service	Class	function	Function Argument	~Non-standard return Keys	Post argument	Instance Variable	Class Variable	dictionary key / list index	Push Task	Pull Task	Page Server	Global Variable
~Service Name:	~Class Name:	~Function Name:	~Argument Name:	~Key:	~Post Key:	~Instance Variab	~Class Variable	~Key:	~task queue push name	~task queue pull name:	~Page Server na	~Global Variable Name:
Description:	Inherits:	Description:	Type:	Type:	Type:	Type:	Type:	Required:	Description:	Description:	Description:	Type:
	File location:		Required:	Description:	Required:	Description:	Description:	Type:	Type: push	Type:pull	Type:POST	Description:
	Description:		Description:		Description:	Default Value:	Default Value:	Description:	URL:	Task loop URL:	URL:	Default Value:
			Default Value:			Valid Values:	Valid Values:		task queue class name:	task queue class name:	Page Server class name:	
	~Class Name: Shape											
	Inherits:											
	File location: /shape.py											
	Description: shape class creates instance for kind and color for three kinds of shape, circle, square and rectangle											
			~Instance Variable Name: IV_shape_kind									
			Type: String									
			Description: Holds the kind of shape									
			Valid Values: "Circle", "Square", "Rectangle"									
			~Instance Variable Name: IV_shape_color									
			Type: String									
			Description: holds the color of shape									
			Valid Values: any valid color name									
			~Property Decorator: PIV_shape_kind									
			Type: String									
			Description: return the current value of IV_shape_kind									
			~Property Decorator: PIV_shape_color									
			Type: String									
			Description: return the current value of IV_shape_color									
		~Function Name: setShapeKind										
		Description: set the kind of Shape										
			~Argument Name: shape_kind									
			Type: String									
			Required: Yes									
			Description: update the value of IV_shape_kind									
		~Function Name: setShapeColor										
		Description: set the color of Shape										
			~Argument Name: shape_color									
			Type: String									
			Required: Yes									
			Description: update the value of IV_shape_color									
	~Class Name: Circle											
	Inherits: Shape											
	File location: /shape.py											
	Description: inherit of Shape class to set radius of circle and find the value of circle area											
			~Instance Variable Name: IV_circle_radius									
			Type: Positive Number									
			Description: Holds the radius of circle									
			Default Value:									
			Valid Values: positive Float type value									
			~Property Decorator: PIV_circle_radius									
			Type: Positive Number									
			Description: return the current value of IV_circle_radius									
		~Function Name: setCircleRadius										
		Description: set the radius of Circle										
			~Argument Name: circle_radius									
			Type: Positive Number									
			Required: Yes									
			Description: update the value of IV_circle_radius									
		~Function Name: calculateArea										
		Description: calculate the area of circle										
				~Key: area								
				Type: Positive Number								
				Description: return the radius of circle								
	~Class Name: Square											
	Inherits: Shape											
	File location: /shape.py											
	Description: class to set side of square, get the side of square and find the value of square area											

service	Class	function	Function Argument	~Non-standard return Keys	Post argument	Instance Variable	Class Variable	dictionary key / list index	Push Task	Pull Task	Page Server	Global Variable
~Service Name:	~Class Name:	~Function Name:	~Argument Name:	~Key:	~Post Key:	~Instance Variable	~Class Variable Name:	~Key:	~task queue push name	~task queue pull name:	~Page Server name:	~Global Variable Name:
Description:	Inherits:	Description:	Type:	Type:	Type:	Type:	Type:	Required:	Description:	Description:	Description:	Type:
	File location:		Required:	Description:	Required:	Description:	Description:	Type:	Type: push	Type:pull	Type:POST	Description:
	Description:		Description:		Description:	Default Value:	Default Value:	Description:	URL:	Task loop URL:	URL:	Default Value:
			Default Value:			Valid Values:	Valid Values:		task queue class name:	task queue class name:	Page Server class name:	

Body content:

- ~Instance Variable Name: IV_square_side
  - Type: Integer
  - Description: Holds the length of square side
  - Default Value:
  - Valid Values: positive integer
- ~Property Decorator: PIV_square_side
  - Type: Positive Number
  - Description: return the current value of IV_square_side
- ~Function Name: setSquareSide
  - Description: set the side of square
  - ~Argument Name: square_side
    - Type: Positive Number
    - Required: Yes
    - Description: update the value of IV_square_side
- ~Function Name: calculateArea
  - Description: calculate the area of square
  - ~Key: area
    - Type: Positive Number
    - Description: return the side length of square

- ~Class Name: Rectangle
  - Inherits: Shape
  - File location: /shape.py
  - Description: class to set length and width of rectangle, get length, width of rectangle and find the value of rectangle area
- ~Instance Variable Name: IV_rectangle_dimension
  - Type: List of Positive Numbers
  - Description: Holds the length and width of rectangle
  - Default Value:
  - Valid Values: any positive number
- ~Property Decorator: PIV_rectangle_dimension
  - Type: List of Positive Numbers
  - Description: return the current value of IV_rectangle_dimension
  - ~Key: Length
    - Required: Yes
    - Type: Positive Number
    - Description: Holds the value of rectangle Length
  - ~Key: Width
    - Required: Yes
    - Type: Positive Number
    - Description: Holds the value of rectangle width
- ~Function Name: setRectangleDimension
  - Description: set the length and width of rectangle
  - ~Argument Name: length,
    - Type: Positive number
    - Required: Yes
    - Description: upade the V_rectangle_dimension key length
  - ~Argument Name: width
    - Type: Positive number
    - Required: Yes
    - Description: upade the V_rectangle_dimension key width
- ~Function Name: calculateArea
  - Description: calculate the area of rectangle
  - ~Key: area
    - Type: Positive Number
    - Description: return rectangle area