# SDEverywhere Web App YAML Format Reference

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The app.yaml file contains two objects: an app object giving global application properties, including sliders; and a views object giving two levels of views, each containing two graphs and a selection of sliders from the app section.

When a key is surrounded by braces, like {this}, replace the key with the indicated kind of string. All other keys are the literal strings given in the table.

In this reference, object and array containment are indicated by indentation. Refer to the app-sample.yaml file in the SDEverywhere notes directory for an guide in YAML syntax.

[YAML cheatsheet](http://nodeca.github.io/js-yaml/)

[Number format string reference](http://numbrojs.com/format.html)

|  |  |  |
| --- | --- | --- |
| Key | Type | Description |
| app | object | application global properties |
| title | string | application title |
| logo | string | optional filename of an app logo image |
| version | string | version number |
| datfiles | array | optional map from prefix strings to Vensim DAT filename strings giving external data variables |
| removalKeys | array | optional strings to search for in equations the preprocessor should remove into the removals.txt file for manual editing |
| help\_url | string | optional URL of an online help file |
| colors | object | object with hex color codes for graph lines |
| color\_1 | string | first graph line color |
| color\_2 | string | second graph line color |
| color\_3 | string | third graph line color |
| color\_4 | string | fourth graph line color |
| color\_5 | string | fifth graph line color |
| initial\_view | string | first level view title > second level view title |
| track\_sliders | boolean | set true to run the model as sliders are moved; set false to wait until the slider is released to run the model |
| sliders | object | slider objects available in all views by name |
| {variable name} | string | Vensim input variable name |
| label | string | slider label |
| units | string | units label |
| format | string | slider number format |
| value | number | initial value of the slider variable |
| min | number | minimum value of the slider range |
| max | number | maximum value of the slider range |
| step | number | slider step interval |
| views | array | first level app menu items |
| title | string | first level menu title |
| views | array | view objects under the first level app menu item |
| title | string | view title |
| graphs | array | two graph objects, left and right |
| title | string | graph title |
| x\_axis | object | x axis properties |
| min | number | x axis minimum value |
| max | number | x axis maximum value |
| y\_axis | object | y axis properties |
| units | string | y axis units label |
| format | string | y axis label number format |
| min | number | y axis minimum value |
| max | number | y axis maximum value |
| plots | array | objects giving details of each line on the graph |
| name | string | Vensim variable name string to plot |
| label | string | graph legend |
| color | string | name of the color for the graph line from app.colors |
| style | string | graph line style: line, area, or thinline |
| sliders | array | names of slider for this view from app.sliders |