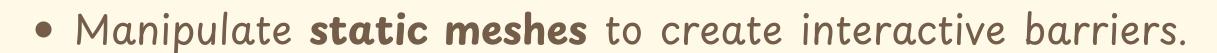


Project - Learning Objectives

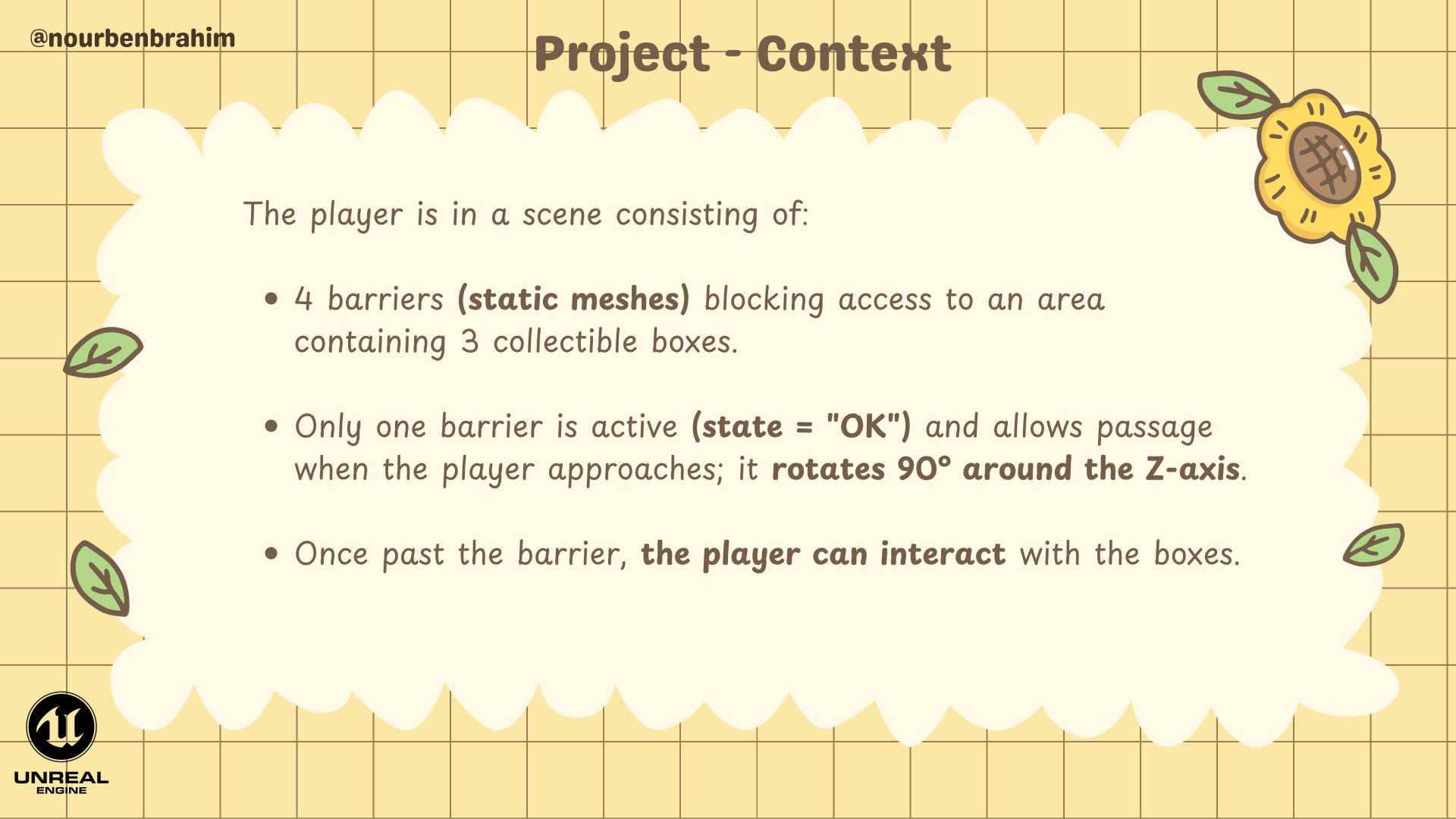


- Use Blueprints to define passage rules.
- Work with variables, conditions, and rotations.
- Manage the display of objects and update the score based on a mathematical equation.
- Implement a game-over condition.









Project - Game Rules

1. Barriers:

- Each barrier has a boolean state variable (isOK).
- Only one barrier has isOK = true.
- Upon interaction, if **isOK = true**, the barrier **rotates 90°** on the Z-axis to open.

2. Box Collection:

• Each box triggers the evaluation of a quadratic equation of the form:

$$==> f(x) = ax + b = 0$$

==> The value of x is provided by a function calcul_x.





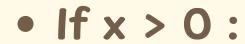








Project - Scoring Rules



- The box becomes invisible.
- The score is increased by 2 points.

• Si $x \le 0$:

- The score is decreased by 1 point.
- The box remains visible but non-interactive.















Get in touch







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