

CS250 Intro to CS II

Spring 2019

Sprites

- A sprite is a graphic image used in game development.
- In SDL you need to:
 1. Load the images into memory using `loadSprite`
 2. Display the images to the screen using `drawSprite`
 3. `SDLSprite`

ufo.png

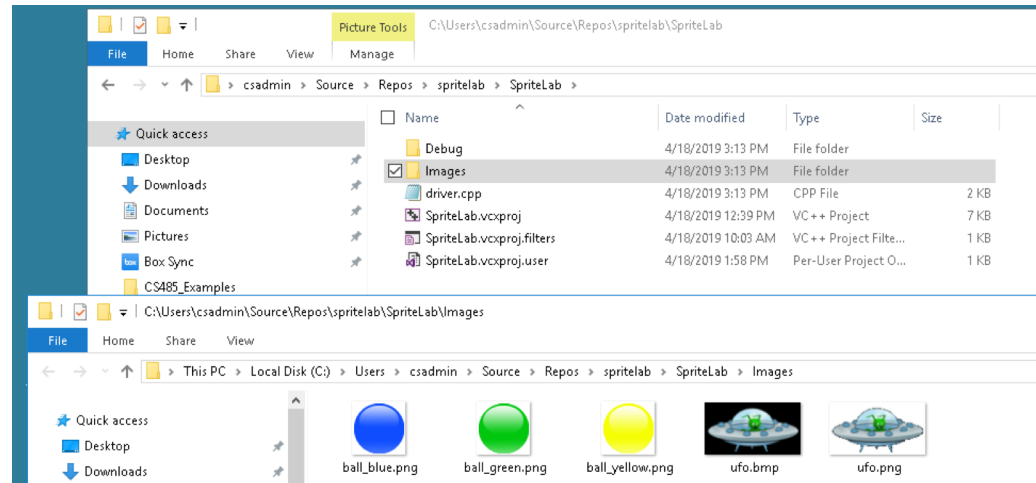


Images

- Use SDL_Image library!
- Images are commonly saved as bitmaps
- bitmap – data that describes every pixel in an image
- Acceptable file formats include: .bmp, .jpeg, and .png
- SDLManager has basic sprite functionality

Where to place images?

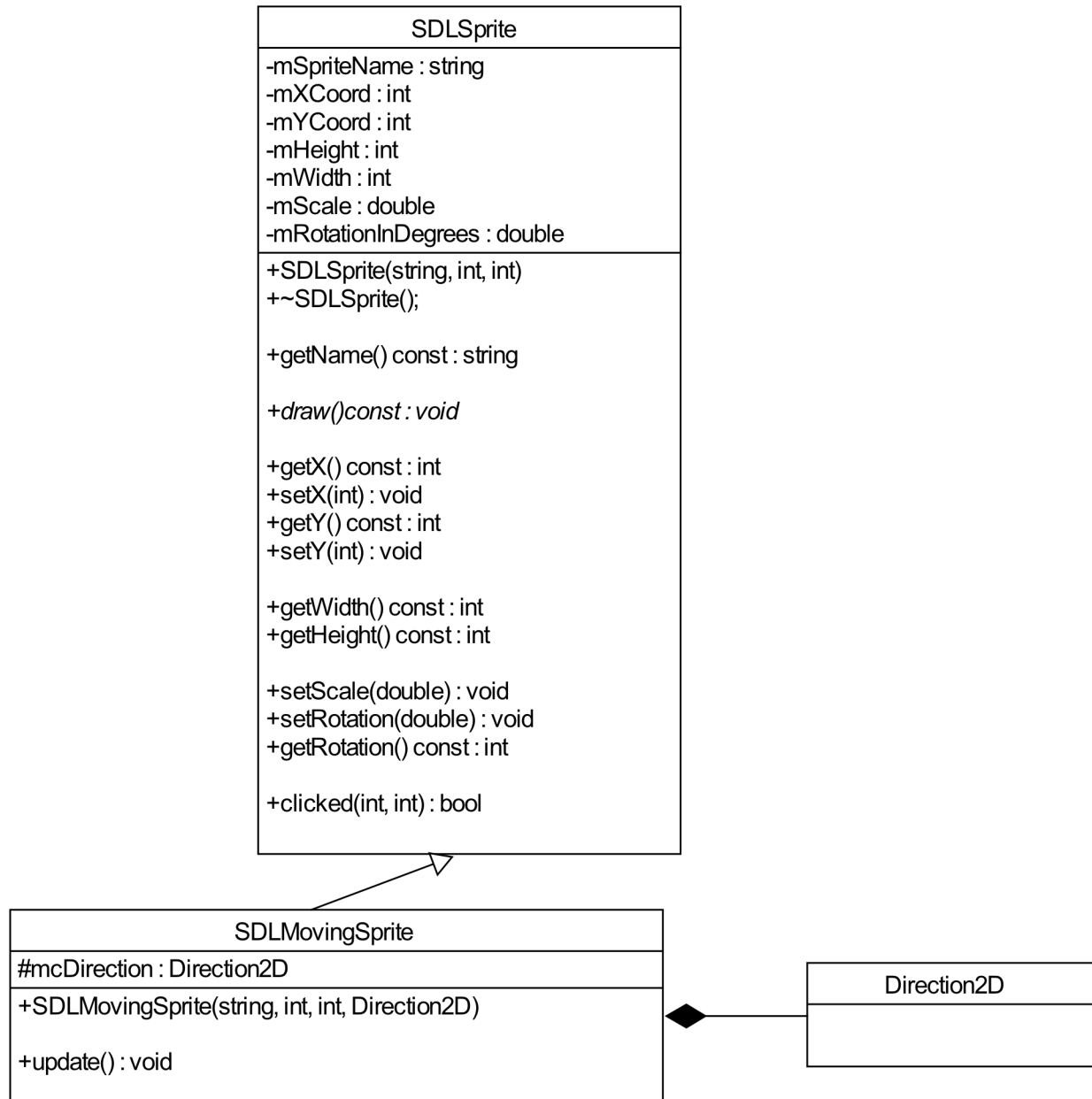
- Place images exactly as you would a text file
- Can make a folder inside of the project folder



```
SDLSprite("Images\\ufo.png", 100, 100);
```

SpriteLab

- Grab SpriteLab from CS250 Public
- A UML diagram is included



Code

```
SDLMovingSprite *pcMS = new SDLMovingSprite("Images\\ufo.png",  
                                             100, 100, Direction2D::SE);
```

```
pcMS->update();  
psMS->draw();
```

```
delete pcMS;
```

Your Task

- Add two moving sprites, one green ball, one blue ball to the SpriteLab driver, at random locations, directions, and speeds.
- The images are in SpriteLab\Images

