



GOAL: IMPROVED UX

Background

Animations

Game Figures

VISUAL CHANGES







INTERACTIONS

- click-based user interaction
- sound effects

GAME LOGIC

- game board generation
- + (new card, pushing Mechs)







ANIMATIONS

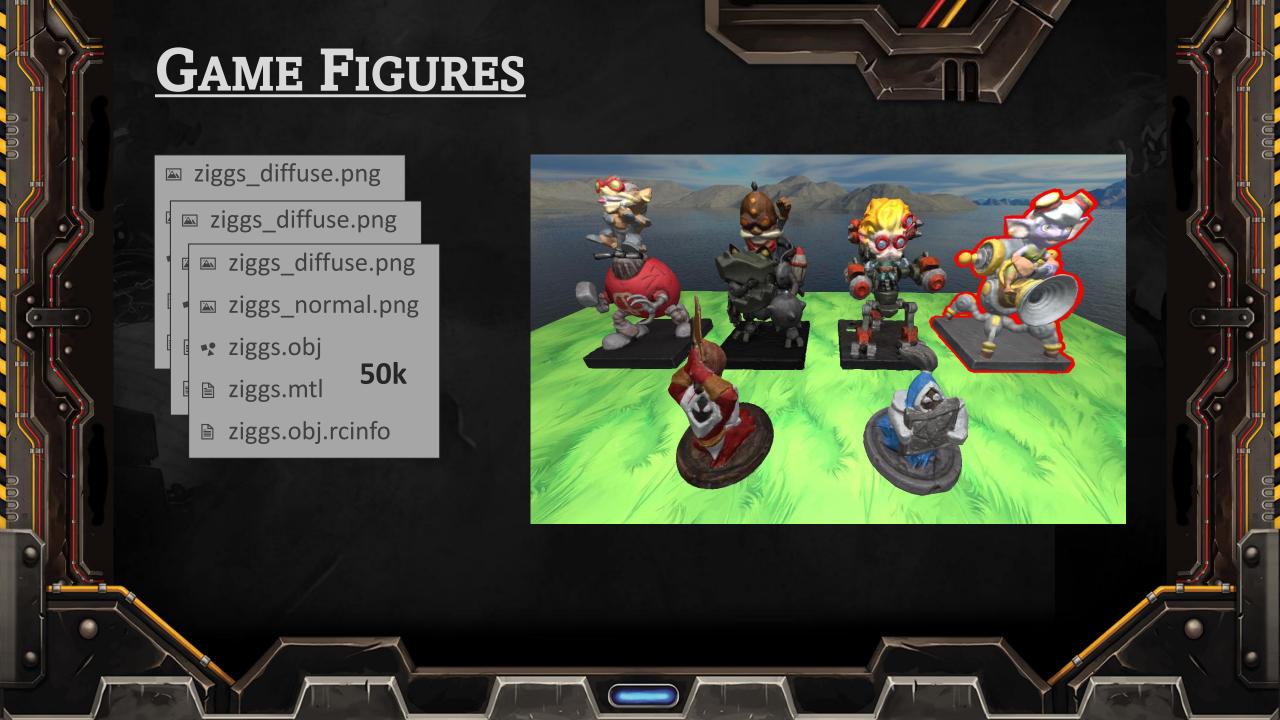
```
/// <summary>
/// Value between 0 and 1 where 0 means that the animation just started and 1 that it has finished
/// </summary>
private float NormalizedAnimationTime => (float)(_playedDuration.TotalMilliseconds / _animationDuration.TotalMilliseconds);
1 reference | ubvwp, 16 hours ago | 1 author, 1 change
private void UpdatePassedTime(TimeSpan passedTime)
    _playedDuration = _playedDuration.Add(passedTime);
1 reference | ubvwp, 16 hours ago | 1 author, 1 change
private void UpdateInstance()
    var currentPosition:Vector3 = CalculateCurrentPosition();
    var currentAngle:float = _orientation.ToFloatAngle();
    _renderableInstanceState.Update(_instanceHandle, mutator: instance => instance with {
        ModelTransform = Matrix4.CreateRotationY(currentAngle) * Matrix4.CreateTranslation(currentPosition)
    3);
1 reference | ubvwp, 16 hours ago | 1 author, 1 change
private Vector3 CalculateCurrentPosition()
    => _startPosition + Vector3.Multiply(_directionFromStartToEnd, NormalizedAnimationTime);
```



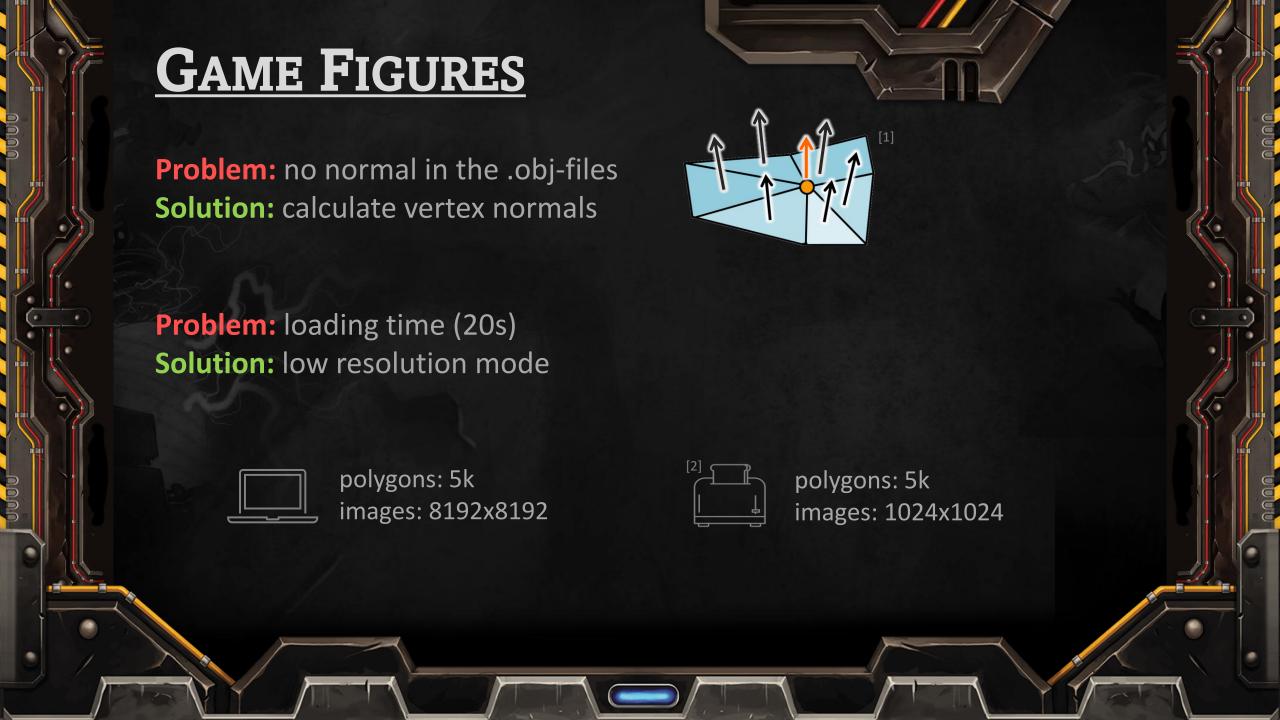




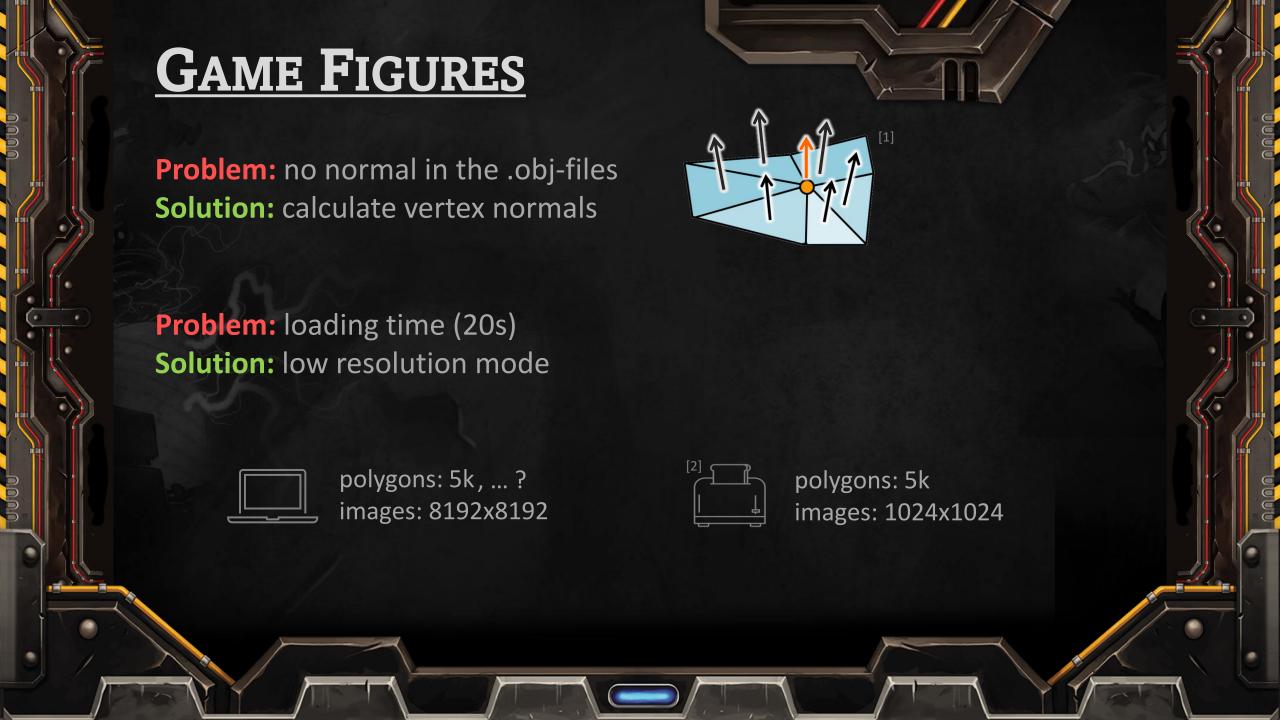












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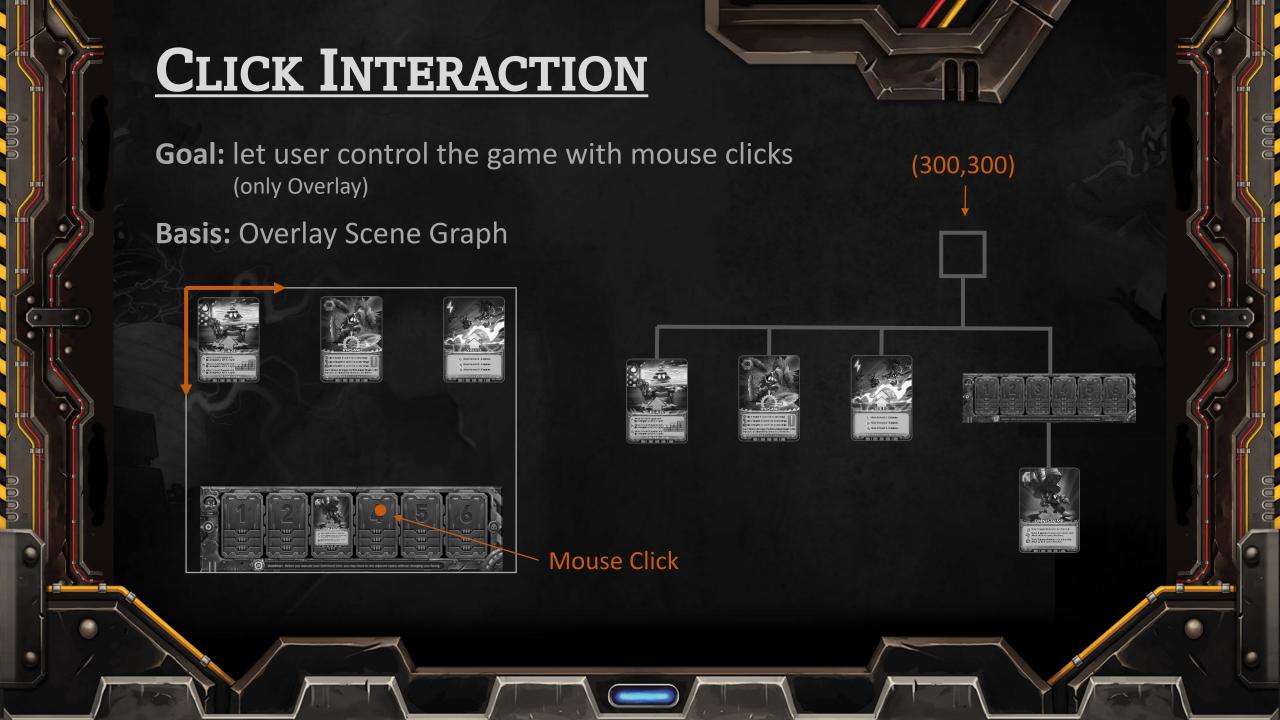
GAME LOGIC

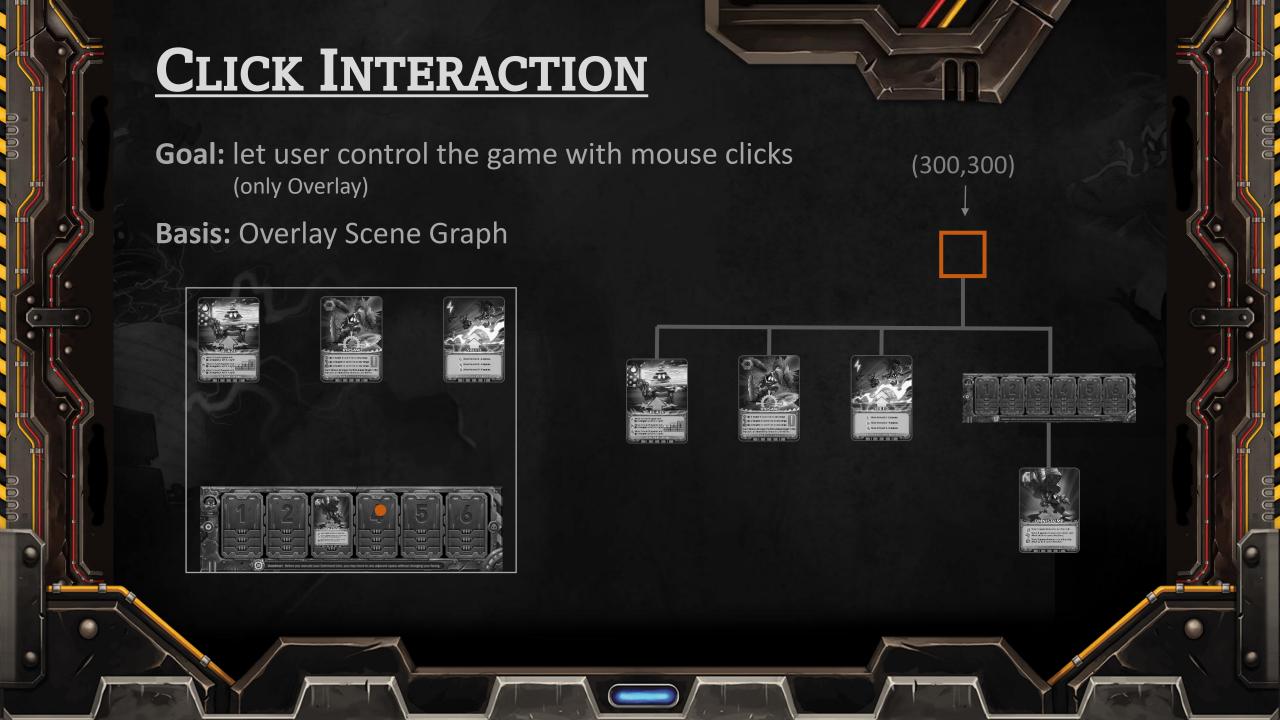
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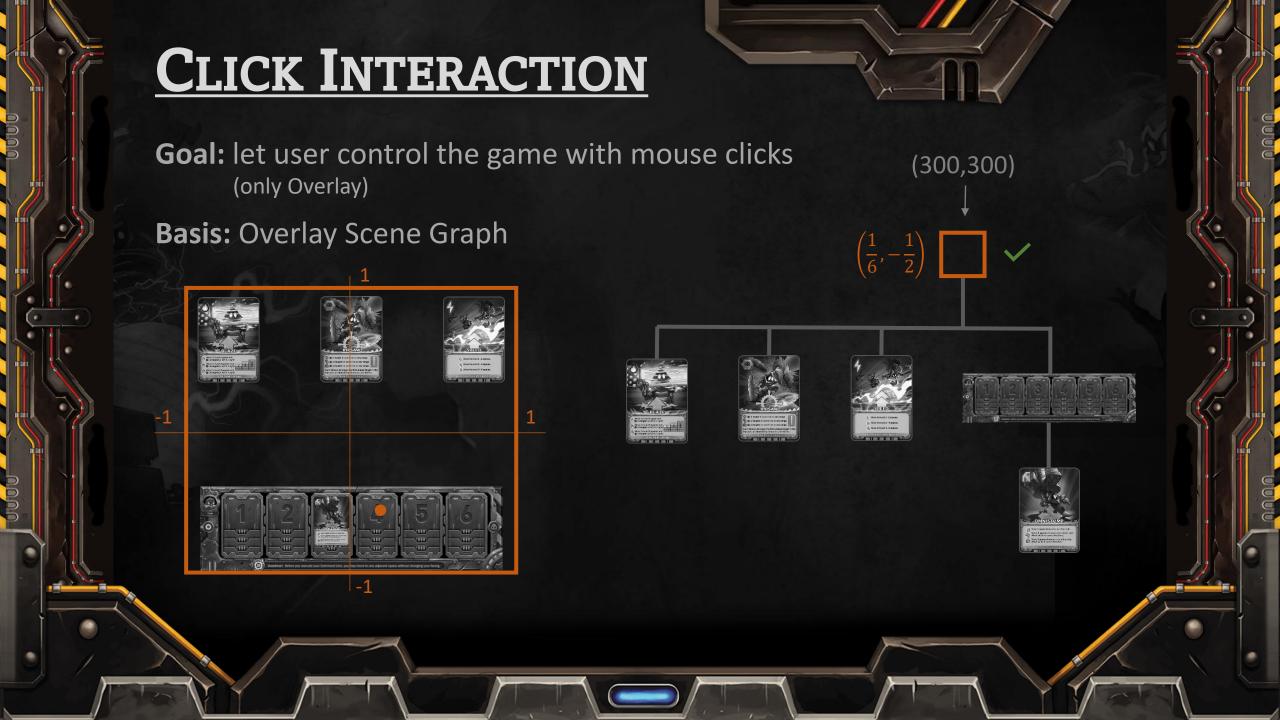


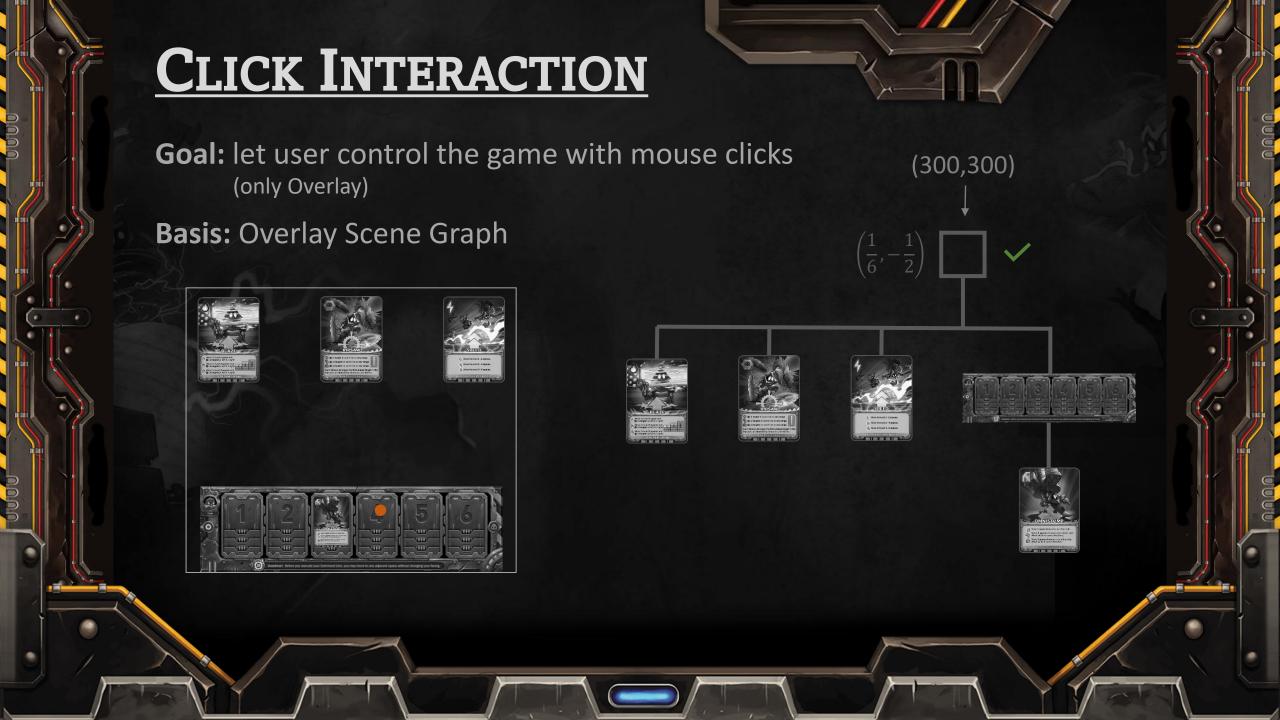


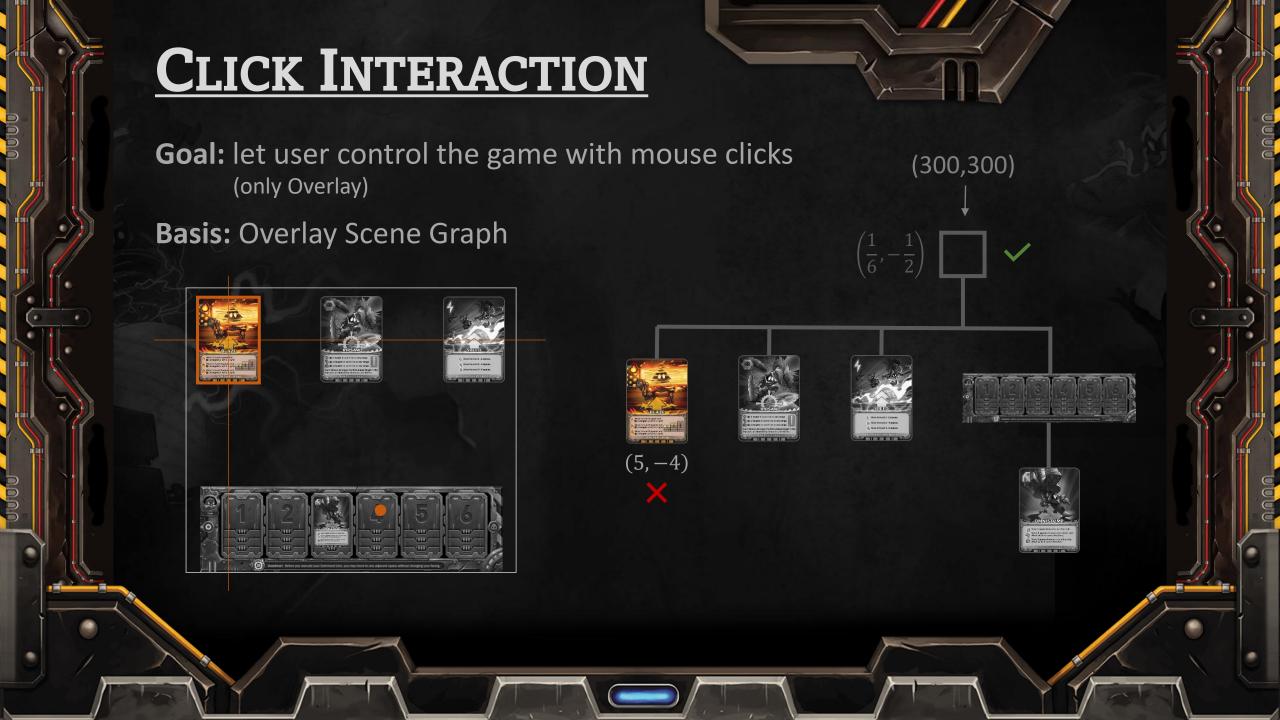


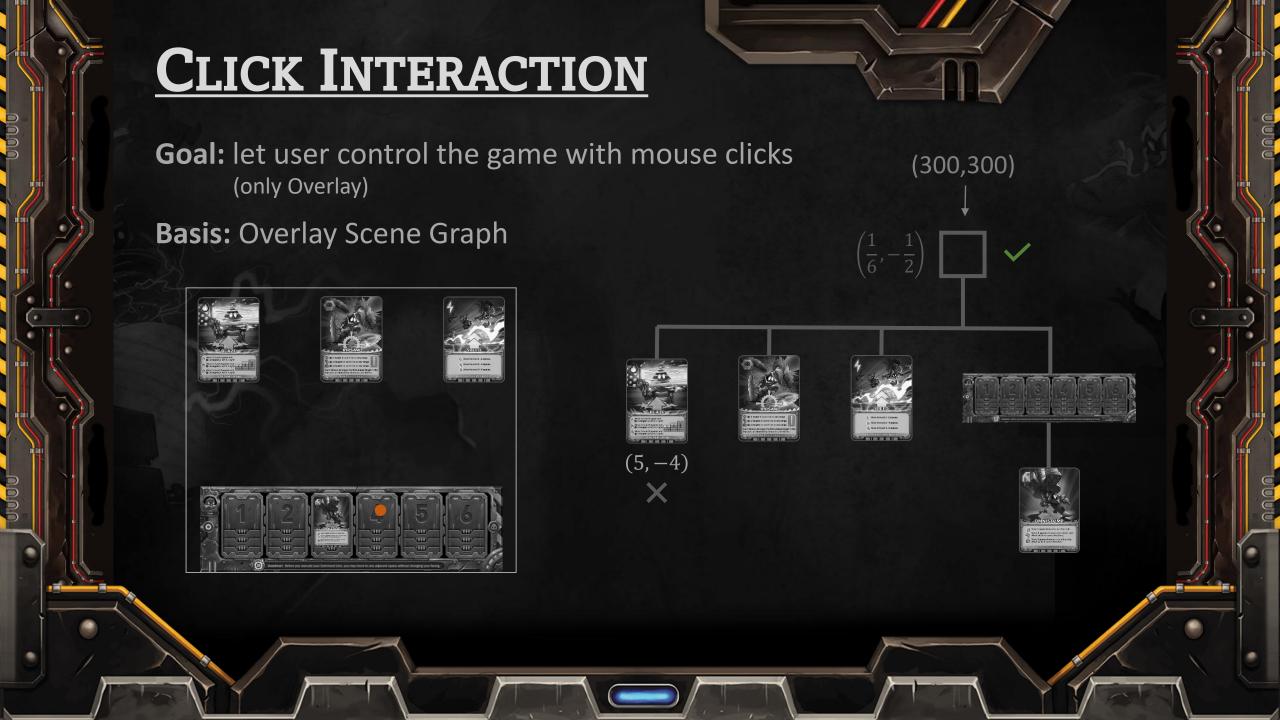


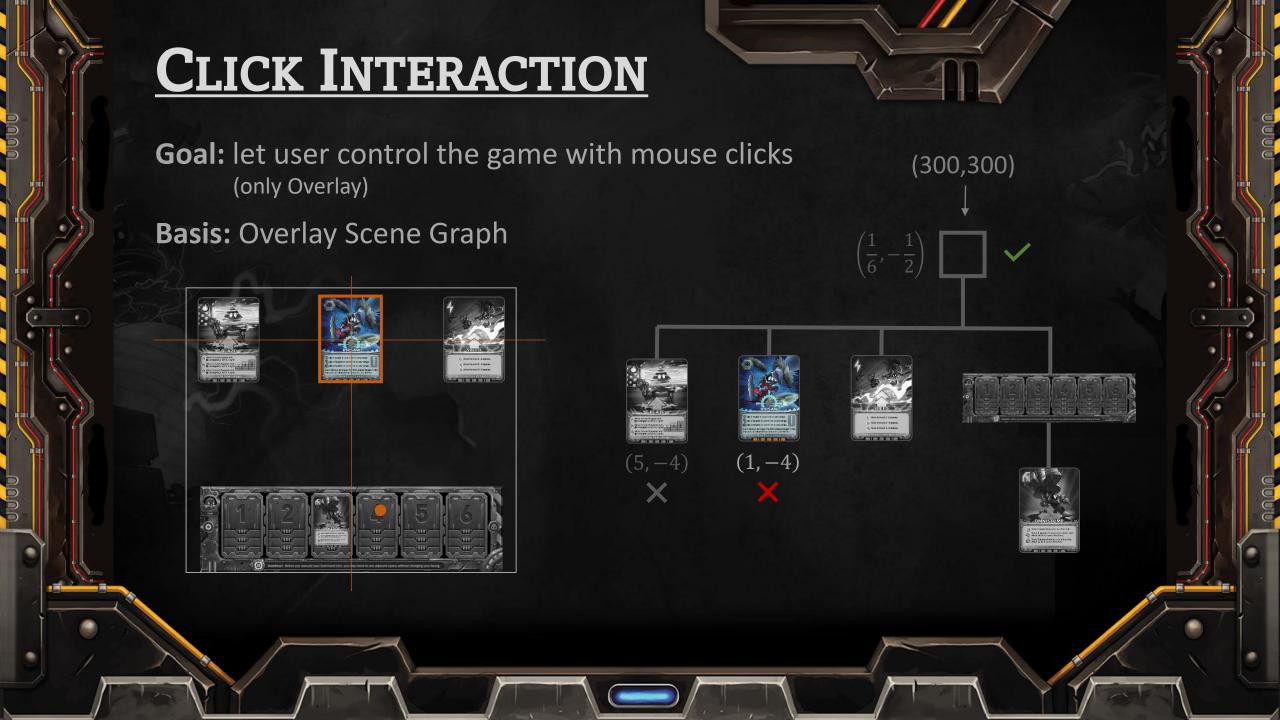


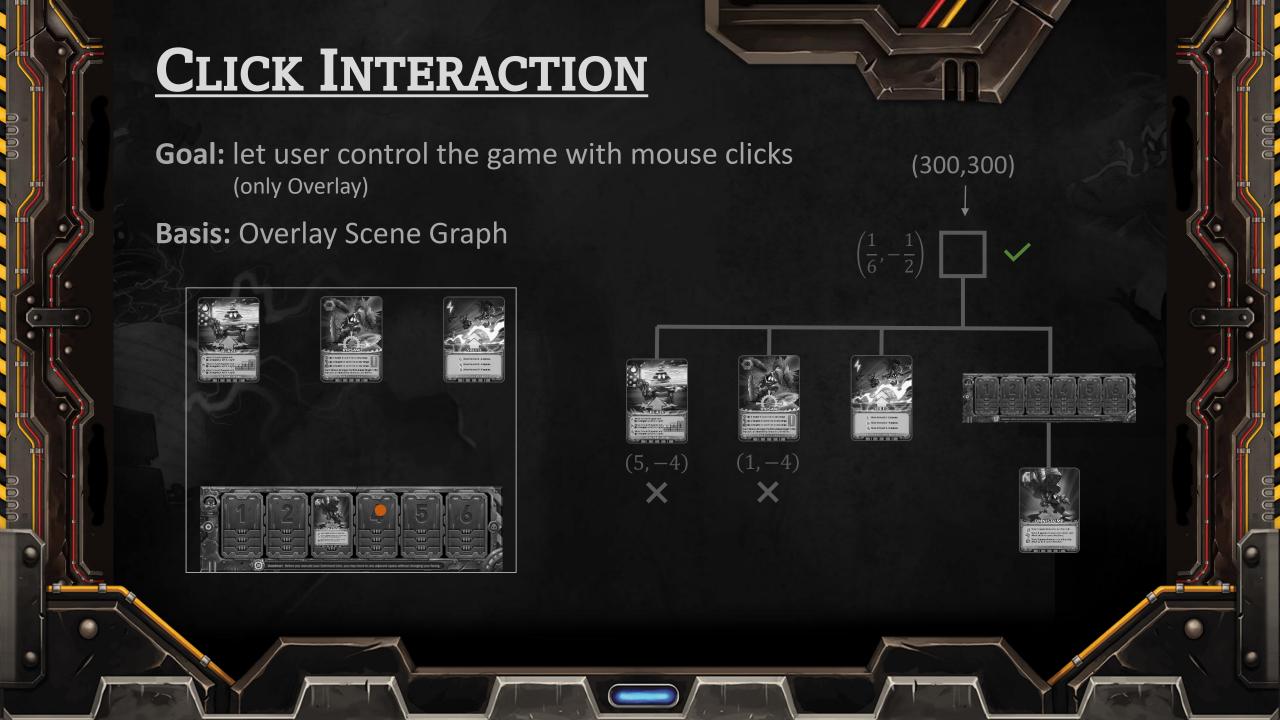


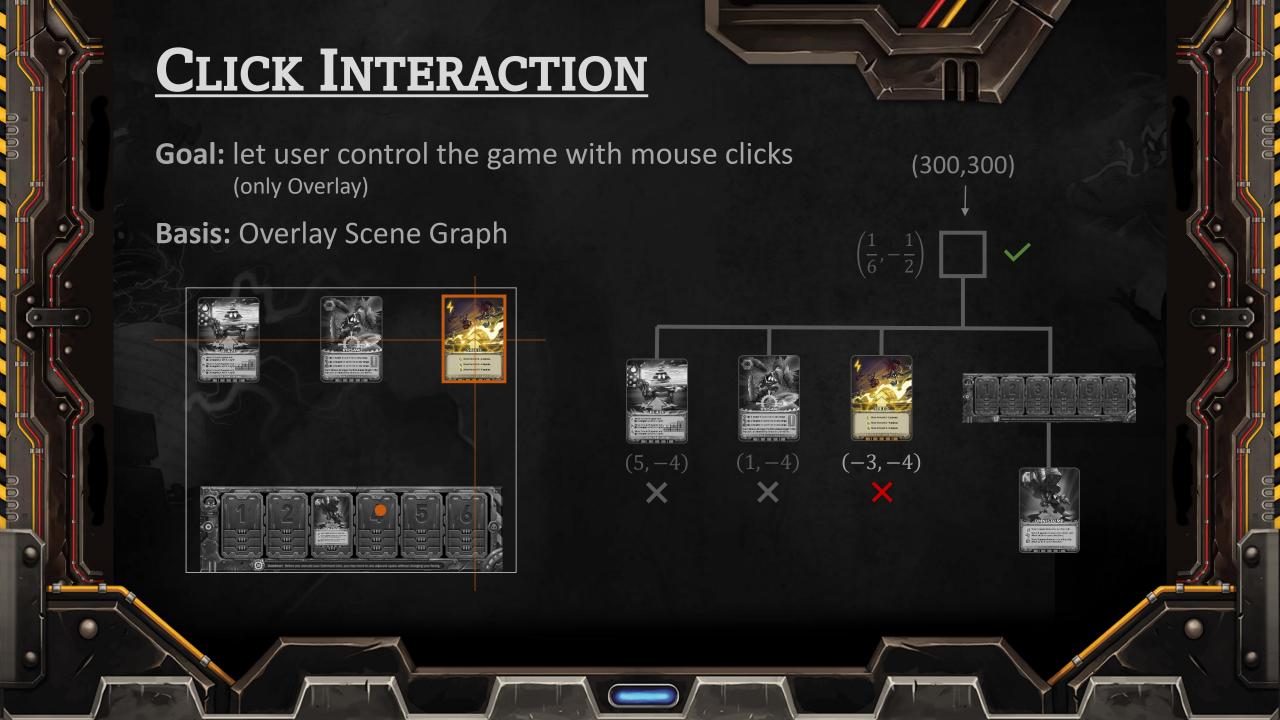


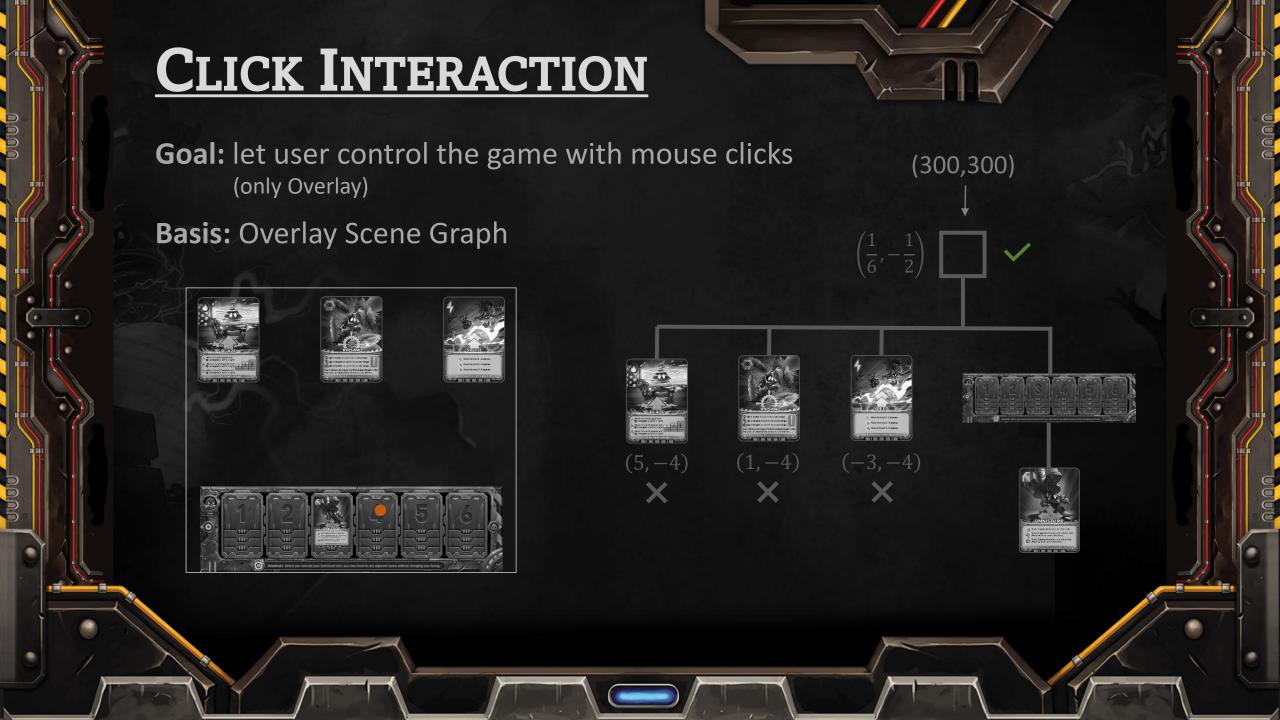


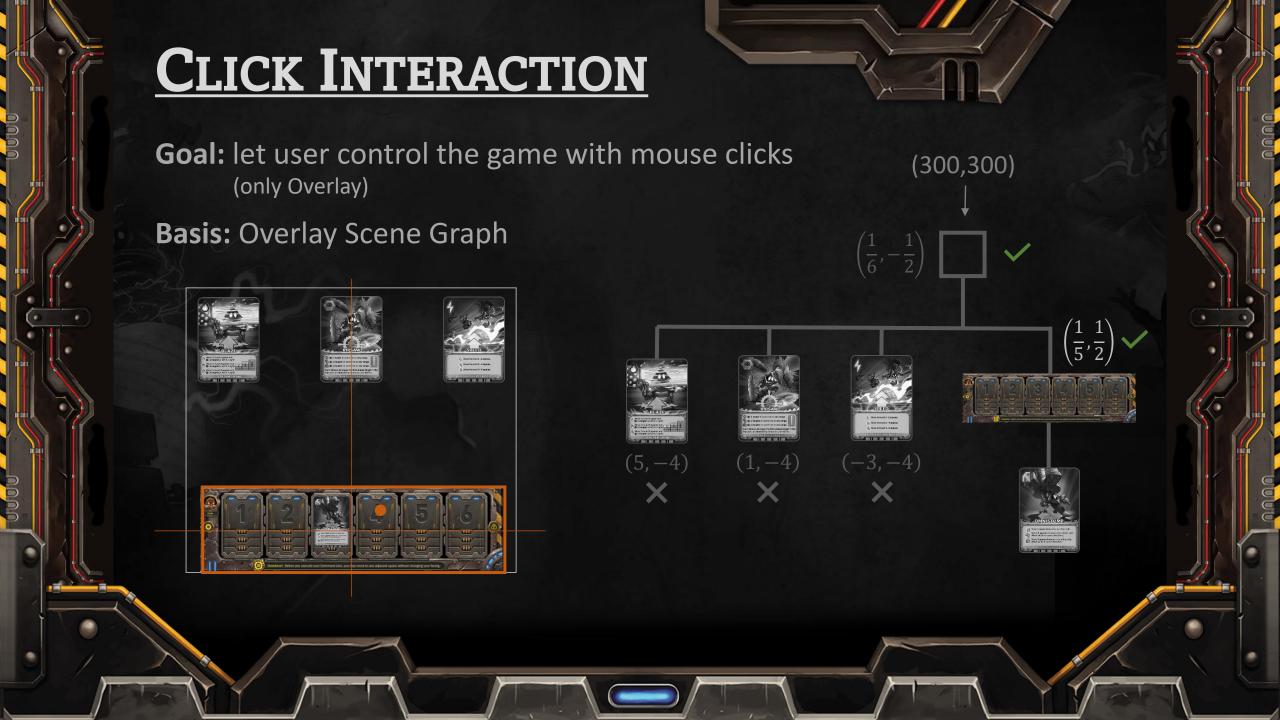


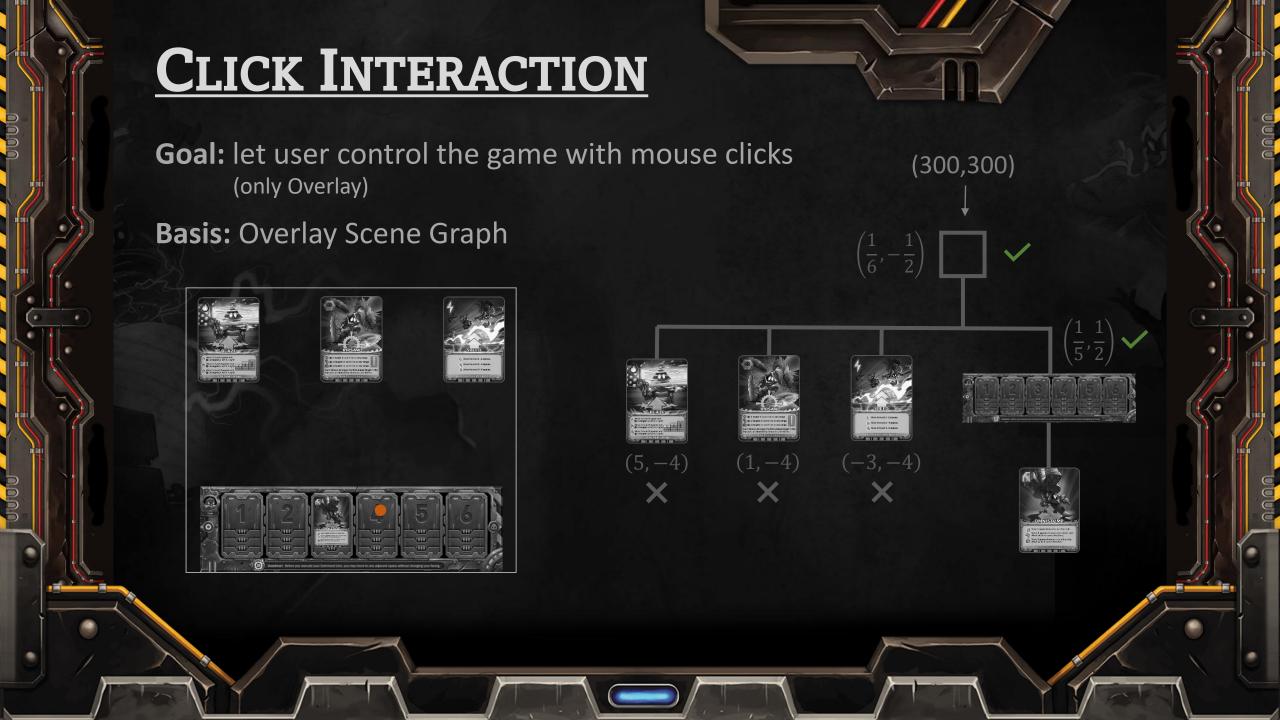


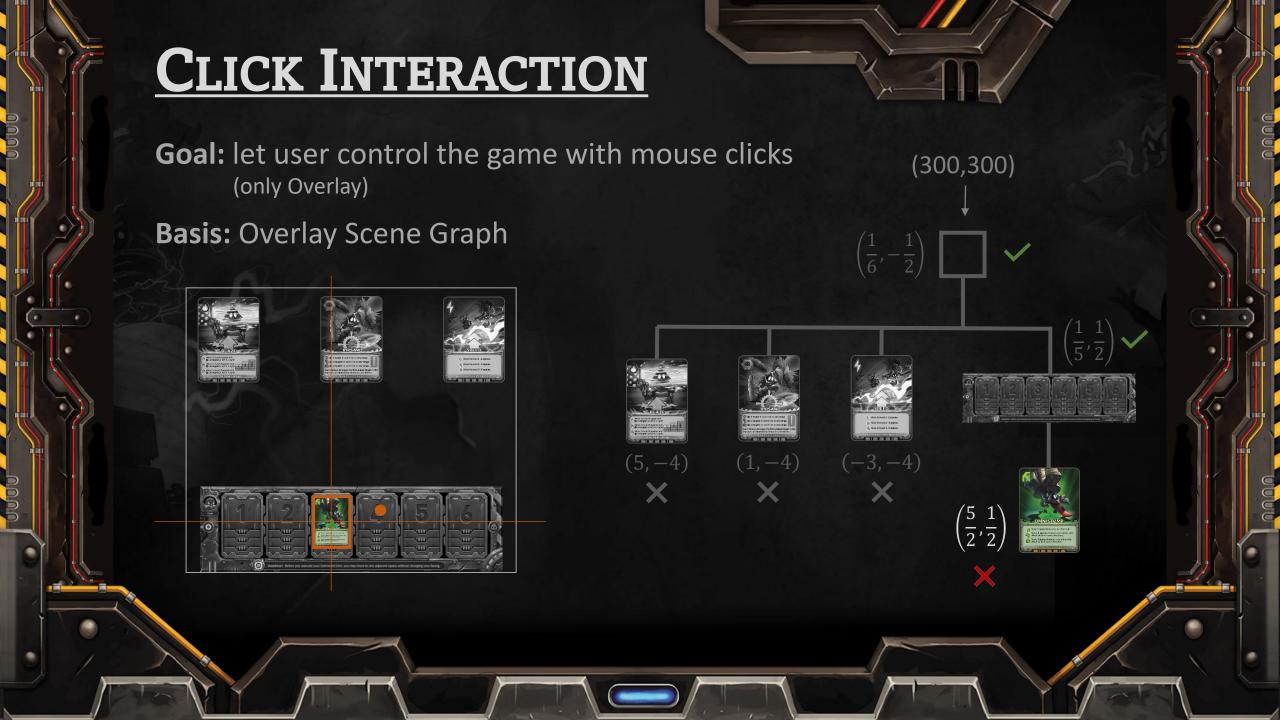


















Mapping: Overlay Instance → *Action*



"Place card in slot ..."



"Confirm"



"Select direction ..."

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SOUND EFFECTS 1 reference | uekip, 12 days ago | 1 author, 1 change public static void Load() ALBase.RegisterOpenALResolver(); var device = ALC.OpenDevice(devicename: null); var context = ALC.CreateContext(device, attributeList: Array.Empty<int>()); ALC.MakeContextCurrent(context); 1 reference | uekip, 12 days ago | 1 author, 1 change private static AudioData ParseWavFile(string wavFile) var (format, dataInfo:DataChunk) = WAVFileReader.ReadFile(wavData: File.OpenRead(wavFile)); var fs:FileStream = File.OpenRead(wavFile); fs.Seek(dataInfo.Begin, SeekOrigin.Begin); var data = new byte[dataInfo.Size]; WAV var redBytes:int = fs.Read(data, offset: 0, count: (int)dataInfo.Size); if (redBytes < dataInfo.Size) throw new Exception();</pre> return new AudioData(data, (int)format.SampleRate);

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