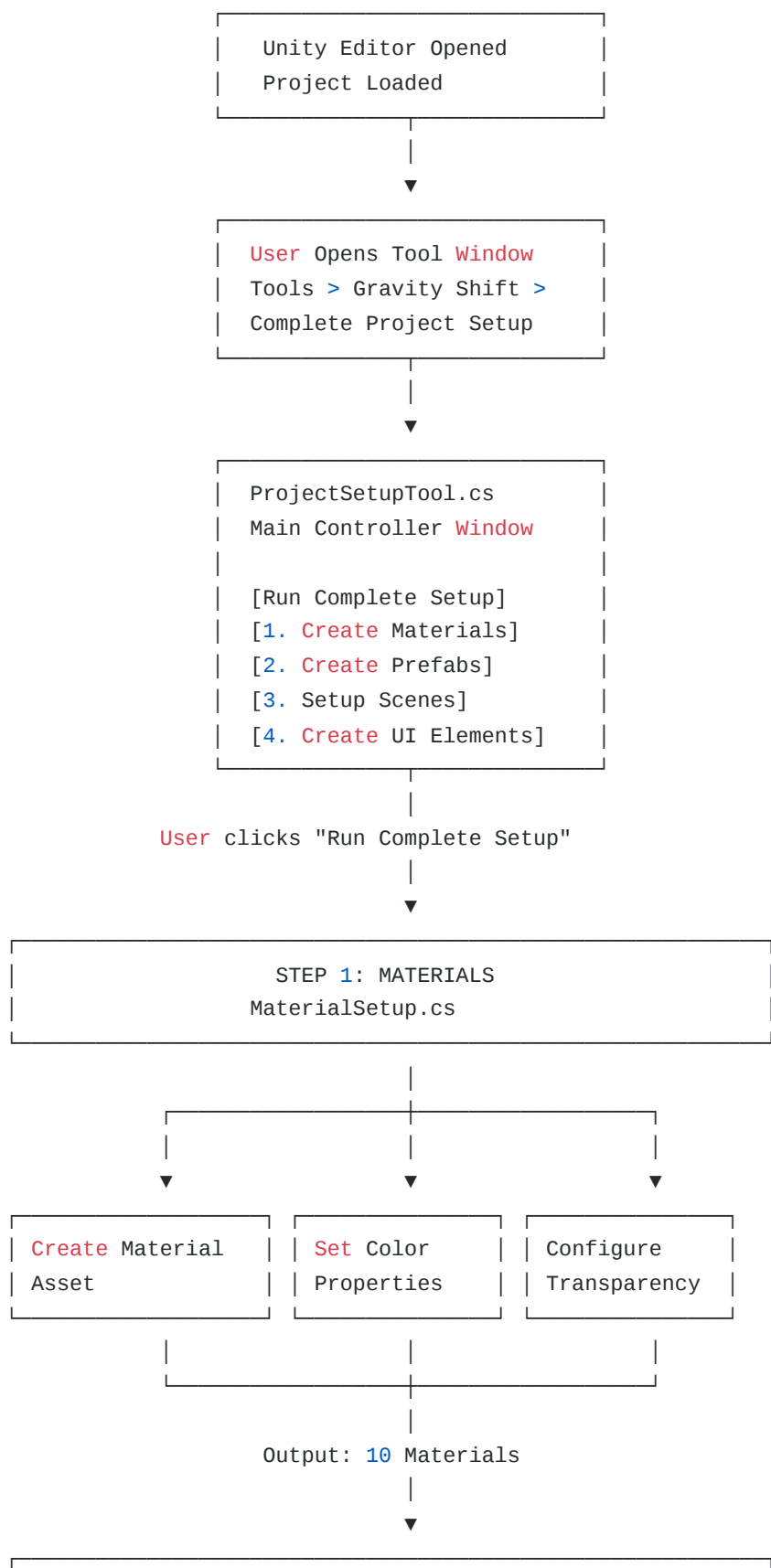
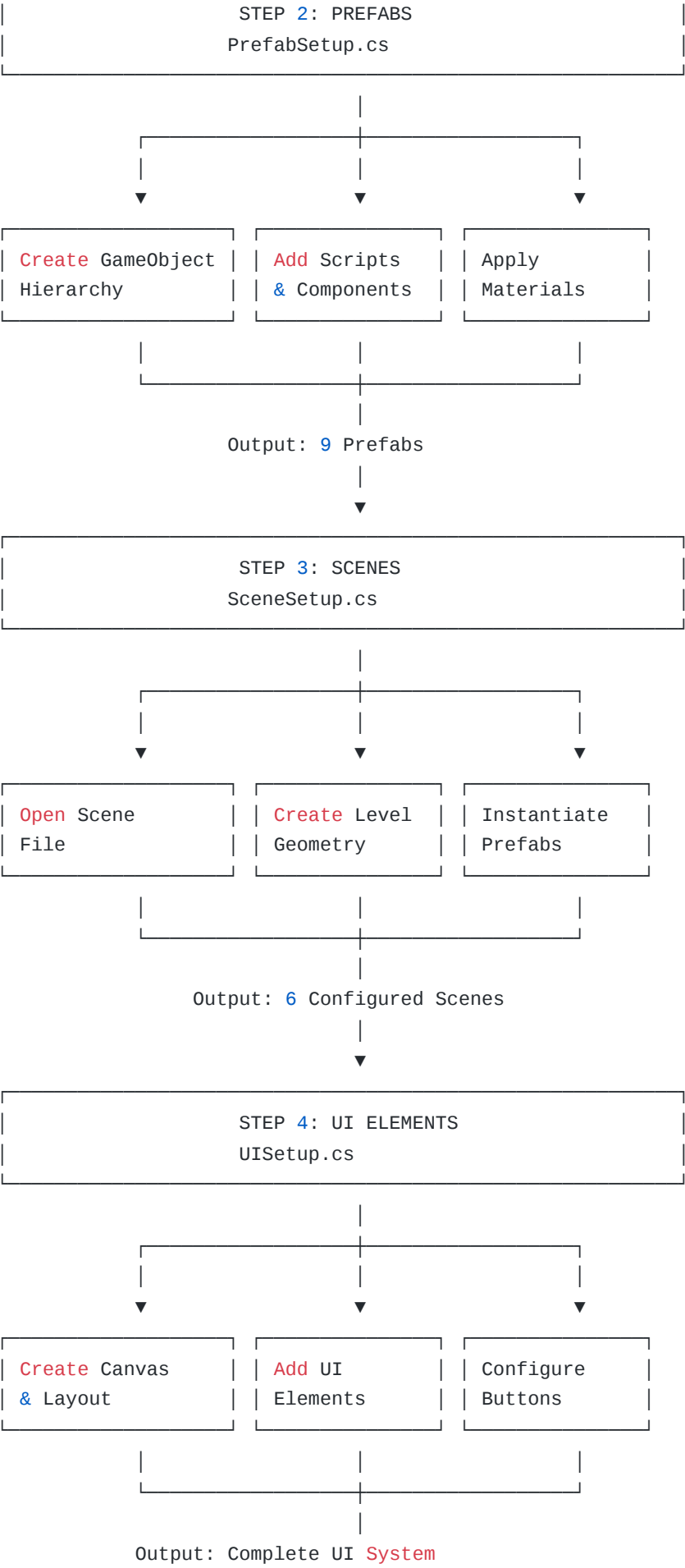


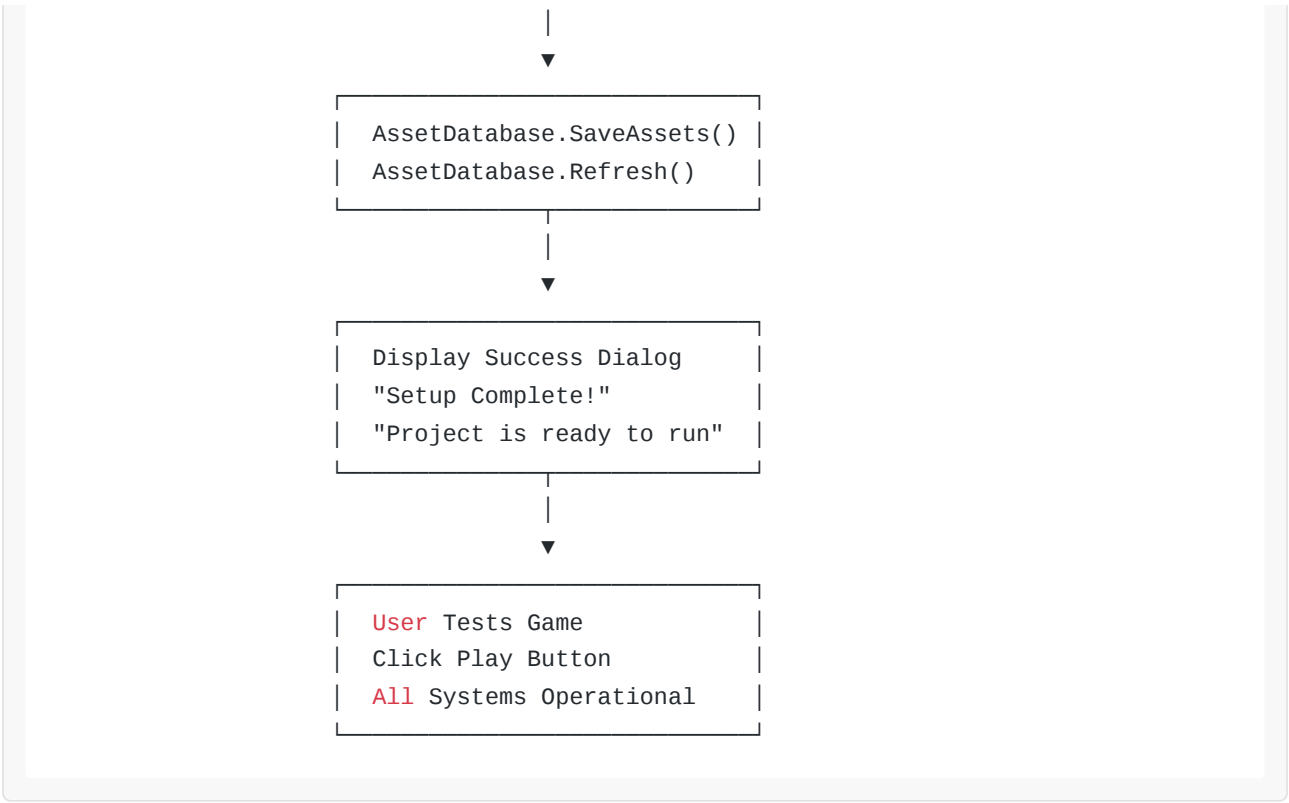
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AUTOMATED PROJECT SETUP TOOL -

WORKFLOW DIAGRAM







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DETAILED MODULE FLOW

MaterialSetup.cs Flow:

CreateAllMaterials() | |> CreateMaterial("PlayerMaterial", Blue) |> CreateMaterial("CrystalMaterial", Cyan) |> CreateMaterial("GroundMaterial", Gray) |> CreateMaterial("WallMaterial", DarkGray) |> CreateMaterial("CheckpointMaterial", Green) |> CreateMaterial("EnemyMaterial", Red) |> CreateMaterial("BarrierMaterial", Yellow, Transparent=true) |> CreateMaterial("PlatformMaterial", Brown) |> CreateMaterial("HazardMaterial", DarkRed) |> CreateMaterial("ExitPortalMaterial", Purple)

PrefabSetup.cs Flow:

CreateAllPrefabs() | |> CreatePlayerPrefab() | |> Create Capsule body | |> Add Camera child | |> Add CharacterController | |> Attach PlayerController script | |> Attach GravityController script | |> Attach PlayerEnergy script | |> Save as Player.prefab | |> CreateCrystalPrefab() | |> Create rotating cube | |> Add trigger collider | |> Attach CrystalPickup script | |> Save as Crystal.prefab | |>

CreateCheckpointPrefab() |→ CreateEnemyPrefab() |→ CreateBarrierPrefab() |→
CreatePlatformPrefab() |→ CreatePressurePlatePrefab() |→ CreateHazardZonePrefab()
|→ CreateExitPortalPrefab()

SceneSetup.cs Flow:

SetupAllScenes() | |→ SetupMainMenuScene() | |→ Create GameManager | |→
Create AudioManager | |→ Create MainMenuCanvas | |→ SetupLevel1Scene() | |→
Create ground and walls | |→ Instantiate Player at start position | |→ Place 3 crystals |
|→ Add checkpoint | |→ Create tutorial platforms | |→ Place exit portal | |→
Create HUD Canvas | |→ SetupLevel2Scene() [Moving Platforms] |→ SetupLevel3Scene()
[Hazards] |→ SetupLevel4Scene() [Mechanisms] |→ SetupLevel5Scene() [Final Challenge]

UISetup.cs Flow:

CreateAllUI() | |→ CreateMainMenuUI() | |→ Create title text | |→ Create subtitle |
|→ Create Play button | |→ Create Options button | |→ Create Quit button | |→
Create language selector (EN/CN/JP/KR) | |→ CreateGameHUD() | |→ Create energy bar
(background + fill + text) | |→ Create crystal counter | |→ Create score display | |→
Create gravity indicator | |→ CreatePauseMenuUI()

```
|> Create overlay background
|> Create menu panel
|> Create Resume button
|> Create Restart button
|> Create Main Menu button
|> Create Quit button
|> Save as PauseMenu.prefab
```

DATA FLOW DIAGRAM

```
[User Input]
|
▼
```

[ProjectSetupTool]



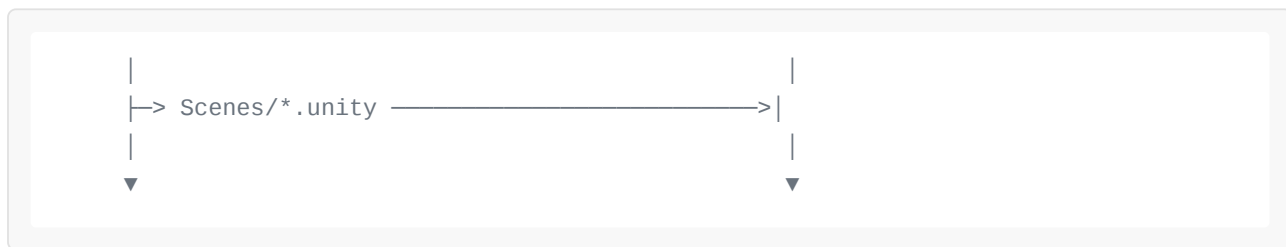
[MaterialSetup] [Asset Database]



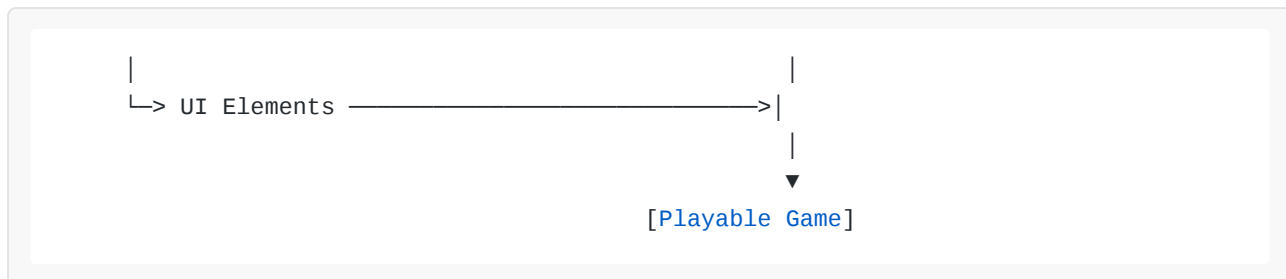
[PrefabSetup] [Project Window]



[SceneSetup] [Scene View]

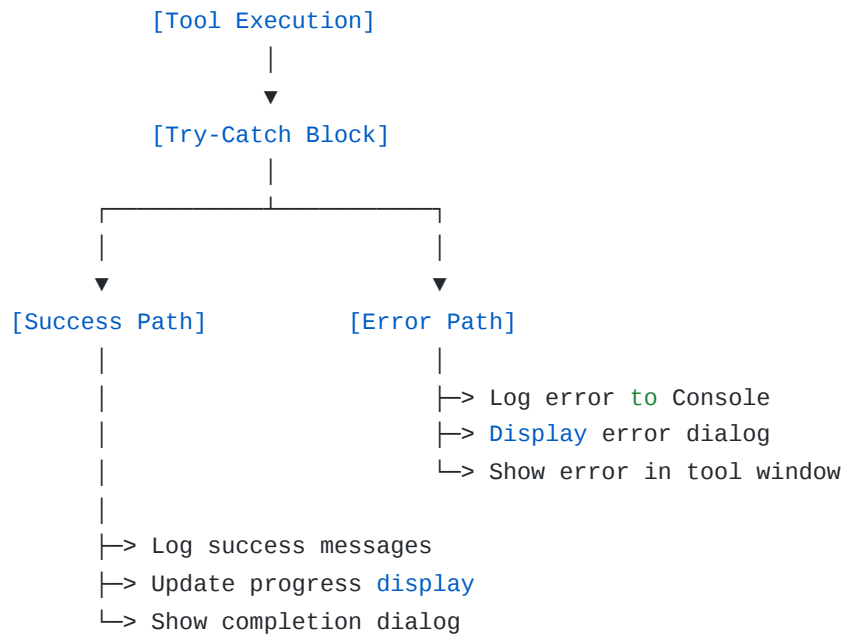


[UISetup] [Game View]

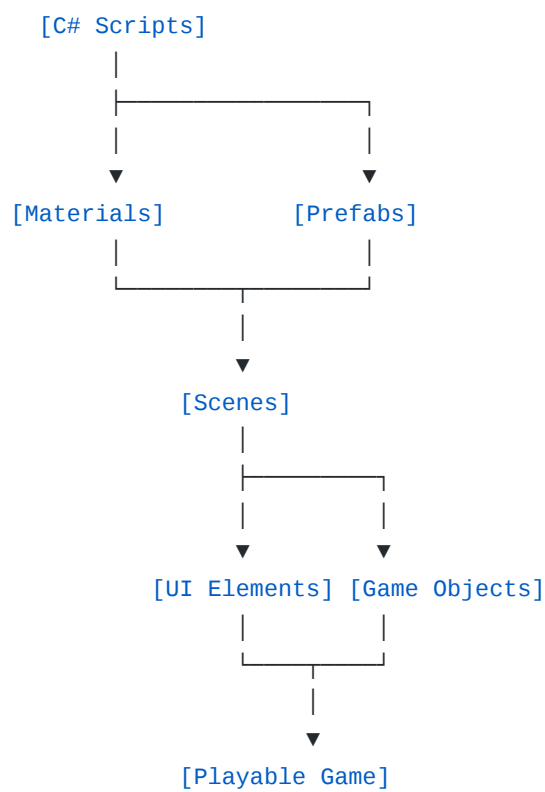


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ERROR HANDLING FLOW



ASSET DEPENDENCY GRAPH



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END OF WORKFLOW DIAGRAM
