CookBook and Recipe Data Map

|  |  |  |  |
| --- | --- | --- | --- |
| ***Class*** | ***Extends*** | ***Attribute*** | ***Data Type or object Type*** |
| CookBook | - | name | String |
| recipes | ArrayList<Recipe> |
| bookLength | int |
| Recipe | - | info | Info |
| defaults | Defaults |
| slides | ArrayList<Slide> |
| Defaults | - | backgroundColor | String |
| font | String |
| fontSize | String |
| fontColor | String |
| lineColor | String |
| fillColor | String |
| Info | - | author | String |
| version | String |
| comment | String |
| width | int |
| height | int |
| Slide | - | ID | String |
| duration | int |
| lastSlide | Boolean |
| content | Content |
| Content | - | xStart | int |
| yStart | int |
| layer | int |
| startTime | int |
| duration | int |
| width | int |
| height | int |
| urlName | String |
| loop | Boolean |
| texts | ArrayList<Text> |
| shapes | ArrayList<Shape> |
| audios | ArrayList<Audio> |
| images | ArrayList<Image> |
| videos | ArrayList<Video> |
| Text | Content | xEnd | int |
| yEnd | int |
| font | String |
| fontSize | String |
| fontColor | String |
| textBody | ArrayList<TextString> |
| ***Class*** | ***Extends*** | ***Attribute*** | ***Data Type or object Type*** |
| TextString | - | bold | Boolean |
| italic | Boolean |
| underline | Boolean |
| text | String |
| Shape | Content | totalPoints | int |
| points | ArrayList<int[]> |
| fillcolor | String |
| lineColor | String |
| Audio | Content | - | - |
| Image | Content | - | - |
| Video | Content | playTime | int |

Example Usage: Accessing Data

If you want to get the author of the first recipe in the ‘soup’ cookbook:

author = soup.getRecipe(0).info.getAuthor();

If you want to get the total duration of the slides in a recipe:

for (int i=0; i<recipe.getNumberOfSlides(); i++) {

totalDuration += recipe.slides.get(i).getDuration();

}

If you want to get the number of video elements on the last slide of a recipe:

numberOfVideos =

recipe.getSlide((recipe.getNumberOfSlides()-1)).content.getNumberOfVideos();