

```

function app() {
  let loginTemplate = `
    <h2> Please log in </h2>
    user name: <input type="text" id="username" value="map"><br>
    Password: <input type="text" id="password" value="123456"><br>
    <button id="button"> login </button>
  `;
  document.querySelector("#outlet").innerHTML = loginTemplate;
}

app();

const loginInfo = {
  username: document.querySelector("#username").value,
  password: document.querySelector("#password").value,
};

function getToken() {
  return function SPA() {
    return fetch("https://shrouded-badlands-76458.herokuapp.com/api/login", {
      method: "POST",
      headers: { "Content-Type": "application/json" },
      body: JSON.stringify(loginInfo),
    });
  };
}

const shizi = getToken();
shizi()
  .then((response) => {
    return response.json();
  })
  .then((obj) => {
    token = obj;
    console.log(token);
  });

function getanimationpage() {
  const animationTemplate = `
    <div id="adress">Welcome to SPA Animation</div>
    <textarea name="" id="animation" cols="50" rows="20" style="font-
size: 18px;"></textarea> <br>
    <button id="refresh">Refresh Animation</button>
    <button id="logout">Logout</button>
  `;
  document.querySelector("#outlet").innerHTML = animationTemplate;
}

```

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let timerID;

const loginTemplate = `
  <h2> Please log in </h2>
  user name: <input type="text" id="username" value="map" ><br>
  Password: <input type="text" id="password" value="123456" ><br>
  <button id="button"> login </button>
`;

function login() {
  history.pushState(loginTemplate, "document.title", " ?page= index.html");
  clearInterval(timerID);
  document.querySelector("#outlet").innerHTML = loginTemplate;

  document.querySelector("button").addEventListener("click", animationpage);
}
login();
async function animationpage() {
  let username = document.querySelector("#username").value;
  let password = document.querySelector("#password").value;
  if (username === "mwp" && password === "123456") {
    const result = await fetch(
      "https://shrouded-badlands-76458.herokuapp.com/api/animation",
      {
        method: "POST",
        headers: { "Content-Type": "application/json" },
        body: JSON.stringify({
          username: username,
          password: password,
        }),
      }
    );
    const response = await result.json();
    token = response;

    document.querySelector("#outlet").innerHTML = animationTemplate;
    history.pushState(
      animationTemplate,
      "document.title",
      "? page = animation.html"
    );
    getAnimation();

    document.querySelector("#logout").addEventListener("click", login);
  }
}

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    document
      .querySelector("#refresh")
      .addEventListener("click", getAnimation);
    fetchaddress();
  } else {
    alert(" wrong username or password ");
  }
}

const getAnimation = async function () {
  const reply = await fetch(
    "https://shrouded-badlands-76458.herokuapp.com/api/animation",
    {
      method: "GET",
      headers: {
        Authorization: ` Bearer ${token.token}`,
      },
    }
  );
  const response = await reply.text();
  const result = response.split("====\n");
  clearInterval(timerID);
  let i = 0;
  timerID = setInterval(function () {
    document.querySelector("#animation").innerHTML = result[i];
    i++;
    if (i === result.length) {
      i = 0;
    }
  }, 200);
};

window.addEventListener("popstate", function () {
  clearInterval(timerID);
  if (history.state === null) {
    clearInterval(timerID);
    document.querySelector("#outlet").innerHTML = loginTemplate;
    login();
  }
  document.querySelector("#outlet").innerHTML = history.state;
  clearInterval(timerID);
  login();
});

function fetchaddress() {
  navigator.geolocation.getCurrentPosition(success);
  async function success(position) {

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const long = position.coords.longitude;
const lat = position.coords.latitude;
const Address = await fetch(
  `http://www.mapquestapi.com/geocoding/v1/reverse?key=QHd2u0YscxkIZAqAzzwQ
EWy70b3A8Izg&location=${lat},${long}&&includeRoadMetadata=true&includeNearestInte
rsection=true`
);
const response = await Address.json();
const city = response.results[0].locations[0].adminArea5;
const country = response.results[0].locations[0].adminArea1;
document.querySelector(
  "#adress"
).innerHTML = `Well come to ${city} , ${country}`;
}
}
```