To use the application in command line interface (CLI) mode, the user can set `-console` as an application argument. After that, they can start inputting all other commands listed below. Alternatively, the user can proceed with commands in the original argument list, such as:

```
-console -NEXT_COMMAND -NEXT ...
```

Command signature:

```
-[COMMAND] [OPTIONS]=[VALUE]
```

Commands:

`-help`

Purpose:

Prints help for all commands or for a specific command.

Settings:

- `command_name` (Optional): The name of the command to print help for. Default: (prints help for all commands)

`-file_load`

Purpose:

Loads a file from the specified path.

Settings:

- filepath (Required): The path of the file to load.

`-file_save`

Purpose:

Saves the current state to a file at the specified path.

Settings:

- `filepath` (Required): The path of the file to save.

`-run_script_file`

Purpose:

Execute a sequence of commands from a specified script(text) file. Each command in the file should be on a new line.

Settings:

- `filepath` (Required): The path of the script file to execute.

`-complexity`

Purpose:

Creates a job to add complexity layer of a model based on the specified type.

Settings:

- `type` (Required): Specifies the type of complexity calculation. Possible Values: `'HEIGHT'`, `'AREA'`, `'RUGOSITY'`, `'TRIANGLE_EDGE'`, `'TRIANGLE_COUNT'`, `'VECTOR_DISPERSION'`, `'FRACTAL_DIMENSION'`, `'COMPARE'`

- `resolution` (Optional): Specifies the resolution in meters for the complexity calculation. Alternative to relative_resolution. Default: `Minimal possible`

- `relative_resolution` (Optional): Specifies the resolution as a float between `0.0` and `1.0`, where `0.0` represents the lowest possible resolution and `1.0` represents the highest. Alternative to resolution. Default: `0.0`

- `jitter_quality` (Optional): Specifies the quality of jitter applied to the model. Higher values mean more jitters and potentially smoother results but slower processing. Possible Values: `1`, `7`, `13`, `25`, `37`, `55`, `73` Default: `55`

- `run_on_whole_model` (Optional): Specifies if the calculation should be run on the whole model without jitter. Default: `"false"`

- `triangle_edges_mode` (Optional): Specifies the mode of triangle edges calculation. Relevant only for `'TRIANGLE_EDGE'` complexity type. Default: `MAX_LEHGTH`

- `rugosity_algorithm` (Optional): Specifies the algorithm for rugosity calculation. Relevant only for `'RUGOSITY'` complexity type. Possible Values: `'AVERAGE'`, `'MIN'`, `'LSF(CGAL)'` Default: `MIN`

- `rugosity_is_using_unique_projected_area` (Optional): Specifies if the unique projected area should be used for rugosity calculation. Relevant only for `'RUGOSITY'` complexity type. Default: `"false"`

- `rugosity_is_unique_projected_area_approximated` (Optional): Specifies if the approximation should be used for unique projected area rugosity calculation(Speeds Up by Over 100x). Relevant only for 'RUGOSITY' complexity type. Default: `"true"`

- `rugosity_delete_outliers` (Optional): Specifies if the outliers should be deleted from the rugosity calculation. Relevant only for `'RUGOSITY'` complexity type. Default: `"false"`

- `rugosity_min_algorithm_quality` (Optional): Specifies the quality of the rugosity calculation. Relevant only for `'RUGOSITY'` complexity type and when the rugosity_algorithm is set to `'MIN'`. Possible Values: `1`, `9`, `19`, `33`, `51`, `73`, `91`, `99`, `129`, `163`, `201`, `289`, `339`, `393`, `441` Default: `91`

- `fractal_dimension_should_filter_values` (Optional): Specifies if the app should filter values that are less that `2.0`. Relevant only for `'FRACTAL_DIMENSION'` complexity type. Default: `"true"`

- `is_standard_deviation_needed` (Optional): Specifies if the app should also add layer with standard deviation. Default: `"false"`

- `compare_first_layer_index` (Required): Specifies the index of the first layer to compare. Relevant only for `'COMPARE'` complexity type.

- `compare_second_layer_index` (Required): Specifies the index of the second layer to compare. Relevant only for `'COMPARE'` complexity type.

- `compare_normalize` (Optional): Specifies if the app should normalize the layers before comparing. Relevant only for `'COMPARE'` complexity type. Default: `"true"`

`-evaluation`

Purpose:

Creates an evaluation job with the specified settings to test a layer or other objects.

Settings:

- `type` (Required): Specifies the type of evaluation. Possible Values: `'COMPLEXITY'`

- `subtype` (Required): Specifies the subtype of evaluation. Possible Values: `'MEAN_LAYER_VALUE'`, `'MEDIAN_LAYER_VALUE'`, `'MAX_LAYER_VALUE'`, `'MIN_LAYER_VALUE'`

- `expected_value` (Required): Specifies the expected value for the evaluation.

- `tolerance` (Required): Specifies the tolerance for the evaluation.

- `layer_index` (Optional): Specifies the index of the layer to evaluate. Relevant only for `'COMPLEXITY'` evaluation type. Default: `'-1'` Which means the last layer.

- `convert_to_script` (Optional): Specifies if the job should be converted to a script that later can be used to run the same job but with actual values.(Mostly used to make it easier to create a script file for new models) Default: `"false"`

`-global_settings`

Purpose:

Sets a global setting for the application.

Settings:

- `type` (Required): Specifies the type of global setting. Possible Values: `'EVALUATION_JOB_TO_SCRIPT'`, `'OUTPUT_LOG_TO_FILE'`

- `int_value` (Optional): Specifies the integer value for the global setting. Default: `0`

- `float_value` (Optional): Specifies the float value for the global setting. Default: `0.0`

- `bool_value` (Optional): Specifies the boolean value for the global setting. Default: `"false"`

`-export_layer_as_image`

Purpose:

Exports a layer as an image.

Settings:

- `export_mode` (Required): Specifies the mode of the export. Possible Values: `'MIN'`, `'MAX'`, `'MEAN'`, `'CUMULATIVE'`

- `save_mode` (Required): Specifies the type of image file. Possible Values: `'PNG'`, `'GEOTIF'`, `'GEOTIF_32_BITS'`

- `filepath` (Required): Specifies the path of the file to save.

- `resolution` (Required): Specifies the resolution in meters for the image.

- `resolution_in_pixels` (Optional): Specifies the resolution in pixels for the image. Default:

- `layer_index` (Required): Specifies the index of the layer to export.

- `force_projection_vector` (Optional): Specifies the projection vector for the image. Possible Values: `'X'`, `'Y'`, `'Z'` Default: `Calculated on fly`

- `persent_of_area_that_would_be_red` (Optional): Specifies the persent of area that would be considered outliers and would be red. Default: `5.0`

`-query`

Purpose:

With this command, users can query information to be outputted to the console or log.

Settings:

- `request` (Required): Specifies what to query. Possible Values: `'EVALUATION_SUMMARY'`

Examples:

```
-load filepath="C:/data/mesh.obj"
-save filepath="C:/data/processed_mesh.rug"
-complexity type=RUGOSITY rugosity_algorithm=MIN jitter_quality=73
-evaluation type=COMPLEXITY subtype=MAX_LAYER_VALUE expected_value=5.02 tolerance=0.01
```

Notes:

- For Boolean settings, use `"true"` or `"false"`.
- Paths must be enclosed in quotes.