

```
Const API_URL = http://localhost:5000/api;  
  
Const loginScreen = document.getElementById("login-screen");  
  
Const todoScreen = document.getElementById("todo-screen"); Const usernameInput =  
document.getElementById("username");  
  
Const passwordInput =  
document.getElementById("password");  
  
Const loginBtn = document.getElementById("loginBtn");  
  
Const loginError =  
document.getElementById("loginError");  
  
Const newTodoInput =  
document.getElementById("newTodo");  
  
Const addBtn = document.getElementById("addBtn");  
  
Const todoList = document.getElementById("todoList");  
  
Const welcomeUser =  
document.getElementById("welcomeUser");  
  
Const logoutBtn =  
document.getElementById("logoutBtn");  
  
  
Let token = localStorage.getItem("token");  
Let username = localStorage.getItem("username");  
  
// Auto-login if token exists If
```

```
(token) {  
  showTodoScreen();  fetchTodos();  
}
```

```
// Handle login
```

```
loginBtn.addEventListener("click", async () => {  
  const username = usernameInput.value.trim();  
  const password = passwordInput.value.trim();  
  
  const res = await fetch(`${API_URL}/login`, {  
    method: "POST",  headers: { "Content-Type":  
    "application/json" },  body: JSON.stringify({ username,  
    password }),  
  });
```

```
  if (res.ok) {  
    const data = await res.json();  
    localStorage.setItem("token", data.token);  
    localStorage.setItem("username", data.username);  
    showTodoScreen();  fetchTodos();  
  } else {
```

```
    loginError.textContent = "❌ Invalid username or  
    password";
```

```
}  
));
```

```
Function showTodoScreen() {  
  loginScreen.classList.add("hidden");  
  todoScreen.classList.remove("hidden");  
  welcomeUser.textContent = `Welcome,  
  ${localStorage.getItem("username")}!`;   
}
```

```
// Fetch todos
```

```
Async function fetchTodos() {  
  todoList.innerHTML = "Loading...";  const  
  res  
  = await fetch(`${API_URL}/todos`, {  headers:  
  { Authorization: `Bearer  
  ${localStorage.getItem("token")}` },  
  
  });  
  
  Const todos = await res.json();  
  
  todoList.innerHTML = "";  todos.forEach(renderTodo);  
}
```

```
// Render single todo item

Function renderTodo(todo) {

  Const li = document.createElement("li");

  li.classList.toggle("completed", todo.completed);


  const span = document.createElement("span");
  span.textContent = todo.title;
  span.addEventListener("click",
  () => toggleTodo(todo));


  const delBtn = document.createElement("button");
  delBtn.textContent = "✖";
  delBtn.addEventListener("click", () =>
  deleteTodo(todo.id));


  li.appendChild(span);
  li.appendChild(delBtn);
  todoList.appendChild(li);
}
```

```

// Add new todo addBtn.addEventListener("click",
async () => {  const title =
newTodoInput.value.trim();
  if (!title) return;

  const res = await fetch(`${API_URL}/todos`, {  method:
"POST",
  headers: {
    "Content-Type": "application/json",
    Authorization: `Bearer
${localStorage.getItem("token")}`,
  },
  Body: JSON.stringify({ title }),
});

  if (res.ok) {
    const newTodo = await res.json();
    renderTodo(newTodo);  newTodoInput.value
= "";
  }
});

```