Carousel

Inheritance

```
Nokia.Carousel
    |- Nokia.Widget
        |- Nokia.Class (basic class)
```

1 - Description

The Carousel component's icon is fixed in horizontal position, and each element within it is a link. If the carousel contains so many elements that they do not fit on the screen, an arrow sign to indicate this must be shown over the first or last element.

2 - Visual Design

3 - Component Dependencies

3.1 CSS

```
<!-- Themeroller CSS -->
<link rel="stylesheet" href="themes/themeroller/<theme>/Themeroller.css" type="text/css" media="screen">
<!-- Specific Theme/Resolution CSS -->
<link rel="stylesheet" href="/themes/nokia/ext-theme/<theme>/<resolution>/custom.css" type="text/css" media="screen">
```

3.2 Javascript

```
<!-- jQuery file -->
<script src="/lib/jquery/jQuery.js" type="text/javascript" charset="utf-8"></script>
<!-- Guarana file -->
<script src="/lib/Guarana.js" type="text/javascript" charset="utf-8"></script>
```

4 - Functional Specifications/Requirements

4.1 - Options

- element: 'selector'
  - jQuery selector or the DOM reference to become the container of the component.
- items: Object[]
  - Defines the list of elements in the component.
- visibleItems: int
  - Defines the number of visible elements.
- backgroundClass: string
  - Defines the CSS class of the component background.
- options.itemDimensions.width: int
  - Defines the component width.
- options.itemDimensions.height
  - Defines the component height.
- applyTransition: boolean
  - Defines whether a transition effect will be applied in component interaction.
- delay: int
  - Defines the delay time used in the transition effect.

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4.2 - Events - Callbacks

- create: function()
  - Scope: [this.element]
- prev: function(event)
  - Scope: [this.element]
- next: function(event)
  - Scope: [this.element]

4.3 - Methods

- roll: function(increment, time)
  - Applies roll in the component. The roll direction is defined by **increment**. The delay applied in animation is defined by **time**.
  - return [void]

4.4 - Default options

- items: '> li',
- backgroundClass: 'ui-state-default',
- visibleItems: 5,
- applyTransition: false,
- delay: 1000,
- itemDimensions: { height: 75, width: 75}
- select: function(event, item) {}

5 - Component Demo

5.1 HTML

```
<ul id="carousel1">
     <li><img src="images/icon1.png"/></li>
     <li><img src="images/icon2.png"/></li>
     <li><img src="images/icon3.png"/></li>
     <li><img src="images/icon4.png"/></li>
     <li><img src="images/icon5.png"/></li>
     <li><img src="images/icon6.png"/></li>
     <li><img src="images/icon7.png"/></li>
     <li><img src="images/icon8.png"/></li>
     <li><img src="images/icon9.png"/></li>
     <li><img src="images/icon10.png"/></li>
</ul>
```

5.2 Javascript

```
window.carousel1 = new Nokia.Carousel({
     element: '#carousel1',
     visibleItems: 4,
     width: 400,
     delay: 150,
     create: function() {
          //alert("Carousel: Create");
     },
     select: function(event, item) {
          //alert("Carousel: Select", event);
     },
     next: function(event) {
          //alert("Carousel: Next", event);
     },
     prev: function(event) {
          //alert("Carousel: Prev", event);
     }
});
```

6 - Nokia WRT Browser Compatibility

▲	S60 3.1	S60 3.2	S60 5.0
Carousel	NO	YES	YES

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