

AJAX – GET

```
function loadContent() {
  const request = new XMLHttpRequest();

  request.onreadystatechange = function() {
    if (this.readyState === request.DONE && this.status == 200) {
      let items = JSON.parse(request.responseText);
      for(let i = 0; items.length;i++){
        let htmlCode = "";
        const target = document.querySelector('.target');
        htmlCode = htmlCode + "<div class='card'>";
        htmlCode = htmlCode + "<h4 class='card-title'>" + items[i].name + "</h4>";
        htmlCode = htmlCode + "<h4 class='card-title'>" + items[i].price + "</h4>";
        htmlCode = htmlCode + "<h4 class='card-title'>" + items[i].amount + "</h4>";
        htmlCode = htmlCode + "<a class='btn btn-primary' href='/item/details/${items[i].id}'>DETAILS</a>";
        htmlCode = htmlCode + "</div>";
        let newDiv = document.createElement('div');
        newDiv.innerHTML = htmlCode;
        target.append(newDiv);
      }
    }
  };
  request.open("GET", "/api");
  request.send();
}
```

AJAX – POST

```
function addPost(){
  const request = new XMLHttpRequest();

  request.onreadystatechange = function() {
    if (this.readyState === request.DONE && this.status == 200) {
      window.location.href="/item/home";
    }
  };
  let requestBody = {"name" : itemName.value,"price" : itemPrice.value,"amount" : itemAmount.value};
  request.open("POST", "/api");
  request.setRequestHeader("Content-Type","application/json;charset=UTF-8")
  request.send(JSON.stringify(requestBody));
}
```

AJAX – GET BY ID

```
function loadContent(){
  const request = new XMLHttpRequest();

  request.onreadystatechange = function() {
    if (this.readyState === request.DONE && this.status == 200) {
      let item = JSON.parse(request.responseText);
      let htmlCode = "";
      const target = document.querySelector('.target');
      htmlCode = htmlCode + "<div class='row'>";
      htmlCode = htmlCode + "<input type='hidden' class='form-control' value='${item.id}' id='itemid'>";
      htmlCode = htmlCode + "<input class='form-control' value='${item.name}' id='itemName'>";
      htmlCode = htmlCode + "<input class='form-control' value='${item.price}' id='itemPrice'>";
      htmlCode = htmlCode + "<input class='form-control' value='${item.amount}' id='itemAmount'>";
      htmlCode = htmlCode + "<button class='btn btn-primary' onclick='updatePut()'>UPDATE</button>";
      htmlCode = htmlCode + "</div>";
      let newDiv = document.createElement('div');
      newDiv.innerHTML = htmlCode;
      target.append(newDiv);
    }
  };
  request.open("GET", "/api/" + inpId.value);
  request.send();
}
```

AJAX – PUT

```
function updatePut() {
    const request = new XMLHttpRequest();

    request.onreadystatechange = function() {
        if (this.readyState === request.DONE && this.status === 200) {
            window.location.href="/item/home";
        }
    };
    let requestBody = {"id" : itemId.value,"name" : itemName.value,"price" : itemPrice.value,"amount" : itemAmount.value};
    request.open("PUT", "/api");
    request.setRequestHeader("Content-Type","application/json;charset=UTF-8")
    request.send(JSON.stringify(requestBody));
}
```