

// add a DOMContentLoaded event handler.

```
document.addEventListener("_____", function() {  
  //Transform the JSON data into a JavaScript object.  
  const paintings = JSON.parse(_____  
  //To locate the ids "details", "paintings ul", and "details figure"  
  const details = document.querySelector("#details");  
  const list = _____  
  const figure = _____
```

```
//Call the function generateThumbList to  
generateThumbList(list, paintings);
```

// use event delegation to handle clicks in list

```
_____.addEventListener('_____', function(e) {  
  if (e.target && e.target._____ == "IMG") {  
    displayPaintingLarge(e.target);  
  }  
});
```

```
function generateThumbList(list, paintings) {  
  // loop thru list of paintings and create <li><img></li>  
  
  for (p of paintings) {  
    const item = document.createElement('____');  
    const thumb = document.createElement('img');  
    thumb.src = "images/small/" + p._____ + "._____";  
    thumb.alt = p.title;  
    thumb.dataset.id = p.id;  
    item.appendChild(_____  
    list.appendChild(_____  
  }  
}
```

```
function displayPaintingLarge(clickedThumbImage) {  
  // retrieve the painting id from data-id attribute  
  
  let id = clickedThumbImage._____.id;  
  // find that painting in array  
  
  const painting = paintings.find( function (p) { return p.id == _____});
```

```
// display the found painting
```

```
document.querySelector("#title")._____ = painting.title;
document.querySelector("#artist").textContent = "By " + _____;
let image = document.createElement('img');
image.src = "images/large/" + painting._____ + ".jpg";
// clear previous features

figure.innerHTML = "";
// display all features for this painting

displayFeatures(_____.features);
// add painting to image

figure.append_____(image);
}
```

```
function displayFeatures(features) {
  for (let f of _____) {
    displaySingleFeatureRectangle(f);
  }
}
```

```
function displaySingleFeatureRectangle(feature) {
  let rect = document.createElement('div');
  rect.className = "box";
  rect.style.position = "_____";
  rect.style.left = feature.upperLeft[0] + "px";
  rect.style.top = feature._____;
  rect.style.width = (feature.lowerRight[0] - feature.upperLeft[0]) + "px";
  rect.style.height = _____
}
```

```
// add event handlers for the feature rectangle
```

```
rect.addEventListener('mouseover', function (e) {
  document.querySelector("#description")._____ =
feature._____;
});
rect.addEventListener('_____', function (e) {
  document.querySelector("#description")._____ = "";
});
// add the feature rectangle to the <figure> parent
figure._____(rect);
}
```

});