Example: Bardcodes

Any image/photo entering the Free Form language computational container is immediately processed for:

- Any faces? if yes, highlight and cutout the facial regions and compute them (their properties).
- Any barcodes or qr-codes? if yes, highlight the barcode regions and read them.
- Any texts? if yes, OCR the image.
- Add the necessary post-processing e.g. image annotations
- Finally collect at the resulting metadata tags and contents (to be hashed) ⚲ and URL export as String


```
//symbol to process barcodes and qrcodes;
□□□□□□□□;□□□□□□□□

□□;

//add name and other information;
□□ (
□□"first name"->"dara"
□□"last name"->"shayda"
);

show "□□□□□□□□/index□";

show "□□□□□□□□/barcodes";
```

```
save as blox_qr;
```

Output

"□□□□□□□□□□□□□/index"

"□□□□□□□□□□□□□/bartexts"

{"065656915641", "065515000037", "9771468413022", "037000377085", "8435039118747"}

Blockchain Certificate

"□ /certificate" (trimmed text)

https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxberg2/cert_json/ff_free_blox_qr.json

There are currently 4 default mandatory items inside the hash list or the CRID and you can obtain the barcode related ones

Scanned bars as above

https://www.wolframcloud.com/obj/ccn2/freeform/ff/images/ff_free_blox_qr_bars.png

JSON containing if any other OCR texts computed from the image

https://www.wolframcloud.com/obj/ccn2/freeform/ff/images/ff_free_blox_qr_imagetext.json

See the bounding box JSON below addresses as "_boxes"

https://www.wolframcloud.com/obj/ccn2/freeform/ff/images/ff_free_blox_qr_boxes.json

The String values for the barcodes and the qrcodes

https://www.wolframcloud.com/obj/ccn2/freeform/ff/images/ff_free_blox_qr_barcodebox.json

"□□□□□□□□□□□□□□/⚲"

"⚲\"https://www.wolframcloud.com/obj/ccn2/freeform/ff/images/ff_free_\blox_qr_bars.png\"⚲\"https:

qr-codes or bar-codes bounding box scanning area

Any geometrical information pertinent to full understanding and computational access for a region of an image or a recognized object is computed and place in appropriate JSON structures.

"□□□□□□□□□□□□□□/boxes"

[

□

□

4.295e2,

7.305e2

□

□

8.395e2,

9.105e2

□

□

□

□

1.395e2,

3.925e2

□

[

2.745e2,

8.205e2

],

[

9.805e2,

3.085e2

],

[

9.855e2,

5.805e2

],

[

1.1775e3,

5.555e2

],

[

1.2515e3,

9.075e2

],

[

[

[

1.565e2,

2.285e2

],

[

6.365e2,

2.395e2

],

]

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