

Common issues/questions

- Where do I start?
- Missing Load Word on Login
- How do I handle reload?
- Not meeting a major goal of assignment
- Keeping data for logged out user
- My elements don't exist!
- How do I handle this 401 error?

Where Do I Start?

- Start with State
 - Not everything, start with basics
- Unsure about state? Have basic state?
 - Write an initial render function
 - Will expose needed state
- Then add an Event Listener
 - What state will change?
 - How does render use that state?
 - Do you need a service call?
 - Which service?
- Write, confirm, add, all in small bits

Check for word on Login

- Create session
- **Load Word**
 - Lots of people miss this on login
 - User may already have a word!
- Proceed

How do I handle reload?

Jarring to reload and see login if already logged in

- On Initial load: Service call to check for session
 - If session, **load word**, then render
 - If no session, render

Do AFTER writing initial render() and login

- And after testing that those work

Not Meeting a Goal

Major goals of assignment

- Use state-render loop
 - Update HTML **based on state, not action**
- Use Client side MVC and SOC
 - State logic vs presentation vs event handlers
 - Service call logic vs using results
- Use front end bundling
- Calling services

You want **all of these skills**, limited time to learn!

A Note about Logout

- Be sure to clear your state
 - User Jorts logout
 - User Jean login
 - Should NOT see Jort's word
- Don't rely on login to override
 - Remove user data on client side on logout

My Elements don't exist!

`render()` replaces your elements

- Adding/removing eventListeners is complex
- Not removing eventListeners is memory leak

Instead use **event delegation**

- Event delegation is relying on **event propagation**
- Attach event listeners to ancestor element
 - That is NOT replaced by `render()`
- Confirm if `event.target` is desired source of event

How do I handle a 401 error on page load?

- This is not an error you need to report to user
 - 401 on check for session on load is expected
 - Just render while state says not logged in
 - Showing login form IS the error handling
- Other errors should be reported to user
 - So user can fix
 - Add current error to state
 - Let render() report it

Lessons for Project 2

- Services won't always return perfect data
 - Services not specific to this app/this version
 - May need to call multiple services
 - Translate returned data into what app needs
- Client State !== Server State
 - Only one user, for example
 - Different goals
- Usually render HTML, don't show/hide with CSS
 - Show/hide gets more complex as app grows
 - Make it always able to render()
 - Decoupled from momentary logic