1. Lighting

* Light Component Class
* Light material contains samplers of light
* Shaders code modification
* Forward Rendering Light

1. Game
   * objects (player – Pepsi cans – obstacles(jump over) , obstacles(slide down) , college buildings).
   * 3 textures (sky – street – sun).
     1. Load objects models.
     2. Load sky, street, player.
     3. Position of objects in world.
     4. Define camera space location.
     5. Player sky street position relative to camera position.
     6. Move camera independently with time.
     7. Define Game Logic.

Notes:

1. When space Is pressed -> jump
2. Collision with Pepsi can
3. Collision with obstacles
4. Draw building on left and right.
5. Pepsi and obstacle’s locations
6. Pepsi man motion graphics

Improvements:

1. Collision with pepsi
   1. If collided make pepsi fly away to top of screen then increase power bar.
   2. Add system make fly up to screen then system take it to be repeated.
2. Jump
   1. If jump allow movement left or right.
   2. No obstacle should appear while fly after jumping over an obstacle (will immediately die).
3. Add garden in front of house
4. End state
5. Levels (3 easy medium hard)
6. Game over buttons
7. Light
8. 3 models for better game