

The background is a dark blue-grey color. It is decorated with various geometric elements: orange circles of different sizes, some with white dotted patterns; white circles; orange hexagons; white hexagons; orange triangles; and white triangles. There are also orange and white dotted lines and patterns scattered throughout. The text is centered in the upper half of the image.

Computer Graphics Final project

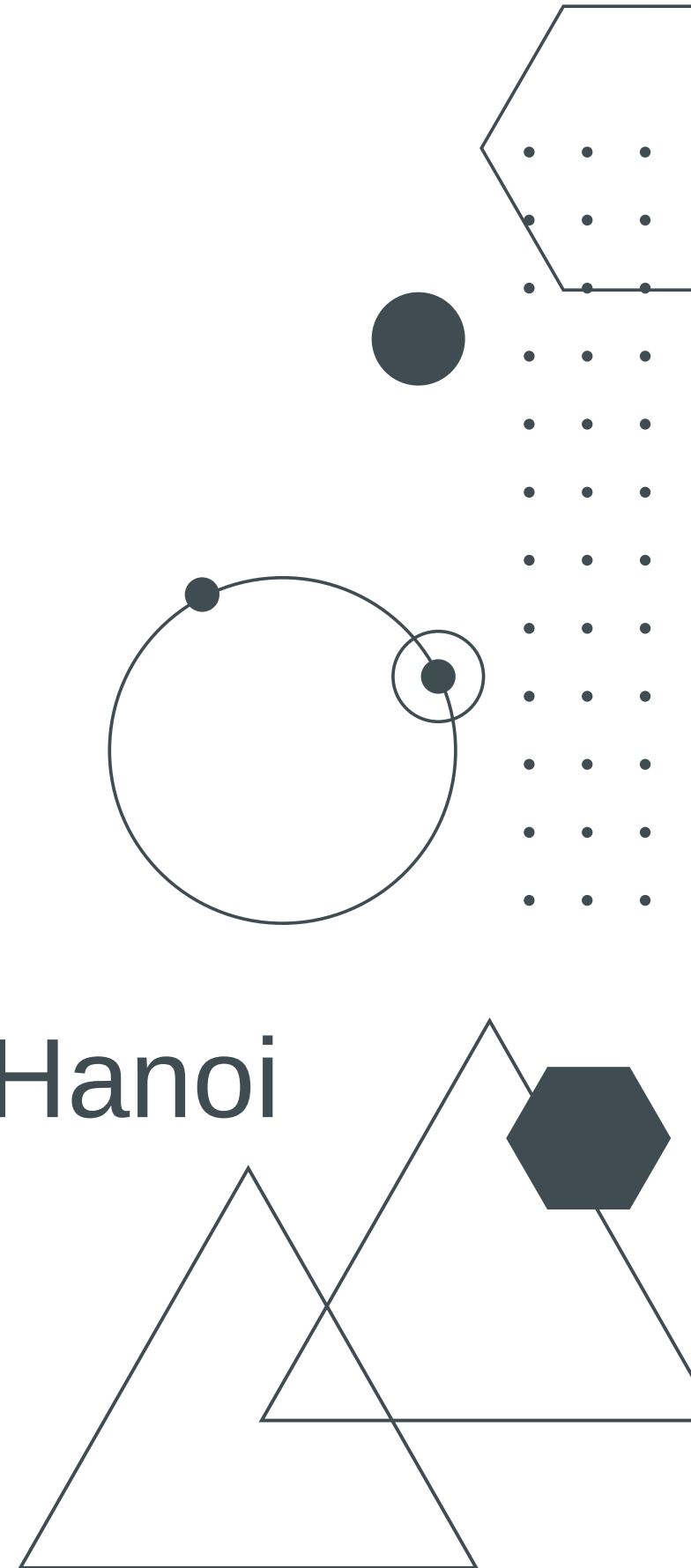
S11159020 資工三 卓楚庭

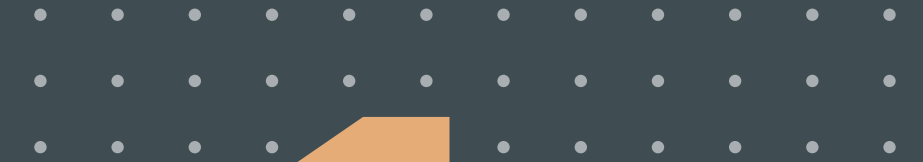
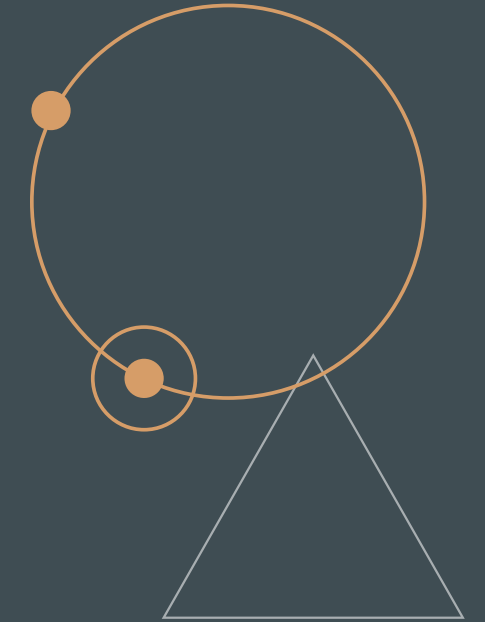
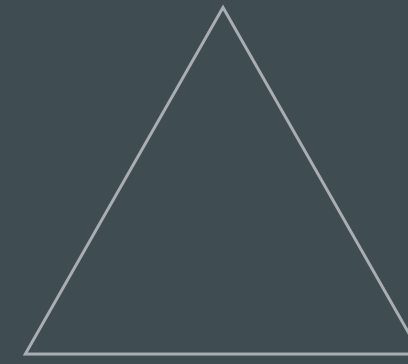
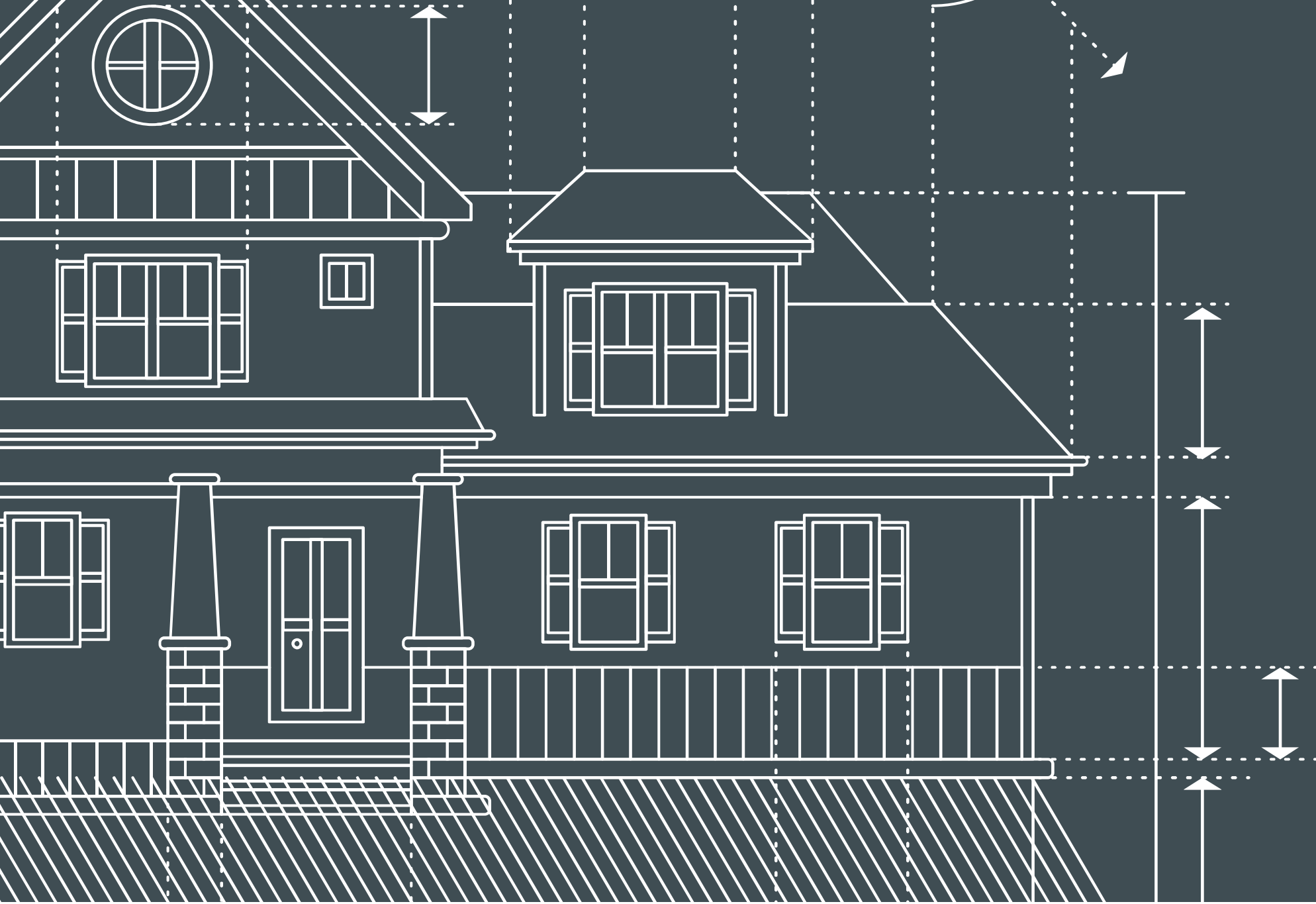
01. Mini Game -
Endless Game

02. Mini Game -
Breakout



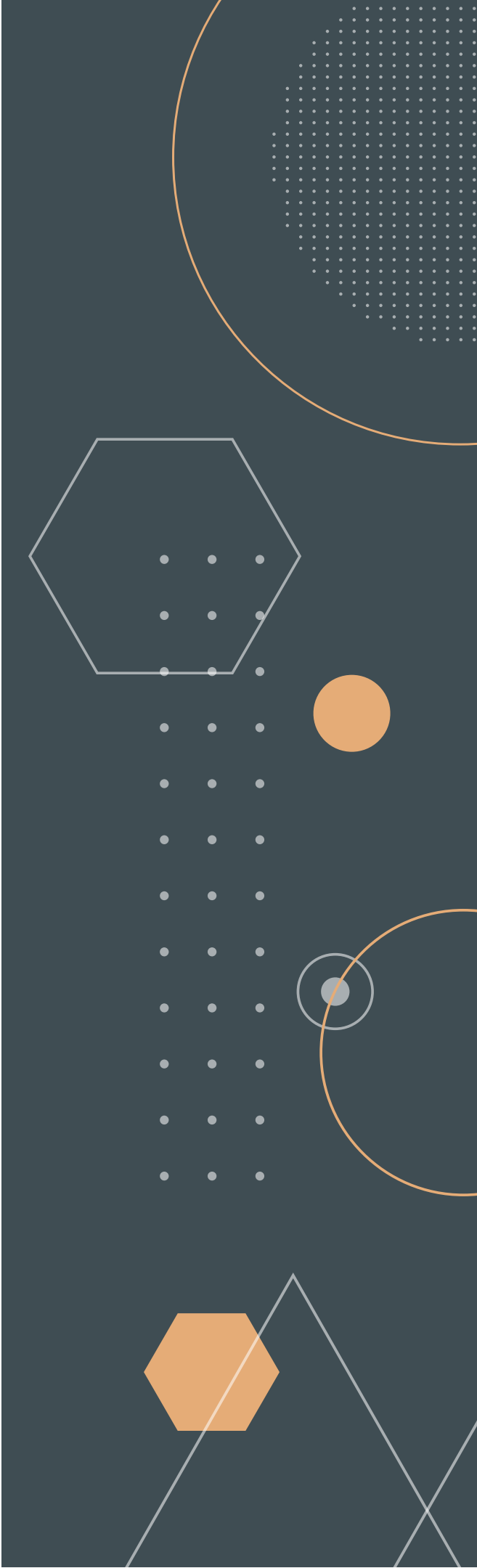
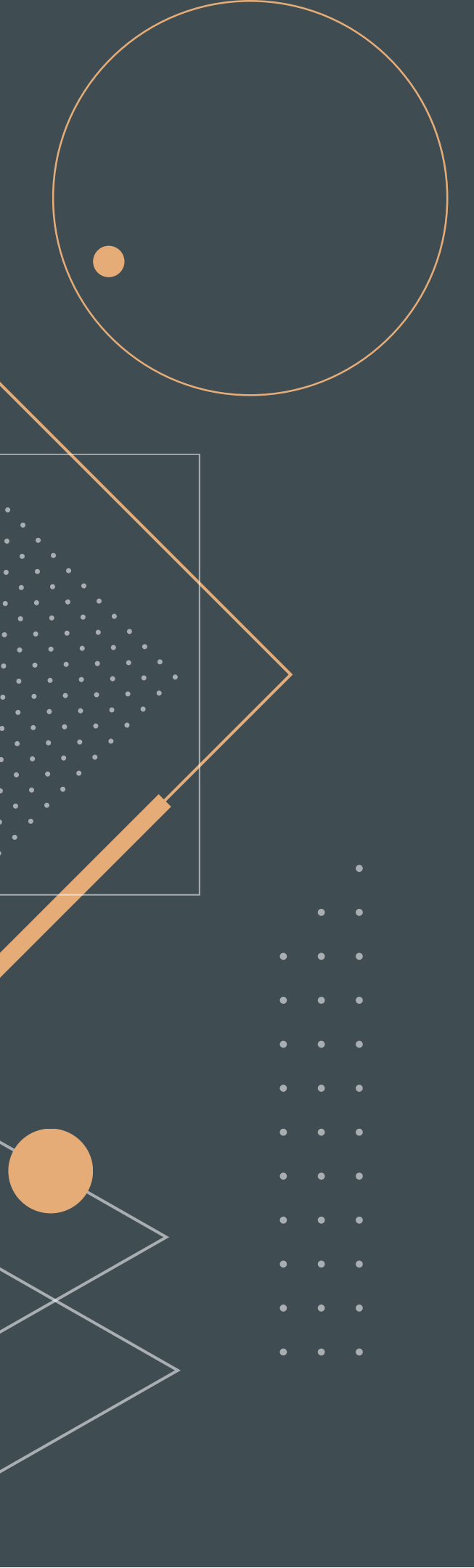
03. Tower of Hanoi

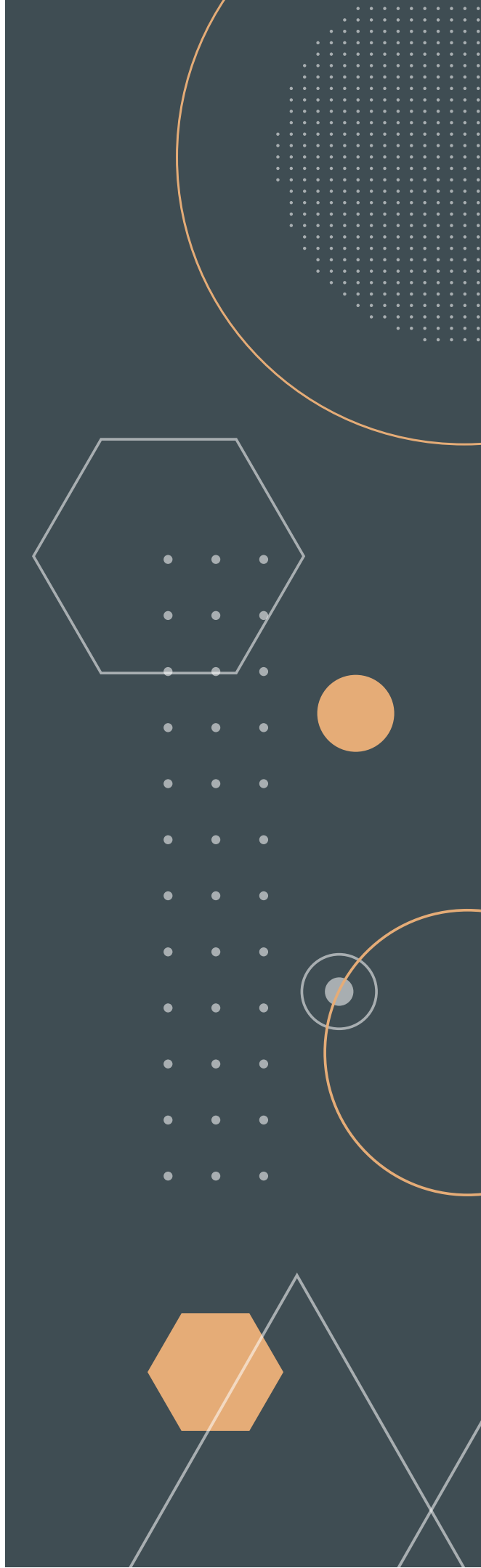
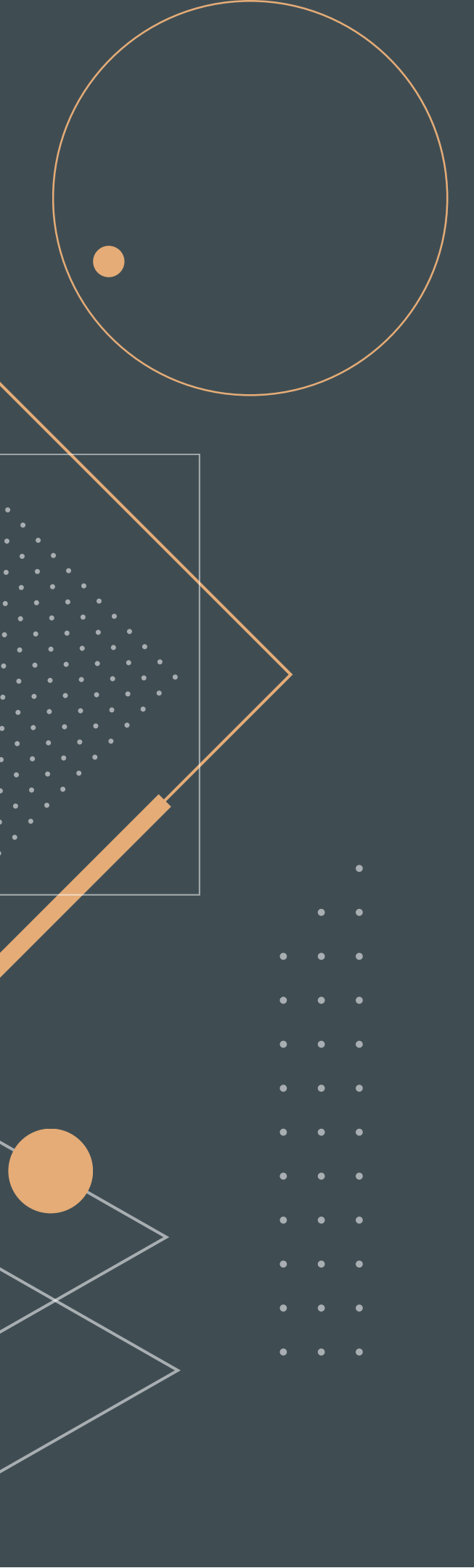




Mini Game -
Endless Game

01





OpenGL / GLUT(2D)

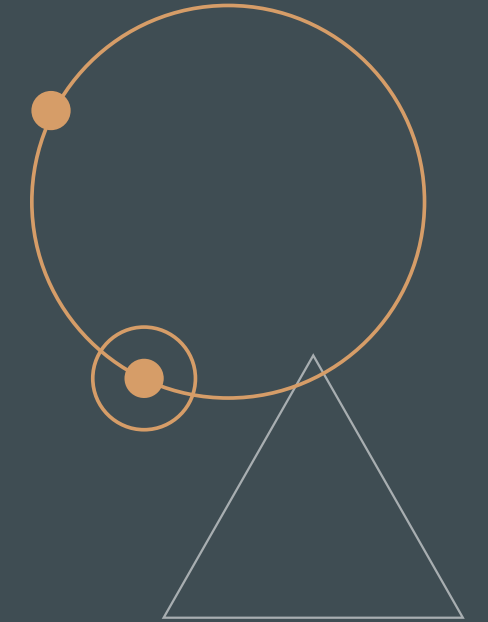
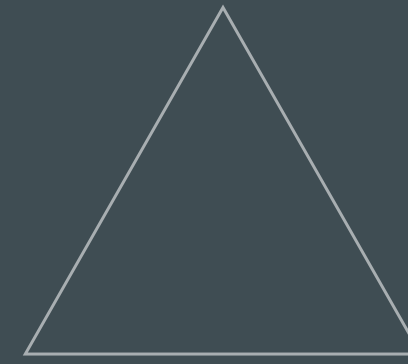
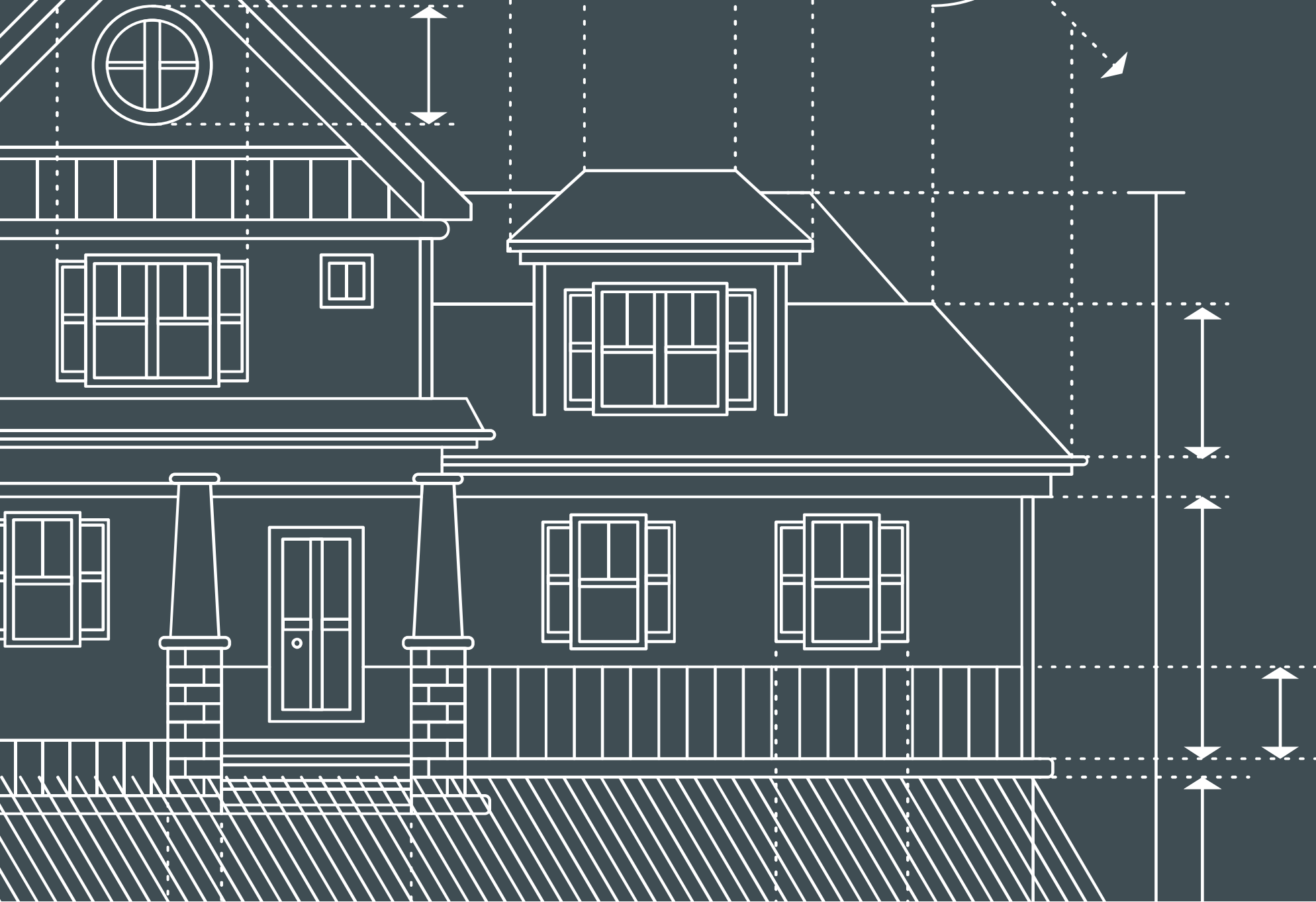


- Orthographic projection
 - 以多邊形定義道路邊界
 - Dynamic objects、Static Objects
 - Movement
 - Crash
 - glutSpecialFunc()
 - glutTimerFunc()
- 

OpenGL / GLUT(3D)

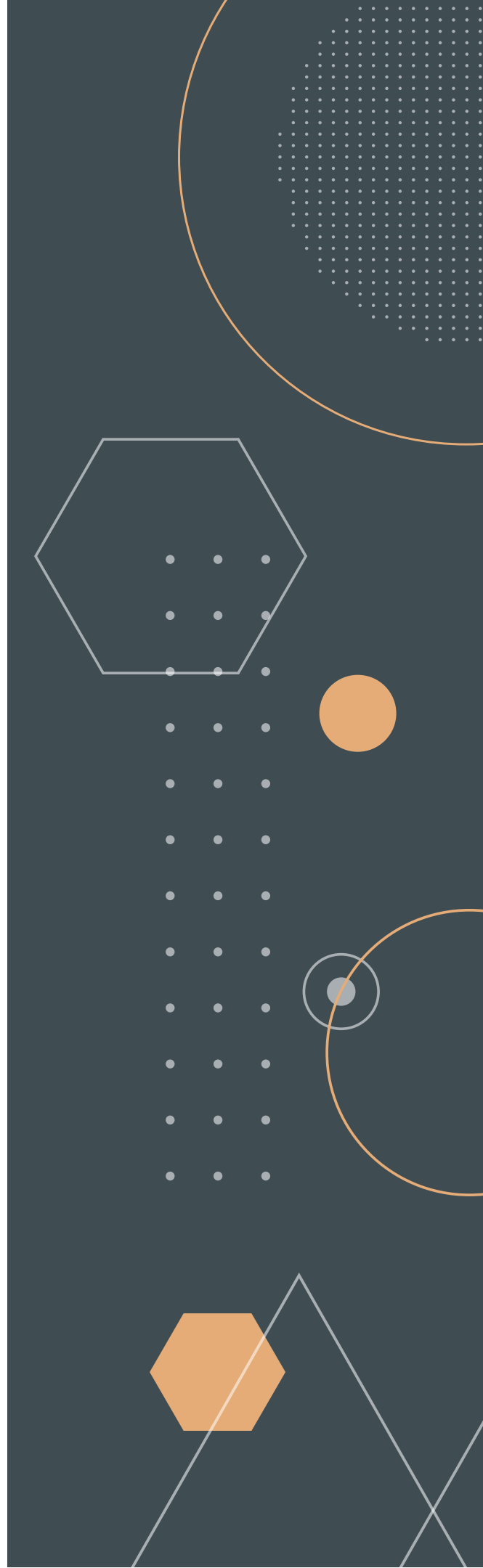
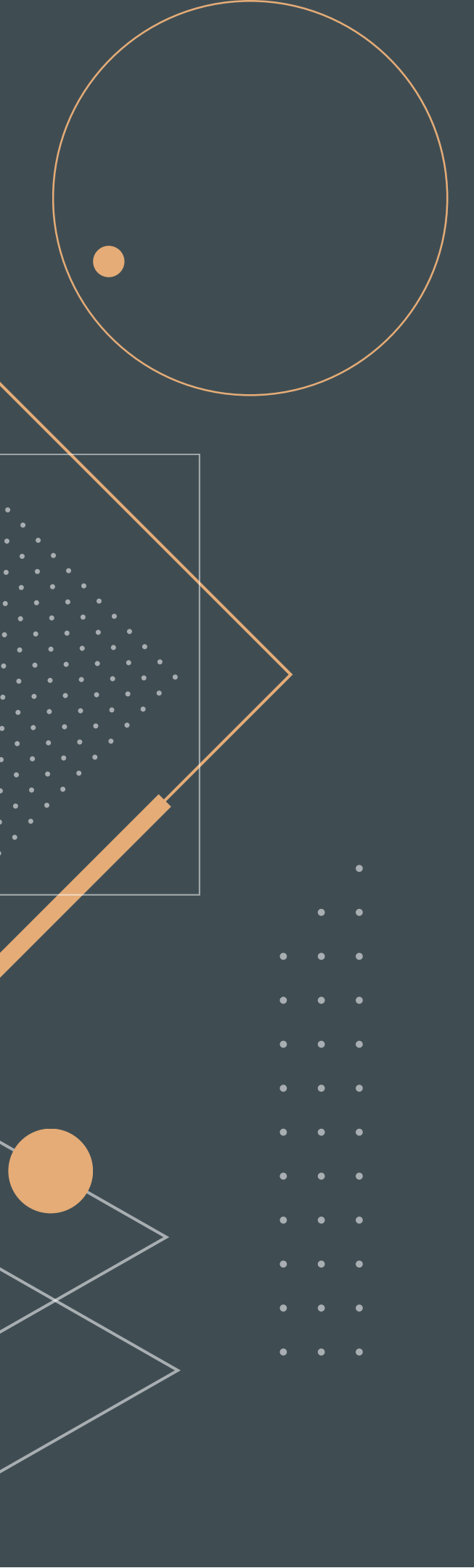


- Perspective projection
 - glEnable()
 - 長方體、圓柱體等
 - 第三人稱視角
 - 添加紋理與光照效果(材質屬性)
 - (DisplayList / Vertex Array)
- 



02

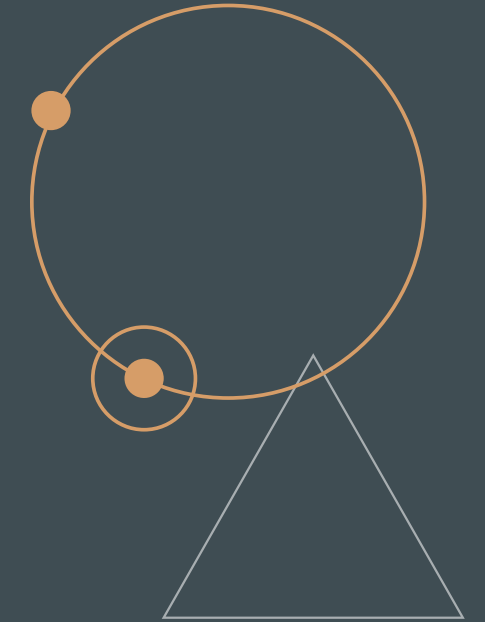
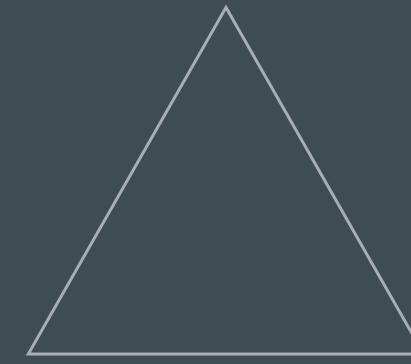
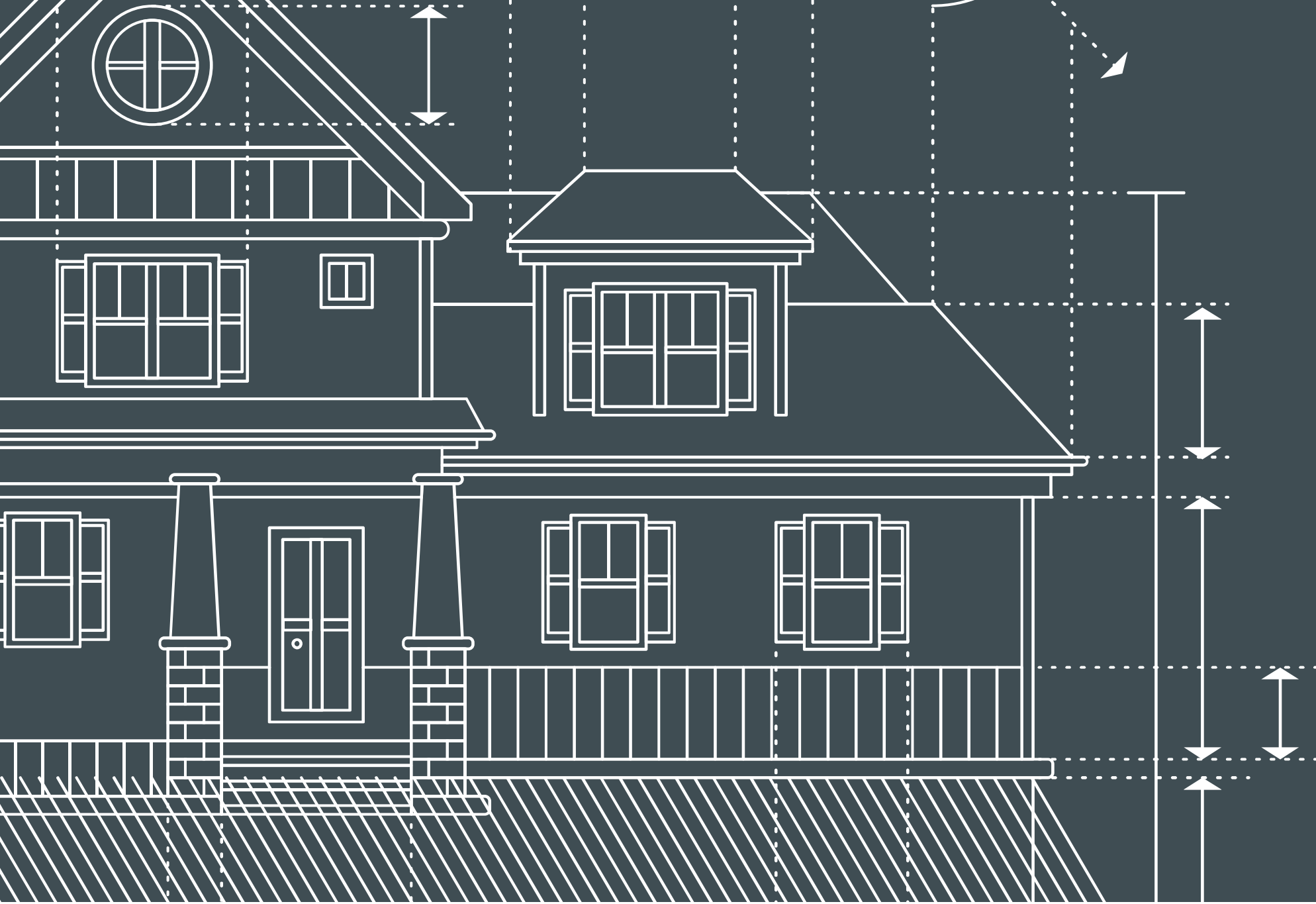
Mini Game -
Breakout





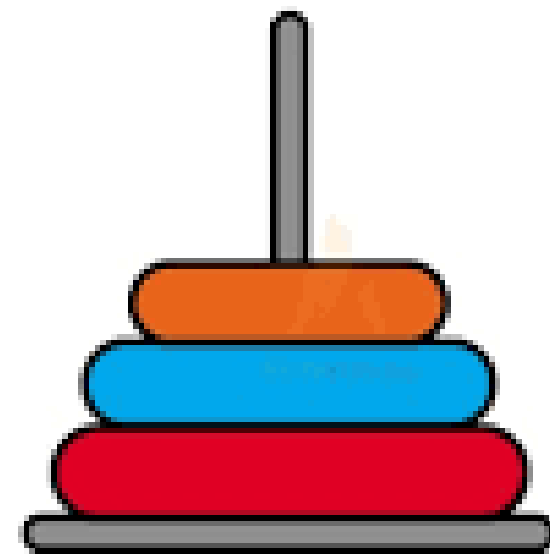
OpenGL / GLUT(2D)

- Orthographic projection
 - Dynamic objects
 - 球體運動、邊界碰撞
 - Store the state of each brick
 - 平台反彈、磚塊碰撞
 - glutSpecialFunc()
 - glutTimerFunc()
- 

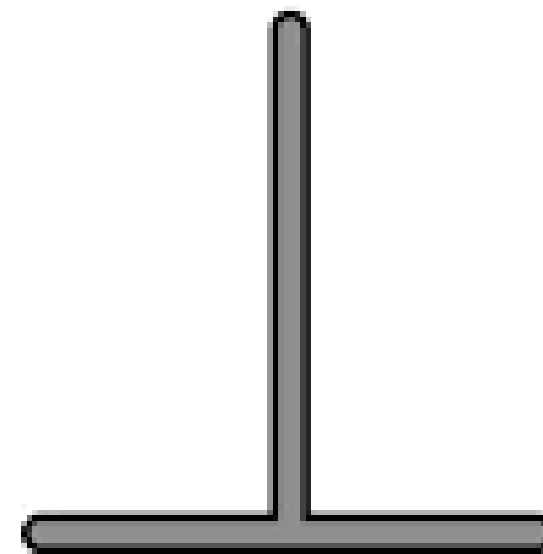


Tower of Hanoi

03



Source



Auxiliary



Destination

OpenGL / GLUT(3D)

- Perspective projection、glutEnable()
- 圓柱、長方體、圓盤
- Recursion of Algorithm
- 第三人稱視角
- Submenu / Input from keyboard
- Trace state of each disk
- glutTimerFunc()

The background features a central white area with the word 'Thanks!' in a bold, dark blue font. This central area is flanked by two vertical orange bars. The left orange bar contains a large circle with a small dark blue dot inside, a square with a diagonal line and a dotted pattern, a solid dark blue circle, and a vertical column of dots. The right orange bar contains a large circle with a dotted pattern, a hexagon with a dotted pattern, a solid dark blue circle, a vertical column of dots, a solid dark blue hexagon, and a large circle with a small dark blue dot inside. The overall design is minimalist and geometric.

Thanks!