Documentation

Resolution: 1024 x 768

Controls

```
WASD → Move
1-9 → Inventory
```

Collision Check Function

```
// Collision Check, Check if two rectangles intersect
bool CheckCollision(const SDL_Rect& a, const SDL_Rect& b) {
   // Check if two rectangles intersect
   return (a.x < b.x + b.w) &&
        (a.x + a.w > b.x) &&
        (a.y < b.y + b.h) &&
        (a.y + a.h > b.y);
}
```

Basically if you're on the ground, it needs collision check in order to no clip downwards

And it's for placing blocks and being able to stand on it

Cloud Animation

```
// Initialize clouds
for (int i = 0; i < 5; ++i) {
   Cloud cloud;
   cloud.position.x = static_cast<float>(rand() % 1024);
   cloud.position.y = static_cast<float>(rand() % 200);
   cloud.speed = 0.0f + static_cast<float>(rand() % 100);
   cloud.texture = cloudTexture;
   SDL_QueryTexture(cloud.texture, NULL, NULL, &cloud.width, &cloud.height); // Get width and height from texture clouds.push_back(cloud);
}
```

Sources

OpenGameArt.org → Character and Soundtrack

Documentation 1

<u>https://fc.sitefactory.info/ (ファミコン風 オリジナル効果音 - FC音工場 (sitefactory.info))</u> → Jump Sound Effect

https://pngtree.com/ (Pixel Set Vector PNG Images, Pixel Cloud Set, Pixel, Cloud, Set PNG Image For Free Download (pngtree.com)) - Cloud png

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