

## Release notes

### 0.5.0-X

#### Breaking Changes

- Pre 0.5 *kindled runtime* (`.bizz`) files can't be loaded
- `MRKCSEBFStore` *elemental class* is impacted by hashing changes to *numbers*

#### Changes

- support for modules (shared library) that can be loaded at runtime (SDK to come in a future release)
- console:
  - previous query is no longer cancelled when a new one is issued
  - query specified via the *command line* gets executed once all the files specified in the *command line* have been loaded
- new *elemental* properties:
  - `chatty` (see section 2.5 on page 7)
  - `noisy` (see section 2.5 on page 7)
  - `clone` (see section 2.5 on page 7)
- any *elemental* property can be read using the *constant* syntax
- new property for *elemental* of class `MRKCBSSolver`:
  - `memoize` (see. fibonacci sample)
- new property for *elemental* of class `MRKCLettered`:
  - `recall.frq`, `recall.ttl`, `recall.add`, `recall.mul`, `recall.thd` (see section 6 on page 86)
- *primitives* `gt`, `gte`, `lt` and `lte` now also works with *strings* and *symbols*

#### Additions

- *solution* files (see section 4.3 on page 19)
- new console *command*: `/use` (see section 4.4 on page 32)
- new *syntax*:
  - `~` prefix for *predicate* (see section 2.3 on page 4)
  - `self` *predicate* (see section 2.3 on page 4)
- new *terms*:
  - `regexp` (see section 3.1.6 on page 10)
- new *primitives*:
  - `frm.erase` (see section 5.4 on page 46)
  - `lst.mix` (see section 5.6 on page 54)
  - `lst.sort` (see section 5.6 on page 55)
  - `lst.sub` (see section 5.6 on page 56)

- `rex.make` (see section 5.12 on page 66)
- `rex.match` (see section 5.12 on page 66)
- `rng.rand` (see section 5.11 on page 66)
- new *constraints*:
  - `eq`
  - `is.regexp`
  - `is.bound`
- new *volatiles*: `sym.3`, `sym.4` and `sym.10` (see section 3.8 on page 15)

## Bug Fixes

- `lst.item`, `lst.head`, `lst.tail` would not unify their last *term* with a *list*.
- `MRKCTicker` wouldn't accept a property as a *constant*.
- `peek(guid, :x)` was unifying `:x` with a *string* instead of a *guid*.
- `frm.fetch(a = [1,2], a, [-, :v])` wasn't returning 2.
- re-saving an *elemental* into a *fizz* file was failing.
- *terms* in a *range* couldn't be a *constant*.
- the hashcode of real *number* was the same regardless of the sign.
- `lst.tail` was not unifying its second *term* with `[]` when the first *term* was an empty *list*.