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UiPath Interactive Activities 1.3

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What's in the box?

**Display
Message**

**Windows
Notification**

Progress Bar

**Information
Panel**

**Display
HTML**

**Display
Image**

**Progress
Color**

**Close By
Handle**

About Interactive Activities

Primary Use Cases

- Informing user about process status
- Progress indicator on long-running task
- Error messages
- Pausing/Stopping running process

Activity Pack Traits

- Asynchronous, runs in parallel with process execution
- Configurable but attempts to be easy and forgiving
- User32.dll HWND/Messages

V1.3 April 2020 release

Release notes

- **New:**
 - Safe Filename – generate safe filename from string
 - New display mode for Display Message
- **Improved**
 - Display Message now could be configurably transparent
 - Display Message is now transparent for events (you could click through it)
 - Progress Bar now supports configurable text display
 - New positions (Top Center and Bottom Center) are added
- **Fixes:**
 - Bugfixes and some cleanup

V1.2 January 2020 release

Release notes

- **New:**
 - Display HTML – display HTML from string (without loading it from the file)
 - Display Image – display picture/animation from Image object
- **Improved**
 - Activities UI is now collapsible on the Studio canvas
 - Added icons and properties to Activities UI where missing
 - Information Panel scales with the messages text
- **Fixes:**
 - Bugfixes and some cleanup

V1.1 September 2019 release

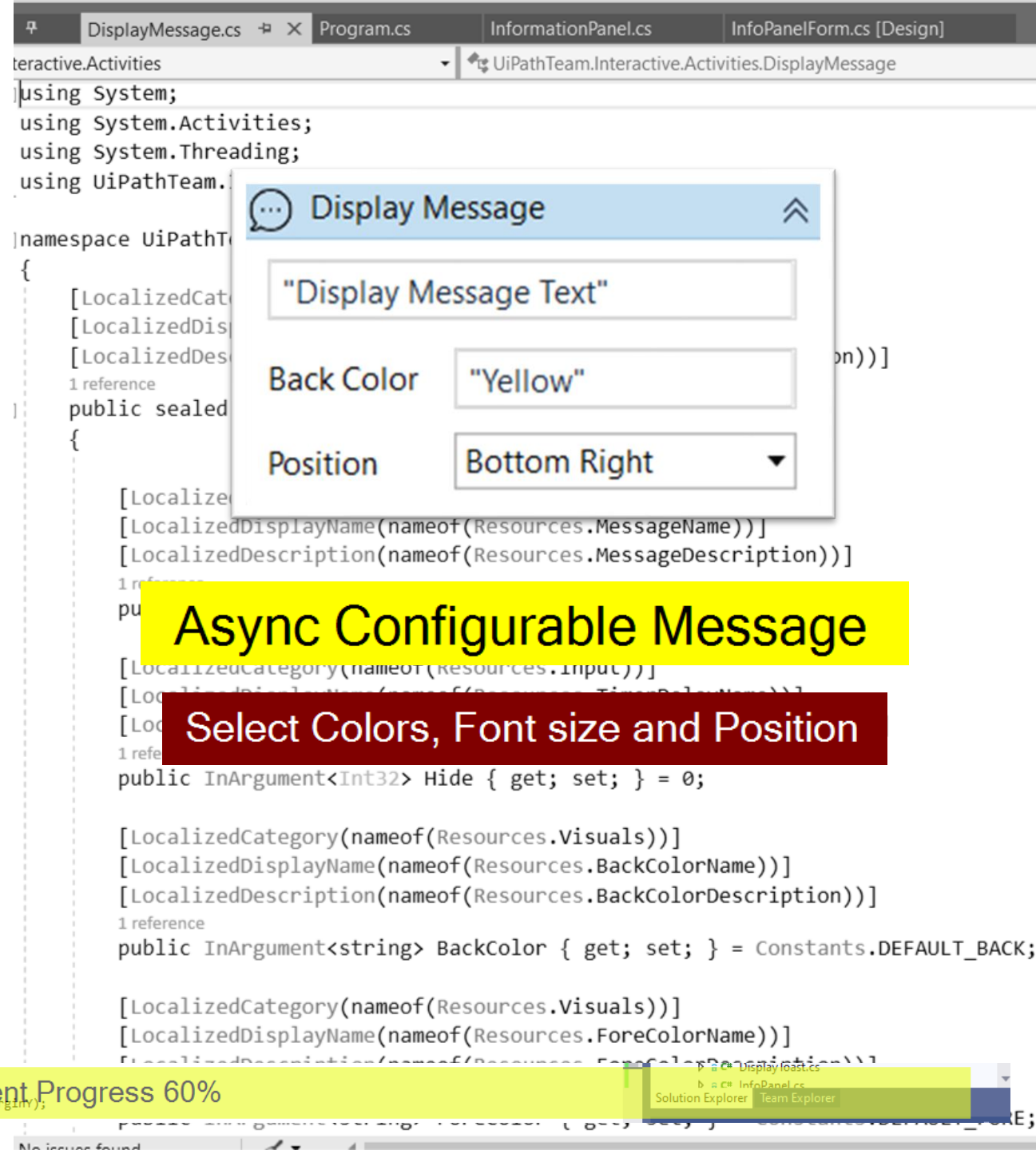
Release notes

- **New:**
 - Information Panel – show process information and allows user to Pause/Stop it
 - Progress Color – gives a color in range from Red to Green based on Value argument
- **Improved**
 - Windows Notification activity
 - Progress Bar activity
 - Test UiPath project to demonstrate new functionality
- **Fixes:**
 - Removed activity: Update Message – it was duplicating functionality in main activities
 - Bugfixes and some cleanup

Display Message

Features

- New Style in 1.3: long semi-transparent bar
- Configurable:
 - Background color
 - Font color
 - Font size
 - Opacity
 - Position (out of 7 predefined)
- Could disappear after delay
- Transparent for User Events (could be clicked through)



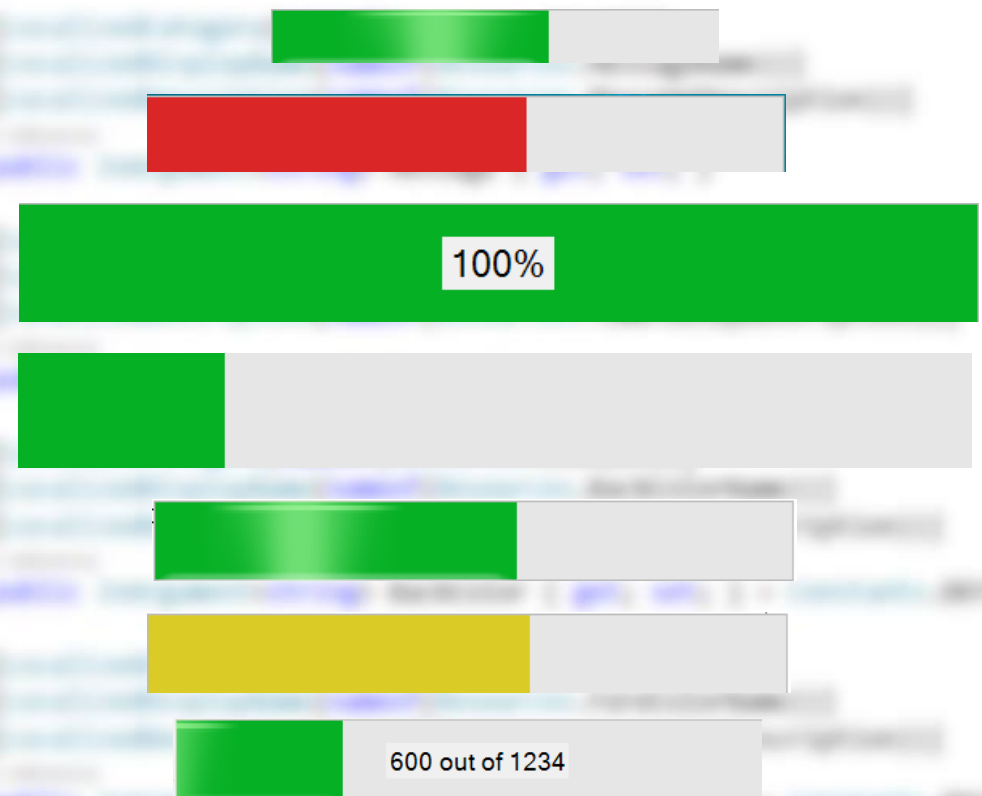
Display Message Arguments

Argument	Type	Description
Hide After	Int32	Hides a Message window after timeout specified in milliseconds
Message	String	Message to be displayed. Does not wrap
Handle	Int	HWND of the Display Message window. Used to reference the window when it has to be updated or closed. If the value is not initialized on the start of the activity new window is created and its handle returned
Opacity	Int	From 0 to 1
New Style	Bool	Support style switch

Progress Bar

Features

- Windows system component
- Three types: Green/Yellow/Red
- Progress from 0 to 100
- Show/Hide label (v1.1)
- 7 Positions (v1.3)
- Three sizes: S, M, XL (v1.1)
- Label now supports templates:
{0} – current %, {1} current value, {2} – min value, {3} – max value (v1.3)



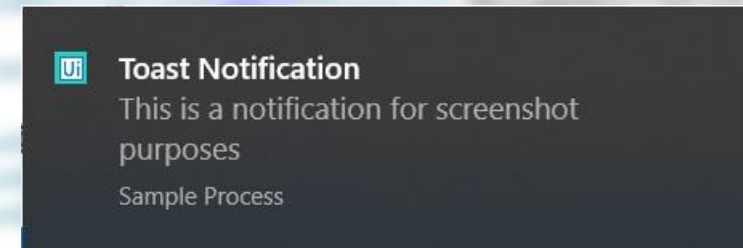
Windows Notification (Toast)

Features

- Windows Notification
- Users UiPath Robot AUMID (Application User Model ID)
- Configurable:
 - Title
 - Message
 - Origin (v1.1)
 - Notification (v1.1)
- Could provide toast XML manually for hardcore stuff (v1.1)



A screenshot of the 'Display Toast' configuration window in UiPath. The window has a light blue header with a menu icon and an up arrow. It contains two text input fields: 'Title' with the value 'Toast Notification' and 'Message' with the value 'This is a notification for screenshot purpo'. The background shows a blurred UiPath interface.

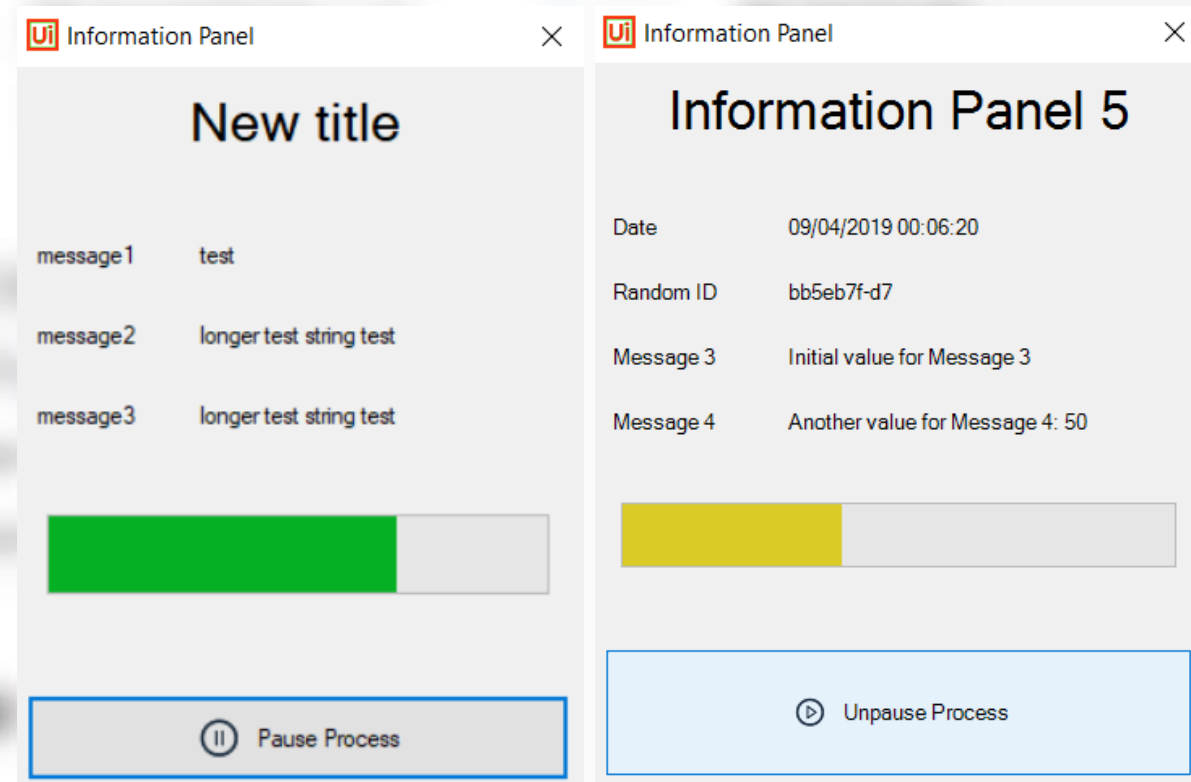
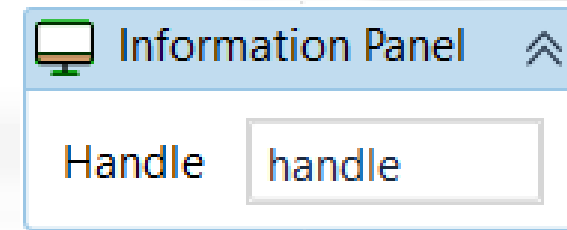


**NOT GUARANTEED
TO WORK ON
EVERY INSTALL**

Information Panel

Features

- Displays process info and progress
- Process commands
 - Close
 - Pause
- Configurable:
 - Title
 - List of messages
 - Progress bar
 - Button text



Display Image (v1.2)

Features

- Displays an image object
- Could use Load Image as input
- Configurable:
 - Scale
 - Position (out of 5 predefined)
- Could disappear after delay
- Could display animated GIFs
- Clicking on image toggles TopMost property



Display HTML (v1.2)

Features

- Displays HTML content from string (instead of “Custom Input” file)
- Could center HTML
- Scrollbars could be enabled or disabled
- Customizable width, height and position

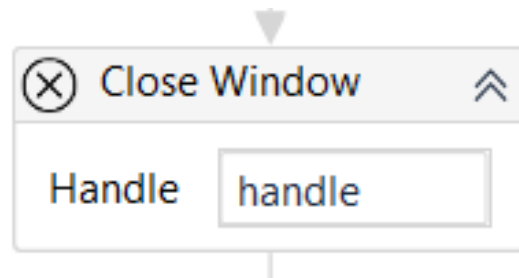


```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-w
    <meta http-equiv="X-UA-Compatible" content="i
    <title>Accessible Star Rating Example</title>
    <link rel="stylesheet" href="style.css">
    <link href="https://www.cssscript.com/wp-incl
    <style>
      body { background-color: #fafafa; }
      .container { margin: 150px auto; max-width:
```

Helper Activities

Close By Handle

- Kills any active window by its HWND
- Could be used to hide Display Message, Progress Bar or Info Panel



Safe Filename

- Generates filename from string by removing invalid characters

Progress Color

Based on value from 0 to 100 gives a color from Red to Green. Could be used for showing text progress bars

Current Progress 10%

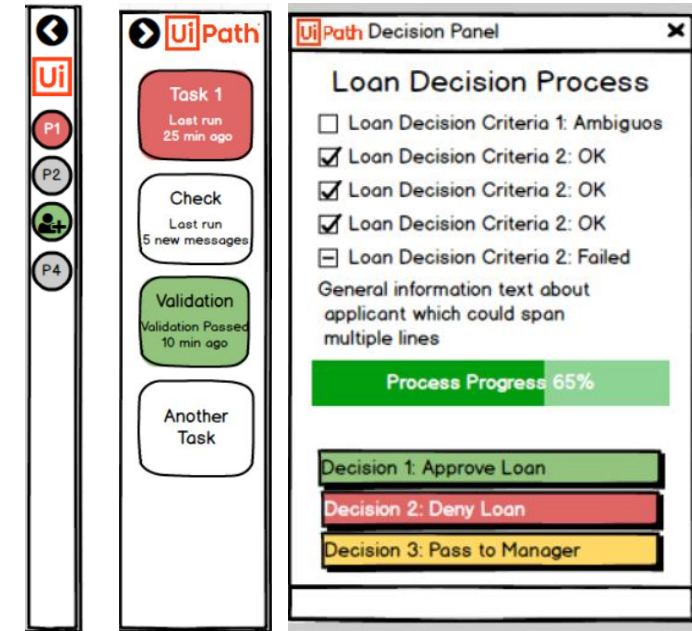
Current Progress 55%

Current Progress 70%

Ideas for future development

Your feedback would be appreciated!

- Show messages from another UiPath machine
- More components
- Better design
- UWP instead of Windows Forms
- Full use of Windows Notification capabilities (entering info, action buttons)
- ...?



Spasibo!



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