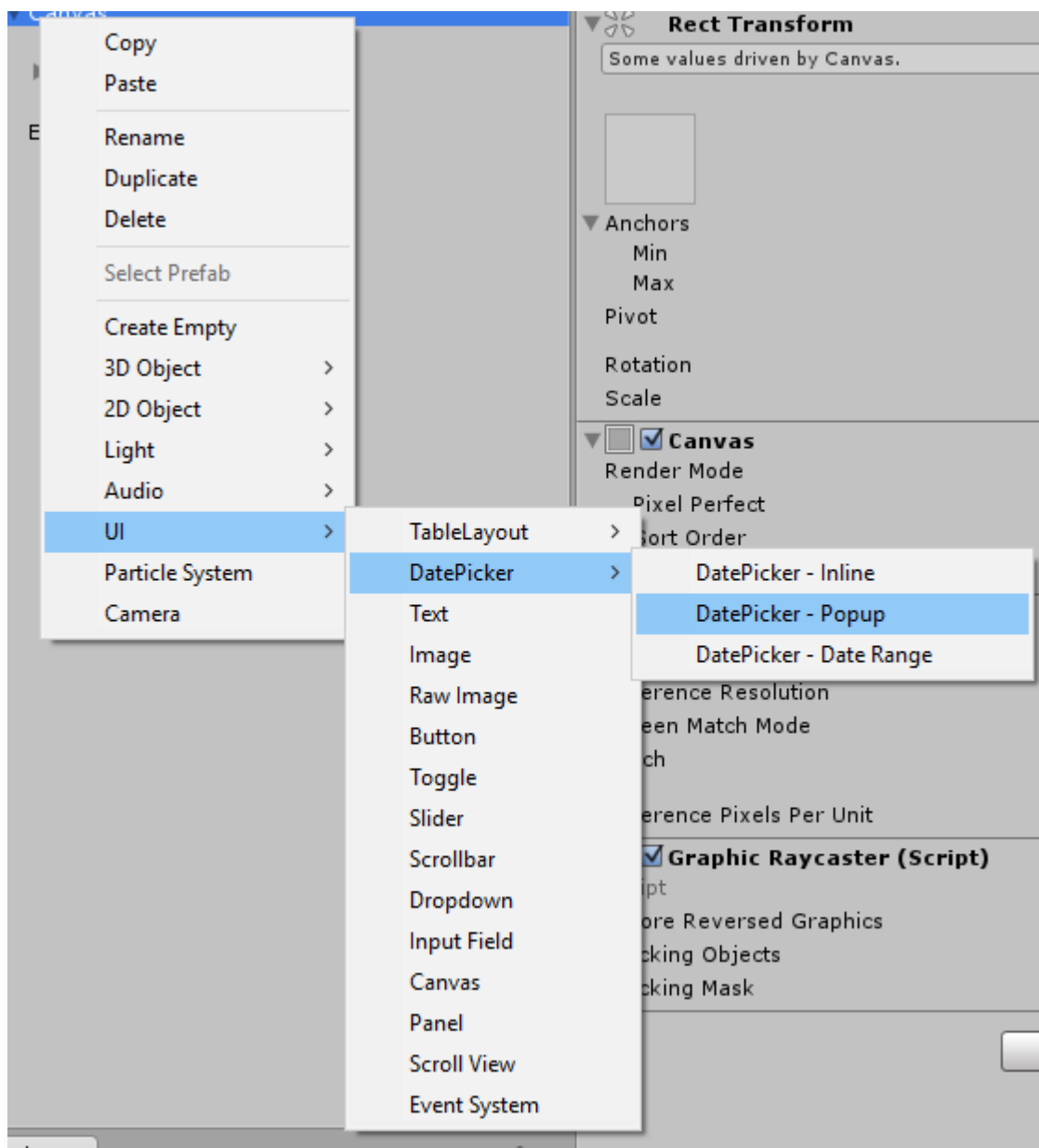
Features:

- Use inline or popup DatePicker controls

- Select either a single date, or a date range.

- Highly customiseable appearance and functionality.

WORKING WITH DATEPICKER

ADDING A NEW DATEPICKER

To add a new DatePicker object, right-click the desired location in the hierarchy window, and select
UI -> DatePicker -> (Prefab of your choice).

Add New DatePicker

The various prefabs each have their own intended purpose:

- **DatePicker - Inline** : This is a DatePicker which is always visible.

- **DatePicker - Popup** : This is a DatePicker which is attached to an InputField. The DatePicker is hidden except when being used to select a date. It will automatically be positioned relative to the InputField (by default, it will appear below it, unless there is not enough space on the Canvas in which case it will appear above it).

- **DatePicker - Date Range** : This prefab combines two Popup DatePickers which allow users to select a date range.

The DatePicker Component

The DatePicker Component

- **Force Update**

  Under normal circumstances, the DatePicker will automatically update whenever any changes are made to any of its properties. However, if this does not occur, you can force an update by clicking this button at any time.

- **Selected Date**

  This is the date which is currently selected by this DatePicker - this can be null. You can use the in-editor DatePicker button to select a date, and you can clear the selected date by clicking the 'X' button.

- **Visible Date**

  This is the date which is currently visible in this DatePicker - use this value to specify which year/month are shown in the DatePicker (the day is irrelevant). By default, this date will match the selected date, although this behaviour can be changed by the Misc -> Switch To Selected Date When Date Selected

- **Misc**

  - **Switch To Selected Month When Date Selected**

    If this value is set, whenever a date is selected in the DatePicker, the Visible Date will be updated to match. What this ultimately means is that when a date is selected in a month other than the currently visible month, then the DatePicker will automatically switch to that month.

  - **Show Dates In Other Months**

    If this value is set, then dates that do not fall within the current month will be shown on the DatePicker if the month does not start on the first day of the week, and/or does not end on the last day of the week.

  - **Close When Date Selected**

    If this value is set, then the DatePicker will automatically be hidden when a date is selected. This is mostly useful for popup DatePickers.

- **Sizing**

  o **Override Transform Height**

    By default, the height of the DatePicker will be determined as the height of its RectTransform. If, however, you wish to control it manually here, then you can set this option.

  o **Preferred Height**

    This is the height you wish the DatePicker to be if 'Override Transform Height' is set.

- **Modal**

  o **Is Modal**

    If this is set, then an overlay will be shown beneath the DatePicker, preventing the user from interacting with anything other than the DatePicker.

  o **Close When Modal Screen Overlay Clicked**

    If this is set, then the DatePicker will be hidden if the screen overlay is clicked.

  o **Screen Overlay Color**

    This allows you to specify the color of the screen overlay.

- **Date Range**

  o **Restrict From Date**

    If this is set, then the user will be unable to select any dates prior to 'From Date'

  o **From Date**

    The date restriction for 'Restrict From Date'

  o **Restrict To Date**

    If this is set, then the user will be unable to select any dates after 'To Date'

  o **To Date**

    The date restriction for 'Restrict To Date'

- **Format**
  - **Date Format**

    This specifies the format of the selected date within the Input Field (if there is one) and within the editor fields. This is a standard DateTime format. For details on different date formats, see [this page](#) and [this page](#).

- **Border**
  - **Size**

    This specifies the size of the border for the DatePicker (0 indicates that no border should be visible). You can specify the border size for each side individually.

  - **Color**

    This specifies the color of this DatePicker's border.

- **Header**

  The header is the part of the DatePicker which shows the currently visible year/month, as well as the optional next/previous month and year buttons.

  - **Show Header**

    If this property is not set, then the header will not be visible.

  - **Background Color**

    This property controls the background color of the header.

  - **Text Color**

    This property controls the text color of the header.

  - **Font**

    This property specifies which font should be used for the header.

  - **Height**

    This property specifies the height of the header.

  - **Previous Month Button / Next Month Button / Previous Year Button / Next Year Button**

    These properties control the appearance of the respective buttons.

- **Week Days**

  The appearance of the week day headers is controlled by the *DatePicker -> Templates -> Day Header* object. You may modify this template directly, or simply change some of the following properties (or both):

  - **Override Template**

    If this value is not set, then none of the following properties will take effect. If it is, then the values set here will override any values set on the template.

  - **Text Color**

    This specifies the text color for the week day headers.

  - **Font**

    This specifies the font to use.

  - **Background Image**

    This specifies the background image (if any) for each of the week day headers.

  - **Background Color**

    This specifies the background color to use for the week day headers.

- **Days**

  As with the week day headers, the appearance of the days are controlled by templates - *DatePicker -> Templates -> Various Templates for each day type*. A different template is used for each day type. The day types are as follows: *Selected Day, Today (if not selected), Days that fall within the visible month (if not selected), and days that fall outside the visible month (if not selected).*

  - **Background Color**

    This controls the background color of the entire day area.

  - **Font**

    This controls the font used by all days.

○ **Current Month / Other Months / Today / Selected Day**

▪ **Override Template**

If this value is not set, then none of the following properties will take effect. If it is, then the values set here will override any values set on the template.

▪ **Text Color**

This controls the text color of this day type.

▪ **Background Image**

This controls the background image of this day type (if any).

▪ **Normal Color**

This sets the default background color of this day type.

▪ **Highlighted Color**

This sets the background color of this day type when it is highlighted (by hovering the mouse over it or otherwise selecting it).

▪ **Pressed Color**

This sets the background color of this day type as it is pressed.

▪ **Disabled Color**

This sets the background color of this day type when it is disabled (e.g. if it falls outside of the available date range).

▪ **Color Multiplier**

This controls the intensity of the color changes - the default value of 1 is reccomended.

▪ **Fade Duration**

This controls how long the color changes will take to fade into one another, a value of 0 will remove the fading entirely and make all changes instant.

- **Animation**
    - o **Show Animation**

        This specifies which animation (if any) should be used when the DatePicker is shown.

    - o **Hide Animation**

        This specifies which animation (if any) should be used when the DatePicker is hidden.

    - o **Month Changed Animation**

        This specifies which animation (if any) should be used when the visible month is changed in the DatePicker. This animation will only affect the days and the week day headers.

- **Input Field**

    The following properties are only relevant if this DatePicker is attached to an InputField (popup DatePickers)

    - o **Toggle Display When Input Field Clicked**

        This this is set, then the DatePicker will be shown/hidden when the InputField is clicked.

    - o **Show Toggle Button**

        This property controls whether or not the Toggle button should be displayed.

    - o **Toggle Button Width**

        This property controls the width of the Toggle button.

- **Events**
    - o **On Day Selected**

        You can use this property to trigger events when a date is selected in the DatePicker. The selected date will be passed as an argument (as a DateTime object).

    - o **On Day Mouse Over**

        You can use this property to trigger events when the mouse is hovered over a date in the DatePicker. The date will be passed as an argument (as a DateTime object).

THE DATEPICKER_DATERANGE COMPONENT

The DatePicker_DateRange component controls two child DatePicker components, allowing the user to select a Date Range (and preventing them from selecting an invalid one).

The configuration of this component is basically identical to a regular DatePicker, except that the configuration changes are applied to both child DatePicker components instead of having to configure them individually.