**PartA7.html**

<!DOCTYPE html>

<html>

<head>

<title>SVG Lion</title>

</head>

<body>

<svg height="800" width="960" xmlns="http://www.w3.org/2000/svg">

<path d="M 150 80 Q 235 30 290 80" stroke="black" fill="orange" />

<g id="fur">

<path d="M 120 100 Q 100 70 150 80" stroke="black" fill="orange"/>

<path d="M 120 100 Q 60 150 120 150" stroke="black" fill="orange" />

<path d="M 120 150 Q 60 200 120 200" stroke="black" fill="orange" />

<path d="M 120 200

Q 60 270 120 270

Q 140 320 180 300

Q 160 340 220 335

" stroke="black" fill="orange" />

</g>

<use xlink:href="#fur" transform="translate(440,0) scale(-1,1)" />

<rect x="120" y="80" width="200" height="150" fill="orange"></rect>

<polygon points="130,230 220,335 300,230" fill="orange" />

<g id="ear">

<ellipse cx="163" cy="120" rx="22" ry="25" stroke="black" fill="yellow" transform="rotate(-35,163,120)" />

<circle cx="165" cy="123" r="15" stroke="black" fill="hotpink" />

</g>

<use xlink:href="#ear" transform="translate(440,0) scale(-1,1)" />

<g id="face">

<path d="M 165 135 Q 90 245 190 275" stroke="black" fill="yellow" />

</g>

<use xlink:href="#face" transform="translate(440,0) scale(-1,1)" />

<polygon points="165,135 275, 135 250,275 190,275" fill="yellow" />

<path d="M 165 135 Q 235 70 275 135" stroke="black" fill="yellow" />

<path d="M 190 275 Q 225 290 250 275" stroke="black" fill="yellow" />

<g id="eye">

<path d="M 178 148 Q 190 130 203 148" stroke="black" fill="transparent" />

<ellipse cx="192" cy="167" rx="9" ry="13" stroke="black" fill="white" />

<ellipse cx="192" cy="170" rx="8" ry="10" />

</g>

<use xlink:href="#eye" transform="translate(50,0)" />

<ellipse cx="217" cy="227" rx="10" ry="15" fill="black" />

<circle cx="195" cy="220" r="22" fill="hotpink" />

<circle cx="240" cy="220" r="22" fill="hotpink" />

<ellipse cx="217" cy="200" rx="20" ry="13" fill="black" />

</svg>

</body>

</html>

**PartB4.html**

<!DOCTYPE html>

<head>

<title> Hover Animation </title>

<link rel="stylesheet" href="style.css">

</head>

<body>

<div class="container">

<div class="icon-image">

<div class="icon">

<img src="agra.jpg" alt="">

</div>

<div class="hover-image">

<div class="img">

<img src="agra.jpg" alt="">

</div>

<div class="content">

<div class="details">

<div class="name">Taj Mahal</div>

<div class="job"> Agra || Uttar Pradesh</div>

</div>

</div>

</div>

</div>

<div class="icon-image">

<div class="icon">

<img src="hampi.jpg" alt="">

</div>

<div class="hover-image">

<div class="img">

<img src="hampi.jpg" alt="">

</div>

<div class="content">

<div class="details">

<div class="name">Hampi</div>

<div class="job">Ballari || Karnataka</div>

</div>

</div>

</div>

</div>

<div class="icon-image">

<div class="icon">

<img src="dallake.jpg" alt="">

</div>

<div class="hover-image">

<div class="img">

<img src="dallake.jpg" alt="">

</div>

<div class="content">

<div class="details">

<div class="name">Daal Lake</div>

<div class="job">Kashmir || Kashmir</div>

</div>

</div>

</div>

</div>

</div>

</body>

</html>

**style.css**

\*{

box-sizing: border-box;

font-family: 'Poppins',sans-serif;

}

body{

height: 100vh;

width: 100%;

display: flex;

justify-content: center;

align-items: center;

background: #0396FF;

}

.container{

height: 500px;

display: flex; //block

min-width: 400px;

align-items: flex-end;

}

.icon-image{

position: relative;

height: 70px;

width: 70px;

cursor: pointer;

border-radius: 50%;

background: #fff;

}

.icon-image .icon img{

position: absolute;

height: 95%;

width: 95%;

left: 50%;

top: 50%;

transform: translate(-50%, -50%);

object-fit: cover;

border-radius: 50%;

border: 3px solid #0396FF;

}

.icon-image .hover-image{

position: absolute;

height: 350px;

width: 300px;

bottom: 100px;

left: 50%;

transform: translateX(-50%);

}

.icon-image:hover .hover-image{

left: -200px;

z-index: 12;

transform: translateX(80px);

transition: left 0.5s ease, z-index 0s, transform 0.5s ease;

transition-delay: 0s, 0.5s, 0.5s;

}

.hover-image img{

position: absolute;

height: 100%;

width: 100%;

object-fit: cover;

border: 3px solid #fff;

border-radius: 25px;

}

.hover-image .content{

position: absolute;

width: 100%;

bottom: -10px;

padding: 0 10px;

}

.content::before{

content: '';

position: absolute;

height: 20px;

width: 20px;

background: #fff;

left: 50%;

bottom: -7px;

transform: rotate(45deg) translateX(-50%);

z-index: -1;

}

.content .details{

position: relative;

background: #fff;

padding: 10px;

border-radius: 12px;

text-align: center;

opacity: 0;

}

.icon-image:hover .details{

transition: all 0.5s ease;

transition-delay: 0.9s;

opacity: 1;

}.content .details .name{

font-size: 20px;

font-weight: 500;

}

.content .details .job{

font-size: 17px;

color: #0396FF;

}

**PartB5.html**

<!DOCTYPE html>

<head>

<title>Speedy Truck</title>

<link rel="stylesheet" href="speedytruck.css">

</head>

<body>

<div class="loop-wrapper">

<div class="mountain"></div>

<div class="hill"></div>

<div class="tree"></div>

<div class="truck"></div>

<div class="wheels"></div>

</div>

</body>

</html

**speedytruck.css**

body {

background: #009688;

}

.loop-wrapper {

margin: 0 auto;

position: relative;

width: 600px;

height: 250px;

overflow: hidden;

border-bottom: 3px solid #fff;

}

.tree{

position: absolute;

height: 100px;

width: 35px;

bottom: 0;

background: url(tree.svg) no-repeat;

}

.truck, .wheels {

width: 85px;

bottom: 0px;

right: 50%;

position: absolute;

}

.truck {

background: url(truck.svg) no-repeat;

height: 60px;

}

.truck:before {

content: " ";

position: absolute;

width: 25px;

box-shadow:

-30px 28px 0 1.5px #fff,

-35px 18px 0 1.5px #fff;

}

.wheels {

background: url(wheels.svg) no-repeat;

height: 15px;

}

.tree { animation: tree 3s 0.000s linear infinite; }

@keyframes tree {

0% { transform: translate(1350px); }

50% {}

100% { transform: translate(-50px); }

}

**tree.svg**

<svg xmlns="http://www.w3.org/2000/svg" width="32" height="100" viewBox="0 0 32 100">

<path fill="#FFF" d="M31.945 74.986L17.37 1.148A1.416 1.416 0 0 0 15.988 0c-.673 0-1.252.48-1.383 1.148L.027 74.986c-.083.42.025.854.292 1.186.268.332.669.523 1.091.523h13.167V100h2.821V76.695h13.165c.422 0 .821-.191 1.09-.523.27-.331.375-.766.292-1.186z"/>

</svg>

**truck.svg**

<svg xmlns="http://www.w3.org/2000/svg" width="85" height="60" viewBox="0 0 85 60">

<path fill="#FFF" d="M5.138 54.039a3.77 3.77 0 0 1-.149-.005l-.859.002A4.134 4.134 0 0 1 0 49.906V5.195a4.135 4.135 0 0 1 4.13-4.133h46.973c2.272 0 4.123 1.95 4.123 4.229v44.612a4.133 4.133 0 0 1-4.127 4.131H29.962c-1.091-.019-3.239-.691-3.727-3.128-1.067-3.957-4.755-6.789-8.947-6.789-4.291 0-8.098 3.041-9.051 7.229-.225 1.817-1.723 2.693-3.099 2.693zM4.127 4.208c-.596 0-1.083.389-1.083.987v44.709c0 .597.488 1.086 1.086 1.086h1.004c.005-.047.123-.271.133-.317 1.267-5.562 6.323-9.597 12.022-9.597a12.356 12.356 0 0 1 11.912 9.137c.151.734.681.777.785.777h21.111c.596 0 1.083-.487 1.083-1.084V5.293c0-.598-.485-1.085-1.083-1.085H4.127zM84.929 35.828s-.093-2.093-.288-3.118c-.164-.873-1.087-2.644-1.087-2.644l-7.299-13.59c-.951-1.52-3.115-2.707-4.558-2.707H60.785a2.608 2.608 0 0 0-2.606 2.609v33.526a2.609 2.609 0 0 0 2.606 2.609h.643s.949-.123 1.304-1.312c.986-3.933 4.514-6.862 8.749-6.862 4.145 0 7.612 2.808 8.682 6.613.442 1.612 2.231 1.561 2.231 1.561A2.608 2.608 0 0 0 85 49.904l-.071-14.076zm-6.603-3.511H65.312a1.996 1.996 0 0 1-1.989-1.99V20.143c0-1.098.894-1.99 1.989-1.99h4.365c2.483 0 4.117 2.009 4.63 2.978l5.065 9.434c.521.962.053 1.752-1.046 1.752z"/>

<path fill="#009688" d="M4.127 4.208c-.596 0-1.083.389-1.083.987v44.709c0 .597.488 1.086 1.086 1.086h1.004c.005-.047.123-.271.133-.317 1.267-5.562 6.323-9.597 12.022-9.597a12.356 12.356 0 0 1 11.912 9.137c.151.734.681.777.785.777h21.111c.596 0 1.083-.487 1.083-1.084V5.293c0-.598-.485-1.085-1.083-1.085H4.127z"/>

</svg>

**wheels.svg**

<svg xmlns="http://www.w3.org/2000/svg" width="85" height="15" viewBox="0 0 85 15">

<circle fill="#FFF" cx="17.289" cy="8.413" r="6.587"/>

<circle fill="#FFF" cx="71.48" cy="8.412" r="6.586"/>

</svg>

**Svgscene.html (partB8)**

<!DOCTYPE html>

<head>

<title> SVG SCENE</title>

<link rel="stylesheet" type="text/css" href="sky.css"/>

<script>

window.onload = function()

{

var sky = document.getElementById("sky");

sky.width = document.body.clientWidth;

sky.height = document.body.clientHeight;

if (sky.getContext){

var skyContext = sky.getContext("2d");

var radius = 2;

for(var star = 0; star < 50; star++){

var min = ( Math.random() \* 30 + 5 ) / 10;

var max = sky.width - radius;

var centerX = Math.floor(Math.random() \* (max - min + 1)) + min;

var centerY = Math.floor(Math.random() \* (max - min + 1)) + min;

skyContext.beginPath();

skyContext.arc(centerX, centerY, min, 0, 2 \* Math.PI);

skyContext.fillStyle = "rgb(255, 255, 255)";

skyContext.fill();

}

}

}

</script>

</head>

<body>

<section class="stage">

<svg height="390" width="550" id="mountains">

<polygon points="300,390 190,90 320,130 400,340" fill="#5d2042" />

<polygon points="0,340 108,190 194,100 201,120 301,390" fill="#320e40" />

<polygon points="14,348 117,174 194,102 172,377" fill="#3b1642" fill-opacity="0.8" />

<polygon points="120,174 194,102 233,206 144,275" fill="#3d1744" fill-opacity="0.9" />

<polygon points="233,206 288,177 324,214" fill="#421943" />

<polygon points="233,206 324,214 247,245" fill="#3e1743" />

<polygon points="247,245 324,214 360,360" fill="#411842" />

<polygon points="324,214 288,177 350,210" fill="#632242" />

<polygon points="324,214 350,210 360,360" fill="#652343" />

<g id="apex">

<polygon points="108,190 170,40 194,100" fill="#aeacb9" />

<polygon points="170,40 234,6 260,70 288,178 194,102" fill="#ceced8" />

<polygon points="234,6 290,80 320,132 288,178" fill="#ffffed" />

</g>

</svg>

<svg id="ground"></svg>

<svg id="hills" width="700" height="170">

<polygon points="480,70 530,100 560,90 516,40" fill="#9b9d57" />

<polygon points="480,70 530,100 412,84" fill="#7d8f57" />

<polygon points="530,100 412,84 360,138" fill="#748857" />

<polygon points="360,138 240,140 320,82" fill="#748857" />

<polygon points="412,84 360,140 320,82" fill="#88945a" />

<polygon points="320,82 240,140 210,64" fill="#597252" />

<polygon points="300,78 100,100 0,104 170,58" fill="#4f654f" />

<polygon points="172,58 145,40 122,48 66,79 0,104" fill="#536a50" />

</svg>

<canvas id="sky"></canvas>

</section>

</body>

</html>

**sky.css**

html, body {

height: 100%;

width: 100%

}

body {

min-height: 100%;

background: linear-gradient(to bottom, #0a1a27, #4e83b7);

position: relative;

}

body #mountains {

z-index: 2;

position: absolute;

bottom: 20%;

margin-bottom: -16px;

left: 10%;

}

body #ground {

z-index: 1;

width: 100%;

height: 20%;

position: absolute;

bottom: 0;

background: #879759;

background: linear-gradient(to bottom, #879759, #648459);

}

body #hills {

//background: rgba(255, 0, 0, 0.3);

position: absolute;

left: 10%;

margin-left: -120px;

margin-bottom: -86px;

bottom: 20%;

z-index: 3;

}

body #stars {

width: 100%;

height: 100%;

}