

# 장윤신 - Javascript-Ajax(영화진흥위원회) 연습문제

2022-10-04

## 코드

```
<!DOCTYPE html>
<html lang="ko">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Document</title>
    <style>
      #container {
        display: flex;
      }

      #loading {
        width: 100px;
        height: 100px;
        background: url(img/loading.gif) no-repeat/cover;
        position: absolute;
        left: 50%;
        top: 50%;
        transform: translate(-50%, -50%);
        z-index: 999999;
        display: none;
      }

      #loading.active {
        display: block;
      }

      canvas {
        height: 500px;
        width: 500px;
        margin-left: 50px;
      }
    </style>
  </head>
  <body>
    <div id="loading"></div>
    <h1>영화진흥위원회 박스오피스 순위</h1>

    <input type="date" id="targetDt" />

    <div id="container">
```

```

<table>
  <thead>
    <tr>
      <th>순위</th>
      <th>영화제목</th>
      <th>관객수</th>
      <th>개봉일</th>
    </tr>
  </thead>
  <tbody id="list-body"></tbody>
</table>

<div class="subplot-item"></div>
</div>

<script src="../../node_modules/axios/dist/axios.min.js"></script>
<script src="../../node_modules/chart.js/dist/chart.min.js"></script>
<script>
  const getMovieRank = async (targetDt) => {
    const loading = document.querySelector("#loading");
    loading.classList.add("active");

    let json = null;

    try {
      const response = await axios.get("
http://www.kobis.or.kr/kobisopenapi/webservice/rest/boxoffice/searchDailyBoxOffice
List.json", {
        params: {
          key: "aac17f5c64e5bce4d2fad9a552b7b952",
          targetDt: targetDt.replaceAll("-", ""),
        },
      });

      json = response.data;
    } catch (error) {
      console.error(`[Error Code] ${error.code}`);
      console.error(`[Error Message] ${error.message}`);
      let alertMsg = error.message;

      if (error.message !== undefined) {
        const erroeMsg = `${error.response.status} error -
${error.response.statusText}`;
        console.error(`[HTTP Status] ${errorMsg}`);
        alertMsg += `\n${errorMsg}`;
      }

      alert(alertMsg);
      return;
    } finally {
      loading.classList.remove("active");
    }

    const state = { targetDt: targetDt, data: JSON.stringify(json) };

```

```

    const url = `${location.pathname}?targetDt=${targetDt}`;
    history.pushState(state, null, url);

    renderMovieRank(json);
    renderMovieChart(json);
  };

  /**
   * JSON 데이터를 테이블에 출력한다.
   * 기존에 출력되고 있던 항목은 삭제한다.
   */
  const renderMovieRank = (json) => {
    const listBody = document.querySelector("#list-body");

    Array.from(listBody.getElementsByTagName("tr")).map((v, i) => {
      listBody.removeChild(v);
    });

    if (json) {
      json.boxOfficeResult.dailyBoxOfficeList.forEach((v, i) => {
        const tr = document.createElement("tr");
        listBody.appendChild(tr);

        const td1 = document.createElement("td");
        td1.innerHTML = v.rank;
        tr.appendChild(td1);

        const td2 = document.createElement("td");
        td2.innerHTML = v.movieNm;
        tr.appendChild(td2);

        const td3 = document.createElement("td");
        td3.innerHTML = v.audiCnt;
        tr.appendChild(td3);

        const td4 = document.createElement("td");
        td4.innerHTML = v.openDt;
        tr.appendChild(td4);
      });
    }
  };

  /** 날짜값이 변경된 경우에 대한 이벤트 */
  document.querySelector("#targetDt").addEventListener("change", (e) => {
    getMovieRank(e.currentTarget.value);
  });

  /** history가 이전 페이지로 되돌아 갈 때 발생하는 이벤트 */
  window.addEventListener("popstate", (e) => {
    if (e.state) {
      const json = JSON.parse(e.state.data);
      renderMovieRank(json);
      renderMovieChart(json);
      document.querySelector("#targetDt").value = e.state.targetDt;
    }
  });

```

```

    } else {
      renderMovieRank();
      renderMovieChart();
      document.querySelector("#targetDt").value = "";
    }
  });

const renderMovieChart = (json) => {
  const subplotItem = document.querySelector(".subplot-item");
  if (subplotItem.children) {
    Array.from(subplotItem.children).forEach((v, i) => {
      subplotItem.removeChild(v);
    });
  }

  const movieNm = [];
  const audiCnt = [];

  if (json) {
    json.boxOfficeResult.dailyBoxOfficeList.forEach((v, i) => {
      movieNm.push(v.movieNm);
      audiCnt.push(v.audiCnt);
    });

    const canvas = document.createElement("canvas");
    subplotItem.appendChild(canvas);

    const context = canvas.getContext("2d");

    const chart = new Chart(context, {
      type: "bar",
      data: {
        labels: movieNm,
        datasets: [
          {
            label: "관객수",
            data: audiCnt,
            borderWidth: 0.5,

            backgroundColor: ["rgba(255, 99, 132, 0.2)", "rgba(54, 162, 235, 0.2)", "rgba(255, 206, 86, 0.2)", "rgba(75, 192, 192, 0.2)", "rgba(153, 102, 255, 0.2)"],
            borderColor: ["rgba(255, 99, 132, 1)", "rgba(54, 162, 235, 1)", "rgba(255, 206, 86, 1)", "rgba(75, 192, 192, 1)", "rgba(153, 102, 255, 1)"],
          },
        ],
      },
      options: {
        scales: {
          y: {
            beginAtZero: true,
          },
        },
      },
    });
  }
};

```

```
});
}
};
</script>
</body>
</html>
```

결과 스크린샷

영화진흥위원회 박스오피스 순위

2022-09-27

순위	영화제목	관객수	개봉일
1	공조2: 인터내셔날	54532	2022-09-07
2	늑대사냥	23155	2022-09-21
3	아바타 리마스터링	9737	2022-09-21
4	육사오(6/45)	7295	2022-08-24
5	인생은 뷰티풀: 비타돌체	1868	2022-09-07
6	극장판 엄마 까투리: 도시로 간 까투리 가족	1675	2022-09-08
7	프린세스 아아	1280	2022-09-21
8	헌트	1252	2022-08-10
9	컴백홈	997	2022-10-05
10	극장판 5등분의 신부	955	2022-09-22

