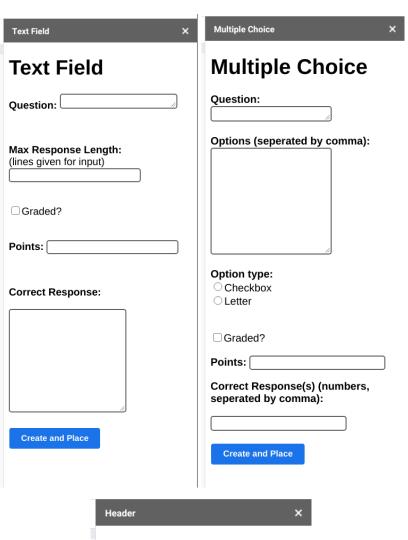# Add-on info:

The form builder add-on makes creating quizzes and forms easy by giving the user access to an intuitive and easy to use interface. This add-on is for the purpose of creating pretty printable forms that would be filled out in person, as opposed to other online options.There are three different subsections of the add-on: Creating a header, creating a multiple choice question, and creating a short answer response question. All the user must do is fill out the information prompted by the GUI, and click create to add the header or question. The form builder also has the ability to create an answer sheet so the creator can have a simple way to grade the forms later on.

Installation/running instructions:

- Open our code in Google Script Editor
- At the top, click on "Run"
- Choose "test as add-on"
- Leave default options, select doc, and save
- Go back into the same menu, select your saved test, and click run

Note: running with this method can cause issues when multiple google accounts are logged in to your browser. Make sure to log out of other accounts, or run in an incognito window. This is a known issue with Google Add-on development.

UI panels:

Text Field

Text Field

Question: _____

Max Response Length:
(lines given for input)
_____

☐ Graded?

Points: _____

Correct Response:

_____

Create and Place

Multiple Choice

Multiple Choice

Question:
_____

Options (seperated by comma):

_____

Option type:
○ Checkbox
○ Letter

☐ Graded?

Points: _____

Correct Response(s) (numbers, seperated by comma):

_____

Create and Place

Header

Header

Form Title: _____

Your Name: _____

Today's Date:

Year: _____

Month: [January ▾] **Day:** [1 ▾]

Create and Place

Sample Output:

Title of Quiz/Form

Question 1: How does this work? **(10 pts)**
This is extra detail for the question given. It's possible that there might be additional instruction to be added for a good response. This is just a bunch of filler text that I have to fill up space.

Question 2: What do you think? **(15 pts)**
This is extra detail for the question given. It's possible that there might be additional instruction to be added for a good response. This is just a bunch of filler text that I have to fill up space.

Question 3: Which one of these is correct? **(10 pts)**
This is extra detail for the question given. It's possible that there might be additional instruction to be added for a good response. This is just a bunch of filler text that I have to fill up space.

- Answer 1
- Answer 2
- Answer 3
- Answer 4

Question 4: Which of these is correct? **(10 pts)**
This is extra detail for the question given. It's possible that there might be additional instruction to be added for a good response. This is just a bunch of filler text that I have to fill up space.

A. Answer 1
B. Answer 2
C. Answer 3
D. Answer 4

Updates from user study:

Added styling

Our original UI used the default fonts and styling elements. While we tried to add the functions we needed, we paid no attention to the look/design of our UI. This final product fixes that, adding CSS for styling of elements. We redid the colors, fonts, and element placing to create a more aesthetically pleasing user interface.

Rethought certain UI elements

Our original UI consisted of two input types: text areas and buttons. We rethought what the function of each element should be, and what type of input would best accomplish that. For example: radio buttons for selecting the multiple choice option styles, dropdown menus for the date, checkboxes to determine if a question is graded or not, and simpler text field inputs to replace some of the text area inputs in places where the input was expected to be a shorter answer.

Complete overhaul of the grading panel

Our original "grading" panel was clunky, and was the most heavily criticized part of our UI in the user study. We therefore decided to get rid of it entirely. Its purpose was too confusing as a separate panel. Instead, we integrated it's functionality into the element creation panels. In the panels, users will have the option to make a question graded or not there, and add an answer key if desired.