Red/View□□□□□□□□□□

□□

1. □□□□□□□

Red/View□□□□□□View□□□□□□□□□□□□□□□□□□Red□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

- □□□□□□□□□□□API
- □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□□□□□□□□□□□□□□□□
- OS□□□□□□□□□□□□□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□□□□□□□□

□□

2. □□□□□□□□□□

□□□□□□□□□□□ `face!` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□*(facet)* □□□□□□□

□□□□□□□□□□□□□□:

□□□□□	□□□□	□□	□□□□	□□
type	word!	□□	□□	□□□□□□□□□□□□□□□□□ (□□□□□)
offset	pair!	□□	□□	□□□□□□□□□□□□□□□□
size	pair!	□□	□□	□□□□□□□□
text	string!	□□□	□□	□□□□□□□□□□□□□□□□□
image	image!	□□□	□□	□□□□□□□□□□□□□□□□□□□□□□□
color	tuple!	□□□	□□	R.G.B□□□R.G.B.A□□□□□□□□□□□□□□□□□□□□□□□
menu	block!	□□□	□□	□□□□□□□□□□□□□□□□□□□
data	any-type!	□□□	□□	□□□□□□□□□□□□□
enable?	logic!	□□	□□	□□□□□□□□□□□□□□□□□
visible?	logic!	□□	□□	□□□□□□□□ □□□
selected	integer!	□□□	□□	□□□□□□□□□□□□□□□□□□□□□

□□□□□	□□□□	□□	□□□□	□□
flags	block!, word!	□□□	□□	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
options	block!	□□□	□□	[name: value]□□□□□□□□□□□□□□□□□□□□
parent	object!	□□□	□□	□□□□□□□□□□□□□□□□□□□□□□□□□
pane	block!	□□□	□□	□□□□□□□□□□□□□□□□□□□□□□□
state	block	□□□	□□	□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□
rate	integer!, time!	□□□	□□	□□□□□□□□□□integer□□□□□□□□□□□□time□□□□□□□□□□□□□□□□none□□□□□□□□□□□
edge	object!	□□□	□□	□□□□□□□□□□□□□□□□
para	object!	□□□	□□	□□□□□□□□□□□Para□□□□□□□□□
font	object!	□□□	□□	□□
actors	object!	□□□	□□	□□□□□□□□□□□□□□□□□
extra	any-type!	□□□	□□	□□
draw	block!	□□□	□□	□□□□□□□□□□Draw□□□□□□□□

`flags` □□□□□□□□□□□□□□□□□□:

□□□	□□
all-over	□□□ `over` □□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

Notes:

- □□□□□□□□□□□□□ `none` □□□□□□□□□
- `offset` □ `size` □□□□□□□□□□□□□□□□□□
- `offset` □ `size` □□□□□□□□□□ `none` □□□□□□□□□□□(□□□□□□□□□□□□□□□□□) □□□□□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□ color□image□text□draw □□□

□□□□□□□□□□□face!□□□□□□□□□□□□□□□□□□□ □□□□□ □□□ `type` □□□□□□□□□□□□□

```
button: make face! [type: 'button]
```

□□□□□□□□□□□□□□ `type` □□□□□□□□□□□□□□

2.1. □□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□	□□
drag-on	□□□□□□□□□□ 'down□'mid-down□alt-down□'aux-down□□□□&□□□□□□□□□□□□□□□□□

3. □□□□□□□□□□

□□□□□□□□□ font□ □□

□□□□□	□□□□	□□	□□
name	string!	□□□	OS□□□□□□□□□□□□□□□
size	integer!	□□□	□□□□□□□□□□□□
style	word!, block!	□□□	□□□□□□□□□□□□□□□□□□□□□
angle	integer!	□□	T□□□□□□□□□□□□□□0□□
color	tuple!	□□	R.G.B□□□R.G.B.A□□□□□□□□□□□□□□□□□□
anti-alias?	logic!, word!	□□□	□□□□□□□□□□□□□□□□□□□□□□
shadow	*(reserved)*	□□□	□□□□□□□□□□□□□□□□
state	block!	□□□	□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□
parent	block!	□□□	□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□

Notes:

- □□□□□□□□□□ none □□□□□□□
- angle □□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□:

- bold
- italic
- underline
- strike

□□□□□□□□□□□□□:

- □□□□ (anti-alias?: yes/no)
- □□□□□□□□ (anti-alias?: 'ClearType)

4. Para □□□□□□

Para□□□□□□ `para!` □□□□□□□□□□□□□□□□□□□□para□□□□□□1□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□para□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□	□□□□	□□
origin	□□□□	□□□□□□□□□□□□□□□□
padding	□□□□	□□□□□□□□□□□□□□□□
scroll	□□□□	□□□□□□□□□□□□□□□□
align	word!	□□□□□□□□□□□□□□□□□□□□□□□ `left`□ `center`□ `right`
v-align	□□□□	□□□□□□□□□□□□□□□□□□□□□□□: `top`□`middle`□`bottom`
wrap?	logic!	□□□□□□□□□□□□□□□
parent	block!	□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□

Notes:

- □□□□para□□□□□ `none` □□□□□□□□□□□□

5. □□□□□□□

□□

- `pane` □□□□□: □□□□□1□□□□□□□□□□□
- `parent` □□□□□: □□□□□□□□□

`pane` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□Z□□□□□□□□□□□□□□□□□□□□ `pane` □□

□□□□□□□□□□ `screen` □□□□□□ `screen` □□□□□□□ `pane` □□□□□ `window` □□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□ □□□(window□□□□□□)□□□□□(□□□□□□□□□□□□ `screen` □□□□□□□□□□□□□□□

[Face tree] | *face-tree.png*

6. □□□□□□□□

6.1. Base

`base` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `base` □□□□□□□□□ `128.128.128` □□□□□

Facet	□□
`type`	`'base`

Facet	□□
`image`	image!□□□□□□□□□□□□□□□□□□□□□□□□□
`color`	□□□□□□□□□□□□□□□□□□□□□□□□□
`text`	□□□□□□□□□□□□□□□□□□□
`draw`	Draw□□□□□□□□□□□□□□□□□□□□

Notes:

- □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□: `color`□ `image`□ `text`□ `draw`
- `color`□ `image`□ `text`□ `draw` □□□□□□□□□□□□□□tuple□□ `R.G.B.A` □□□□□□□□□□□□□□□□□□□□□ `A = 0` □□□□□□□□□□□□ `A = 255` □□□□□□□□□□□□

□□

6.2. Text

`text` □□□□□□□□□□□□□□□□

□□□□□	□□
`type`	`'text`
`text`	□□□□□□□
`data`	□□□□□□□□□□□
`options`	□□□□□□□□□□□ `default`

`data` □□□□□□□□□□□□□□□ `text` □□□□□□□□□□□□□□□□

- `text` □□□□□□ `data` □ `load` □□□ `text` □□□ `none` □□□ `options/default□□□□□□□□□□□□□□□
- `data` □□□□□□ `text` □ `data` □ `form` □□□□□□□□

`options` □□□□□□□□□□□□□□□□□□□□□

- `default` □ □□□□□□□□□□□□□□□□□□ `text` □ `none` □□□□□ `data` □□□□□□□□□□□□ `text` □□□□□□□□□□□□□□□□

6.3. Button

□□□□□□□□□□□□□

□□□□□	□□
`type`	`'button`
`text`	□□□□□□□□□□

□□□□□	□□
`image`	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□	□□□□	□□
`click`	`on-click`	□□□□□□□□□□□□□□□□□□□□□□□

6.4. Check

□□

□□□□□	□□
`type`	`'check`
`text`	□□□□□□□□
`para`	`align` □□□□□□□□□□□ `left` (□□)□□□□□□□ `right` (□□)□□□□□□□□□□□□□□
`data`	`true`: □□□□□□ `false`: □□□□□□(□□□□□□)

□□□□□□□	□□□□	□□
`change`	`on-change`	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

6.5. Radio

□□1□□□□□□□□□□□□□□□□

Facet	□□
`type`	`'radio`
`text`	□□□□□□□□
`para`	`align` □□□□□□□□□□□ `left` □□□□□□□□□□□ `right` □□□□□□□□□□□□□□□□□□□□□□□
`data`	`true`: □□□□□□ `false`: □□□□□□□□□□□□□

□□□□□□□	□□□□	□□
`change`	`on-change`	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

6.6. Field

□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□	□□
`type`	`'field`
`text`	□□□□□□□□□□□□□□□□□□
`data`	□□□□□□□□□□

□□□□□□	□□
`options`	□□□□□□□□□□□□ `default`
`flags`	□□□□□□□□□□□□□□□□□□□□□□□□block!□

□□□□□□□□□□□□

- `no-border`□ □□□□GUI□□□□□□□□□□□□□□□□□□□□□□□□□

`data` □□□□□□□□□□□□□□□□□ `text` □□□□□□□□□□□□□□□□□

- `text` □□□□□□□□ `data` □ `load` □□□ `text` □□□ `none` □□□ `options/default□□□□□□□□□□□□□□□□
- `data` □□□□□□□ `text` □ `data` □ `form` □□□□□□□□

`options` □□□□□□□□□□□□□□□□□□□□□□

- `default` □ □□□□□□□□□□□□□□□□□□□ `text` □ `none` □□□□□□ `data` □□□□□□□□□□□□□ `text` □□□□□□□□□□□□□□□□

NOTE:

- `selected` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□	□□□□	□□
`enter`	`on-enter`	Enter□□□□□□□□□□□□□□□□□□□□□
`change`	`on-change`	□□□□□□□□□□□□□□□□□□□□□
`key`	`on-key`	□□□□□□□□□□□□□□□□□□□□□

6.7. Area

□□□□□□□□□□□□□□□□□□□□□□

Facet	□□
`type`	`'area`
`text`	□□□□□□□□□□□□□
`flags`	□□□□□□□area□□□□□□□□□□□□block!□

□□□□□□□□□□□□

- `no-border`□ □□□□GUI□□□□□□□□□□□□□□□□□□□□□□□□□

Notes:

- `selected` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
- A vertical scroll-bar can appear if all lines of text cannot be visible in the area (might be controlled by a `flags` option in the future).
- area□□ `flag` □□□□□□□□□□□□□□□□□□□□

[illegible]	[illegible]	[illegible]
change	on-change	[illegible]
key	on-key	[illegible]

6.8. Text-list

[illegible]

Facet	[illegible]
type	'text-list
data	[illegible] block! hash! [illegible]
selected	[illegible] none [illegible]

[illegible]	[illegible]	[illegible]
select	on-select	[illegible] selected [illegible]
change	on-change	select [illegible] selected [illegible]

Notes:

- [illegible]

6.9. Drop-list

[illegible]

Facet	[illegible]
type	'drop-list
data	[illegible] block! hash! [illegible]
selected	[illegible] none [illegible]

data [illegible] selected [illegible] 1 [illegible] data [illegible]

[illegible]	[illegible]	[illegible]
select	on-select	[illegible] selected [illegible]
change	on-change	select [illegible] selected [illegible]

Notes:

- □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

6.10. Drop-down

□□□

Facet	□□
`type`	`'drop-down`
`data`	□□□□□□□□□□□□block! hash!□
`selected`	□□□□□□□□□□□□□□□□□□□□□□□□□none□□□□□□□□□□□□□□□□□□□□

`data` □□□ `selected` □□□□□□1□□□□□□□□□□□□□□□□`data` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□	□□□□	□□
`select`	`on-select`	□□□□□□□□□□□□□□□□□□□□□□□ `selected` □□□□□□ □□ □□□□□□□□□□□□□□□□□□□
`change`	`on-change`	`select` □□□□□□□□□□□□□ `selected` □□□□□□ □□□ □□□□□□□□□□□□□□□□□□□

Notes:

- □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

6.11. Progress

□□□□□□□□□□□□□□□□□□□□□□□□□□

Facet	□□
`type`	`'progress`
`data`	□□□□□□□percent!□□□float!□□□

Notes:

- float□□ `data` □□□□□□□□□□□□0.0□□1.0□□□□□□□□□□□□□

6.12. Slider

□□□□□□□□□□□□□□□□□□□□□□

Facet	□□
`type`	`'slider`
`data`	□□□□□□□□□□□percent!□□□float!□□

Notes:

- float□□ data □□□□□□□□□□□□0.0□□1.0□□□□□□□□□□□□□

6.13. Camera

□□□□□□□□□□□□□□□□□□□□□□□□□□

Facet	□□
type	'camera
data	□□□□□□□□□□□□□□□□□□□□□□□
selected	data □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ none □□□□□□□□□□□□□□□□□□□□□□□□□□□□□

Notes:

- data □□□□□□□□□□ none □□□□□□□□□□□□□□□□□□□□□□□□□□□□ show □□□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□ to-image □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

6.14. Panel

□□□□□□□□□□□□□□□□□□□

Facet	□□
type	'panel
pane	□□□□□□□□□□□□□□□□□□□□□□□□□□□Z□□□□□□□□□□□

Notes:

- □□□□□□ offset □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

6.15. Tab-panel

□□

Facet	□□
type	'tab-panel
data	□□□□□□□□□□□□□□□□
pane	□□□□□□□□□□□□□□□□□□□□□block!□
selected	□□□□□□□□□□□□□□□□□□□□□□none□□□□□□□□□□□□□□□□□integer!□

□□□□□□□	□□□□	□□
`change`	on-change	□□□□□□□□□□□□□□□□□□□ `event/picked` □□□□□□□□□□□□□□□□□□□□□ `selected` □□□□□□□□□□□□□□□□□□□

Notes:

- □□□□□□□□□□□□□ `data` □ `pane` □□□□□□□□□□□□□□□□□□□□□□□□□
- □□ `pane` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□□□□□□ `pane` □□□□□□□□□□□□□□□

6.16. Window

OS□□□□□□□□□□□□□□□□□□□□

Facet	□□
`type`	`'window`
`text`	□□□□□□□□string!□
`offset`	□□□pair!□
`size`	□□□□□□□□□□□□□□□□□□□□□□□□□□□pair!□
`flags`	□□□□□□□□□□□□□□□□□□block!□
`menu`	□□□□□□□□□□□□□□□□block!□
`pane`	□□□□□□□□□□□□□□□□block!□
`selected`	□□□□□□□□□□□□□□□□□□□object!□

□□□□□□□□□□□

- `modal`: □□□□□□□□□□□□□□□□□□□□□□□□□□
- `resize`: □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
- `no-title`: □□□□□□□□□□□□□□□□□□
- `no-border`: □□□□□□□□□□□□□□□
- `no-min`: □□□□□□□□□□□□□□□□□□□□□□□
- `no-max`: □□□□□□□□□□□□□□□□□□□□□□□
- `no-buttons`: □□□□□□□□□□□□□□□□□□□□□□□
- `popup`: □□□□□□□□□□□□□□□Windows□□□□

Notes:

- `popup` □□

6.17. Screen

□□

Facet	□□
`type`	`'screen`
`size`	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□pair!□
`pane`	□□□□□□□□□□□□□□□□□□□□□block!□

□□

6.18. Group-box

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□ `edge` □□□□□□□□□□□□□□□□□□□□□□□□□

Facet	□□
`type`	`'group-box`
`pane`	□□□□□□□□□□□□□□□□□□□□□□□□□Z□□□□□□□□□□

Notes:

- □□□□□□ `offset` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

7. □□□□□□□□□□□□

1. `face!` □□□□□□□□□□□□□□□□□□□□□□□□□□
2. □□□
3. `show` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
   a. □□□□□□□□□□□□□□□□□□□□□□□□
   b. `face/state` □□□□□□□□□□□□□
4. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
5. □□

Notes:

- □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `free` □□□□□□□□□□□□□

8. SHOW□□

□□

```
show <face>
```

```
<face>: face!□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□word!□□□□□□□□□□□□□□□□□□
```

□□

□□□ `state` □□ `pane` □□□□□□□□□□□□□□□□□□ `show` □□□□□□□□□□□□□□□□□□□□□

state□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `state` □□*OS□API*□□□

Position/Field	□□
1 (handle)	□□□□□□□□□□□□□□□□□OS□□□□□□□□integer!□
2 (changes)	□□□ `show` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□integer!□
3 (deferred)	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `show` □□□□□□□□□□□□□□□□□□□□□□block! none!□
4 (drag-offset)	□□pair! none!□

Notes:

- `show` □□□□□□□□□□ `changes` □□□□□□0□□□□□□□□ `deferred` □□□□□□□□□□□□□□□
- □□□□□□□□□□□OS□□□□□□□`handle!` □□□□□□□□□□

9. □□□□□□□ VS □□□□□□□□□

□□2□□□□□□□□□

- □□
- □□ `show` □□□□□□□□□□□□□□□□□□□□□□□□□□

□□2□□□□□□□□□□□□□ `system/view/auto-sync?` word□□□□□□□□□□□□□□□□□ `yes` □□ `no` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

- □□□□□□□□□□□□ `show` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□□□□□□□□□□□
- □□□
- □□□□□□□□□□□□□□□□□□□□□□

□□

Notes:

- [illegible]Rebol/View[illegible]

10. [illegible]

[illegible]series[illegible]Red[illegible]

[illegible] `field` [illegible]`text`[illegible]

[illegible]API[illegible]series[illegible]

[illegible]

```
view [
    list: text-list data ["John" "Bob" "Alice"]
    button "Add" [append list/data "Sue"]
    button "Change" [lowercase pick list/data list/selected]
]
```

11. [illegible]

11.1. [illegible]

[illegible]	[illegible]	[illegible]
down	[illegible]	[illegible]
up	[illegible]	[illegible]
mid-down	[illegible]	[illegible]
mid-up	[illegible]	[illegible]
alt-down	[illegible]	[illegible]
alt-up	[illegible]	[illegible]
aux-down	[illegible]	[illegible]
aux-up	[illegible]	[illegible]
drag-start	[illegible]	[illegible]
drag	[illegible]	[illegible]
drop	[illegible]	[illegible]
click	[illegible]	[illegible]

□□	□□□□□	□□□□
dbl-click	□□□	□□□□□□□□□□□□□□□□□□
over	□□□	□□□2□□□□□□□□□ `flags` □□□□□□ **all-over** □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
move	□□□	□□□□□□□□□□□
resize	□□□	□□□□□□□□□□□□□
moving	□□□	□□□□□□□□□□□□
resizing	□□□	□□□□□□□□□□□□□□□
wheel	□□□	□□□□□□□□□□□□□□
zoom	□□□	□□□□□□□□□□□□□□□□□□□
pan	□□□	□□□□□□□□□□□□□□□□□□□
rotate	□□□	□□□□□□□□□□□□□
two-tap	□□□	□□□□□□□□□□□□□□□□□
press-tap	□□□	□□□□□□□□□□□□□□□□□□
key-down	□□□□□	□□□□□□□
key	□□□□□	□□□□□□□□□□□□□□□□□□□□□□control□shift□munu□□□□□□
key-up	□□□□□	□□□□□□□□□□□
enter	□□□□□	Enter□□□□□□□
focus	□□	□□□□□□□□□□□□□□□
unfocus	□□	□□□□□□□□□□□□□□
select	□□	□□□□□□□□□□□□□□□□□□
change	□□	□□□
menu	□□	□□□□□□□□□□□□□□
close	□□	□□□□□□□□□□□□□□□
time	□□□□	□□□□□□□□□□□ `rate` □□□□□□□□□□□

Notes:

- □□□□□□□□Windows XP□□□□□□□□□
- 1□□□□ `moving` □□□□□□□ `move` □□□□□□□□□
- 1□□□□ `resizing` □□□□□ `resize` □□□□□□□□□

11.2. Event! □□□□

□□

`type`	(word!)
`face`	object!
`window`	object!
`offset`	pair!
`key`	char! word!
`picked`	integer! percent!wheelmenuIDword!WindowsGESTUREINFOullArguments
`flags`	block!
`away?`	`true` logic! `over`
`down?`	`true` logic!
`mid-down?`	`true` logic!
`alt-down?`	`true` logic!
`ctrl?`	CTRL `true` logic!
`shift?`	SHIFT `true` logic!

`event/flags`

- `away`
- `down`
- `mid-down`
- `alt-down`
- `aux-down`
- `control`
- `shift`

Notes:

- `type` `type`

`event/key` word

- `page-up`
- `page-down`
- `end`
- `home`
- `left`

- up
- right
- down
- insert
- delete
- F1
- F2
- F3
- F4
- F5
- F6
- F7
- F8
- F9
- F10
- F11
- F12

key-down □ key-up □□□□□□□□□□□□□□□□□□□□□□ event/key □□□□□□□□□□

- left-control
- right-control
- left-shift
- right-shift
- left-menu
- right-menu

11.3. Actors

□□□□□□□□□□□□□□□□□□□□□□□□□□□actors
□□□

□□

```
on-<event>: func [face [object!] event [event!]]

<event> : □□□□□□□□□□□□□□□□□□□□□□□□□
face    : □□□□□□□□□□□□□□□□□□□□
event   : □□□□□□
```

GUI□□ `on-create` □□□□□□□□□□□□□□□□□□□□□□□□□□□□ `on-create` □□□□□□□□□□□□ `face` □□□□□□□□

□□□

```
'stop : □□□□□□□□□□□□
'done : □□□□□□□□□□□□□□□□□□□□□
```

□□□□□□□□□□□□□□□□□□□

11.4. □□□□□□□

□□

- □□□□□□□□□□ □ □□□□□□□□□□□ □□ `□□□detect□` □□□□□□□□□□□
- □□

[Event flow] | *event-flow.png*

□□□□□□□□□□□□□□□□□□□□□□□□□

1. □□□
2. □□□□□□□□□□□□□□□□□□□□□□□
   a. □□□□□□□□□□□□□□□□□□□□□□□□ `on-dectect` □□□□□□□□□□□
   b. □□□□□□□□□□□□□□□□□□□□□ `on-detect` □□□□□□□□□□□
   c. □□□□□□□□□□□□□□□□□□□□□□ `on-detect` □□□□□□□□□□□
3. □□□□□□□□□□□□□□□□□□□□
   a. □□□□□□□□□□□□□□□□□□□□ `on-click` □□□□□□□□□□□
   b. □□□□□□□□□□□□□□□□□□□□□`on-click` □□□□□□□□□□
   c. □□□□□□□□□□□□□□□□□□□□□□□□□□ `on-click` □□□□□□□□□□□

Notes:

- □□□□□□□□□□□□□□□□□□□□□□□□□ `'done` word□□□□□□□□□□□□□□
- □□□ `system/view/capturing?: yes` □□□□□□□□□□□

11.5. □□□□□□□□□□□□□

□□□API□□□□□□□□□□□□□□□□

11.5.1. insert-event-func

□□

```
insert-event-func <handler>

<handler> : □□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□ func [face [object!] event [event!]]
```

□□□

```
□□□□□□□□□□□function!□
```

□□

□□ `function` □□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□

- `none` □ □□□□□□□□□□□□□□□□□□□□□□□□none!□
- `'done` □ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□word!□
- `'stop` □ □□□□□□□□□□□□word!□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

11.5.2. remove-event-func

□□

```
remove-event-func <handler>

<handler> : □□□□□□□□□□□□□□□□
```

□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

12. System/view object

Word	□□
`screens`	□□□□□□□□□□□□□□□□□□□□□□□□
`event-port`	□□□□□□□□□□□□□□□
`metrics`	□□□□□□□□□□□□□□□
`platform`	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
`VID`	VID□□□□□□□□□□□

Word	□□
`handlers`	□□□□□□□□□□□□□□□□□
`reactors`	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
`evt-names`	□□□□□□□□□□□□□□□□□□□□□□□
`init`	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
`awake`	□□□□□□□□□□□□□□□□□□□□□□□□□
`capturing?`	`yes` = □□□□□□□□□□□□□□□□□ `detect` □□□□□□□□□□□□□□□□□□□□□ `no` □□□
`auto-sync?`	`yes` = □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `no` = □□□□□□□□□□□□□□□□□□□□
`debug?`	`yes` = □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `no` □□□
`silent?`	`yes` = VID□Draw□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `no` □□□

13. View□□□□□□□□□□□□□□

View□□□□□□□□ □□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□Red□□□□□□□□□□□ `Needs` □□□□□□□□□□□□□□□□□□□□□□□□□□□

```
Red [
    Needs: 'View
]
```

NOTE: `red` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□View□□□□□□□□□□□□□□□□□□□□□□□□ `Needs` □□□□□□□□□□□□□□□□□□□□□□□

14. □□□□□

Function	□□
view	□□□□□□□□□□VID□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `/no-wait` □□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□
unview	□□□□□□□□□□□□□□□□□
layout	VID□□□□□□□□□□□□□□□□□□□□□
center-face	□□□□□□□□□□□□□□□
dump-face	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
do-actor	□□□□□□□□□□□□□□□□□□□
do-events	□□□
draw	Draw□□□□□□□□□□□□□image□□□□□□□□□□
to-image	□□□□□□□□□□□□□□□□□image□□□□□□
size-text	□□□

□□□□□□□□□□□

- □□□□□□□□□□□□
- image!□□□□□□□