<!doctype html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>HTML5 Drag and Drop</title>

<style>

#shelf {

width:500px;

height:100px;

background-color:#eeeeee;

border-style:solid;

border-width:thin;

}

#shoppingcartcenter {

position:absolute;

width:180px;

height:180px;

top:220px;

left:75px;

}

#boxapple {

position:absolute;

width:180px;

height:180px;

top:220px;

left:25px;

border:15px solid green;

}

#boxbanana{

position:absolute;

width:180px;

height:180px;

top:220px;

left:375px;

border:15px solid yellow;

}

.fruit {

width:75px;

height:30px;

float:left;

margin-left:10px;

margin-top:10px;

}

.box{

width:250px;

height:250px;

float:left;

margin-left:10px;

margin-top:10px;

}

</style>

</head>

<body>

<div  id="shelf" class="fruit" >

  <img id="apple1" draggable="true" src="images/apple.gif">

  <img id="apple2" draggable="true" src="images/apple.gif">

  <img id="apple3" draggable="true" src="images/apple.gif">

  <img id="banana1" draggable="true" src="images/banana.gif">

  <img id="banana2" draggable="true" src="images/banana.gif">

  <img id="banana3" draggable="true" src="images/banana.gif">

</div>

<div id="boxapple" class="box"></div>

<div id="boxbanana" class="box"></div>

<script>

  var dragStart = function (e){

    try{

       e.dataTransfer.setData('text/plain',e.target.id);

    }catch(ex){

      e.dataTransfer.setData('Text',e.target.id)

    }

  };

  var cancel = function (e){

    if(e.preventDefault) e.preventDefault();

    if(e.stopPropagation) e.stopPropagation();

    return false;

  };

  var dropped = function(e){

    var id;

    cancel(e);

    try{

      id = e.dataTransfer.getData('text/plain');

    }catch(ex){

      id = e.dataTransfer.getData('Text');

    }

    debugger;

    e.target.appendChild(document.querySelector('#'+id))

  }

  var img = document.querySelector('#apple1');

  img.addEventListener('dragstart',dragStart,false);

  var img2 = document.querySelector('#apple2');

  img2.addEventListener('dragstart',dragStart,false);

  var img3 = document.querySelector('#apple3');

  img3.addEventListener('dragstart',dragStart,false);

  var target = document.querySelector('#boxapple');

  target.addEventListener('drop',dropped,false)

  target.addEventListener('dragenter',cancel,false)

  target.addEventListener('dragover',cancel,false);

  var imgb1 = document.querySelector('#banana1');

  imgb1.addEventListener('dragstart',dragStart,false);

  var imgb2 = document.querySelector('#banana2');

  imgb2.addEventListener('dragstart',dragStart,false);

  var imgb3 = document.querySelector('#banana3');

  imgb3.addEventListener('dragstart',dragStart,false);

  var targetb = document.querySelector('#boxbanana');

  targetb.addEventListener('drop',dropped,false)

  targetb.addEventListener('dragenter',cancel,false)

  targetb.addEventListener('dragover',cancel,false);

</script>

</body>

</html>