

A Summary of Our Project

Our original motivation: we want to help people who might need to quickly make a simple poster. With our DSL, they would not need to drag and drop, copy and paste images and texts over and over again. They can simply input a few lines of code to complete the tasks of image/text insertions with different sizes or styles and create patterns or duplications with the for-loop functionality.

In our language/ program, we created a user interface, so that the users are able to easily interact with the program and to vividly see the result. The users can just input lines of codes and hit the execute button to see the result. If they want to change anything in the code, they can just immediately change it on the input box and re-execute their code instantly by hitting the execute button again.

Speaking of error handling, we would pop up the error messages when the users input something inappropriate. This allows users easily to detect where they might have made a mistake.

Moreover, we learnt and improved a lot from the users' feedbacks. For example, a user wanted to have more flexibility when inserting texts. We added a color option, so that they are able to choose different colors when inserting to make the poster more colorful. In addition, someone suggested that we should include a z-index for the images, so that users can manage the stacking ordering of all the images. Other than the all the users' feedbacks, we also discussed a lot within group. We also improved from the code perspective that we tried to minimize code duplications, and to make the code cleaner.