Materials, Lighting and

Presentation

Rajeshwaran Ramachandran

Project Overview Horror Hallway Scene

Creating Horror Hallway scene using

Unreal Engine, and lighting technique &

camera angles to improve the scene.

- Story telling
- Lighting and Technique
- Camera Angle
- **Project Focus:**

Immersive Horror environment in Abandoned hospital setting



Reference and Inspiration

Evil Within 2 Lighting reference

Experience Points

Environment reference



Scene Analysis



Research Phase

Horror game reference

Analysed composition

UE5 Lighting documentation Tutorials

- Studied horror game lighting references (The Evil Within 2, Resident Evil series).
- Analysed composition, colour schemes, and contrast in cinematic horror.
- Explored UE5 lighting documentation and tutorials.

Mood & Atmosphere

Objective:

•Create a Scary and engaging atmosphere

Direct player attention using light and shadow

•Highlights key props and areas

Camera Angles:

Dutch Angle

Tunnel shot / leading shot

Dual lighting for contrast

Dark surroundings for tension Reflections to enhance realism

Scene Composition

Camera Angles: Dutch tilt for unease

Focal Point: key props (wheelchair, stretcher)

Composition: Leading lines through hallway design

Camera Angles

Focal Point

Composition

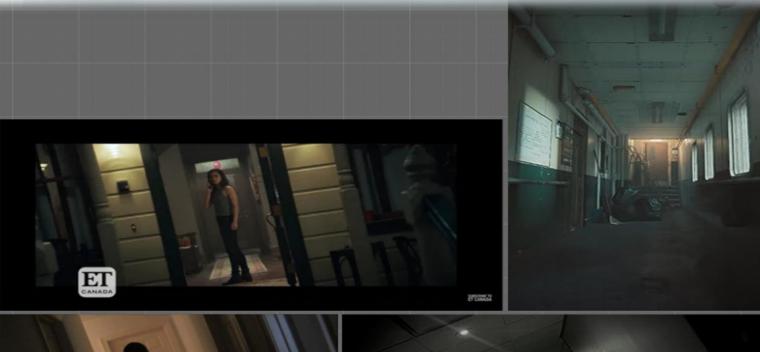


Lighting References



Camera Angles

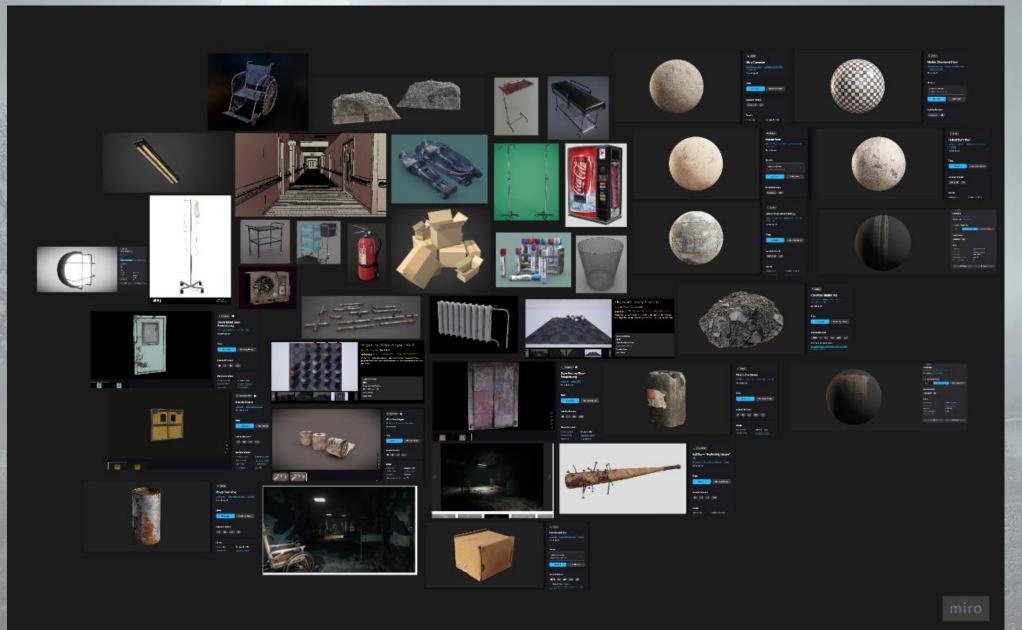
Dutch angle





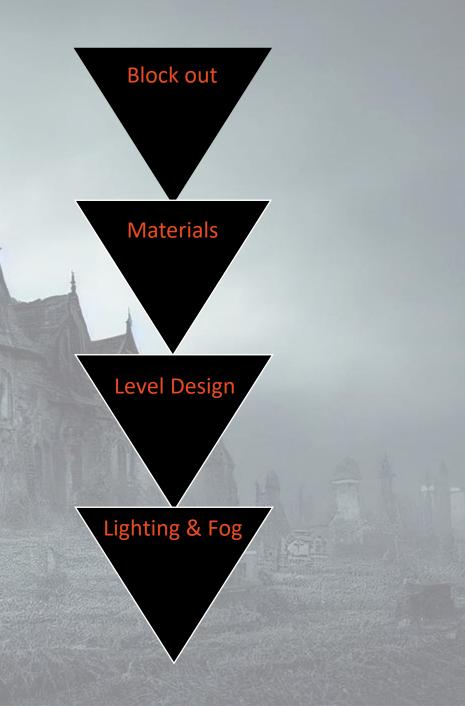


Assets Collection



Development process

- Initial block out of the hospital corridor.
- Adding base materials for walls, floors, and props.
- Starting the level design for the scene.
- Implementing the lighting and fog effects



Progression Screenshots



Iterations and Refinements

•Adjusted light intensity, colours, and positioning.

•Tweaked material properties for roughness and reflections.

•Introduced flickering and animated lighting elements.



Material Techniques

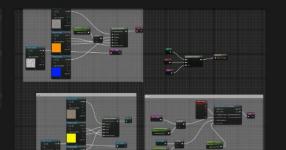
Materials used for the scene



Floor



Material blending

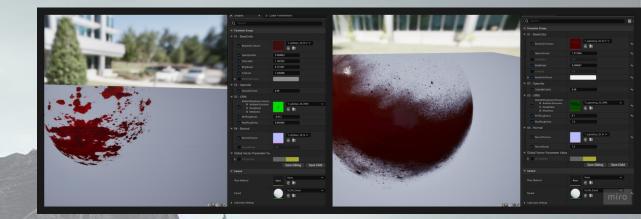


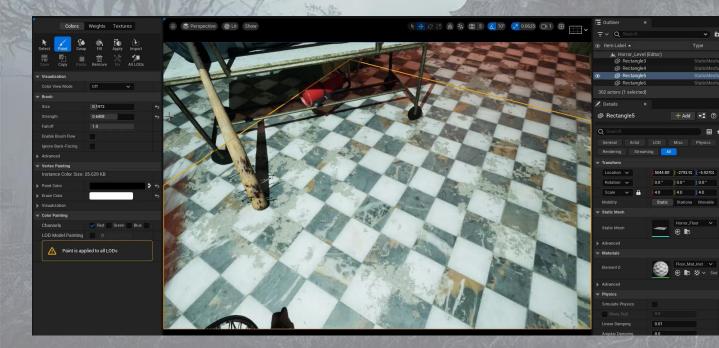
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Material techniques

Used Material Blending for grime and dirt.Vertex Painting to dirt to surfaces.

•Blood decals materials used on floor and wall



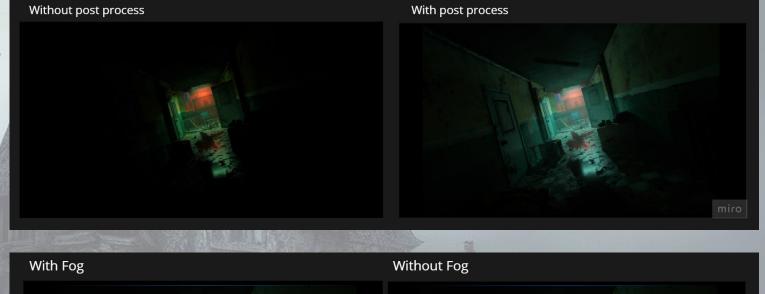


Material Techniques

Post processing effects:

Colour grading

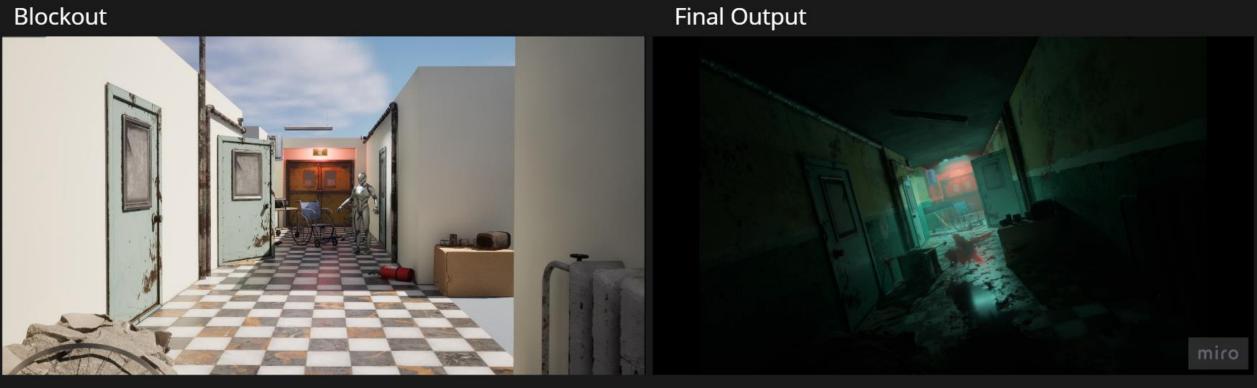
Shadows, Midtones, and Highlights





Block out – Final scene

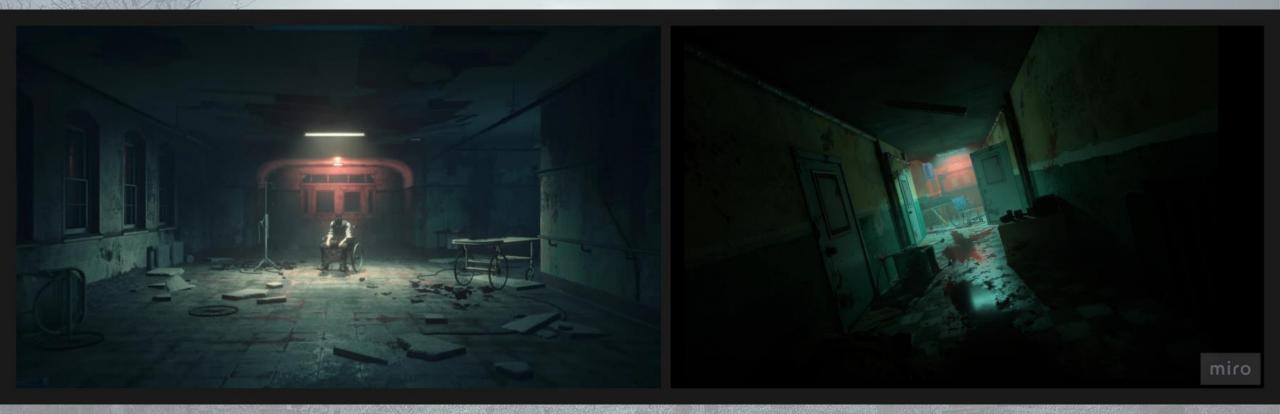
Blockout



Breakdown



Comparison



Final Renders



Conclusion

Learning Outcomes & Future improvements



Render Video



Thank you, souls