A Participant Form for Experiment

Thank you for participating in the alpha test of CtySketch. CtySketch is a tool created to provide a platform for citizens to be involved in the design process of Privately Owned Public Spaces (POPS). It aims to provide developers with a variety of solutions that will inform them of the citizens' desires. Through the collaborative efforts, the tool hopes to steer the design direction towards a more inclusive and well-designed urban space, while meeting the desired Gross Floor Area (GFA) [1] for development.

Should you face any issues during this experiment, kindly mark the checkbox provided against the step where the issue surfaced. Please also kindly provide a brief description of the issue.

For this experiment, you will need:

- A phone with a camera module
- A printer
- 5 sheets of white A4 paper
- Two different coloured A4 sheets of paper
- A pair of Scissors
- A roll of clear tape
- *Optional: A computer*

[1] GFA is indicative of the total buildable area allowed for a specified function on the plot. Typically, developers would want to maximise the rentable GFA.

☐ **1.** Navigate to *www.ctysketch.com/alpha/*

Remarks:

☐ **2.** Create an account

Remarks:

☐ **3.** View the project details for Hong Lim Complex.

Remarks:

☐ **4.** Start a Design Session for Hong Lim Complex.

Remarks:

☐ **5.** Write down your room id in the space below.

Remarks:

☐ *Optional:* Using your room id, join the session on your computer.

Remarks:

☐ **6.** Write down the GFA composition of the generated example.

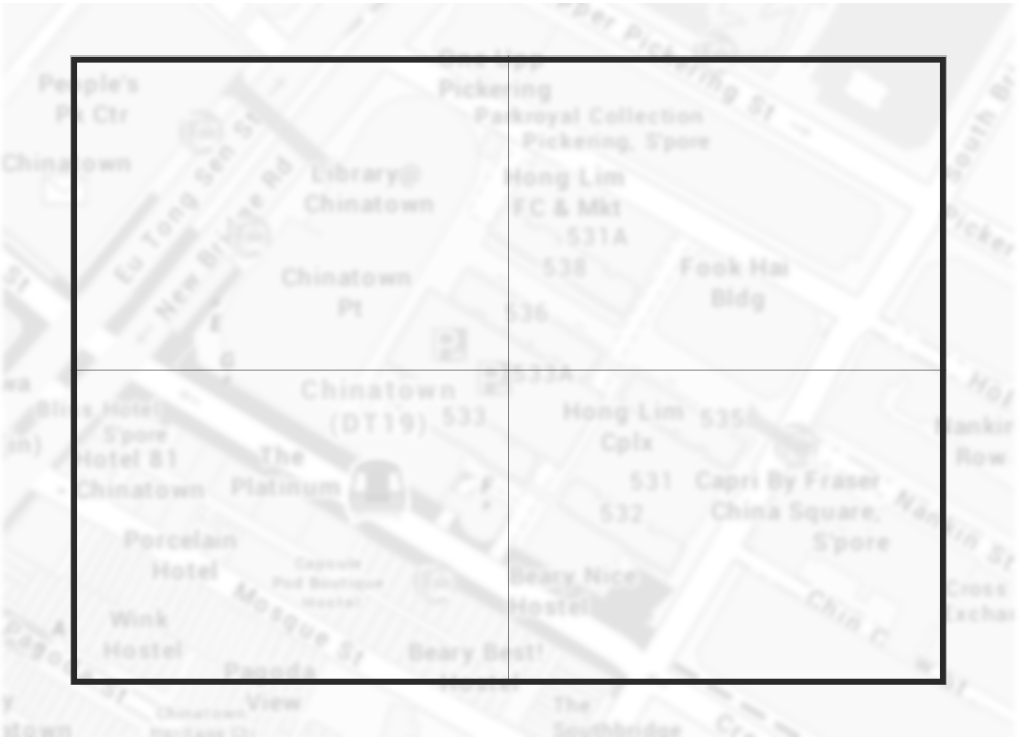
Remarks:

☐ **7.** Print the template files provided for the site. For this experiment,

the gridded template should be printed on the two different coloured paper. One of the colours will be assigned to *residential buildings* and the other to *commercial*. The site plan will require four white sheets of paper. Print the AR markers on a single white sheet of paper.

Remarks:

☐ **8.** Form the Site Plan. Key transport nodes and direction of key circulation into the site have been provided on the site map. Kindly transfer the markings to the image provided below.



Remarks:

☐ **9.** Cut out the AR markers. From the bottom left corner of the site map, center the marker cutouts on the corners in anti-clockwise direction.

Remarks:

☐ **10.** Pick one of the coloured grid paper. The colour will be assigned to *residential blocks*. Each cell of the grid is $10 \times 10m$ in dimension. We recommend that a residential block is not deeper than **2-cell** depth. Cut out a residential block to your desired shape now. *(Note: The grid only serves as a guide. You may cut out any shape you desire.)*

Remarks:

☐ **11.** Place your cutout on the site plan and navigate to the camera component in the application.

Remarks:

☐ **12.** Take a photo of the site layout. Ensure that the site map has been cropped and skewed correctly after the perspective fix.

Remarks:

☐ **13.** Add a new Colour Layer. Colour Layers are used to define a building type (residential/commercial).

Remarks:

☐ **14.** Check that the colour mask has successfully detected the cutouts.

Remarks:

☐ **15.** Generate the building extrusions

Remarks:

☐ **16.** The objective of this experiment is to achieve the required GFA you have identified in **step 6**. You may cut out and overlay pieces of coloured paper to create building footprints. After you have created the desired layout, use the camera function to update the generated plan. You do not need to update the colour layers if you did not change the colour paper or the colour assignment. Kindly proceed to the final survey after you have achieved a satisfactory result.

Remarks:

Out of a score of 1(least satisfactory) to 10 (most satisfactory)

1. How would you describe your experience working with the web tool?

   Score & Remarks:

2. How would you describe your experience working with paper cutouts?

   Score & Remarks:

3. How do you find the simplicity of the app and the paper cut method?

   Score & Remarks:

4. How do you find the enjoyability of the entire experience?

   Score & Remarks:

5. Would you use this tool to participate in the design of Privately Owned Public Spaces?

   Score & Remarks:

Any further feedback on the tool and method for participation?

Open Questions

1. Kindly provide a rough number of iterations you have gone through before arriving at your final design.

Remarks:

2. Did you observe any key changes when you change the size and number of footprints in your layouts? If so, how do you feel about its effect on the surrounding space?

   Remarks:

3. What are the key considerations you have put into the placement of the building footprints?

   Remarks:

4. Are the existing visualisations successful in creating a relatable context?

   Remarks:

5. Have you been to Hong Lim Complex? What other information and resources on the site do you think will improve your design process?

   Remarks:

6. Were you able to express all your ideas using the application and paper cut method? If not, please elaborate on what you were trying to achieve.

Remarks:

7. How do you find the material costs of this exercise?

   Remarks:

8. Any other suggestions/feature requests?

   Remarks:

9. Kindly provide your age and the phone model used in this experiment.

   Remarks: