

Lecture Date	Assignment Due	Lecture Topics	Vue Documentation
Thursday, January 8		Introduction to Vue, tools, and processes.	Introduction Quickstart Creating an Application Tooling
Tuesday, January 13	A1: Creating and Deploying a Skeleton App	A1 demos	Single-File Components Registration
Thursday, January 15		Components Reactivity Reacting to data changes in a component	Reactivity Fundamentals Template Syntax Event Handling Conditional Rendering List Rendering Form Input Bindings
Tuesday, January 20	A2: Components with Reactive Elements	A2 demos	Computed Properties Watchers
Thursday, January 22		Computed properties (variables) & causing side-effects Passing data to child components	Props Fallthrough Attributes Class and Style Bindings Slots <component>, KeepAlive Component Basics (recap)
Tuesday, January 27	A3: Parent and Child Components	A3 demos	Component v-model Provide / Inject Events
Thursday, January 29		Communication between components	
Tuesday, February 3	A4: Parent and Child Components that exchange data	A4 demos	State Management Pinia
Thursday, February 5		Storing data in a Pinia store and localStorage	
Tuesday, February 10	A5: Parent and Child Components that exchange data via a Pinia store	A5 demos	Vue Router
Thursday, February 12		The Vue Router	

Tuesday, February 17	A6: Navigation Using a Vue Router	A6 demos	Fetch API
Thursday, February 19		Using fetch() with API specifications	
Tuesday, February 24	A7: Components that display data obtained from an API server.	A7 demos	
Thursday, February 26		Designing apps & designing apps with Figma. Professional CSS & theming	
Tuesday, March 3		~Spring break~	
Thursday, March 5			
Tuesday, March 10	A8: App prototype	A8 demos	Suspense Teleport
Thursday, March 12		Loading Screens & Modals Async Components	Async Components
Tuesday, March 17	A9: Implement Create Account, Login (without reset) and Logout	A9 demos	Composables Custom Directives
Thursday, March 19		Reusability	Plugins
Tuesday, March 24	A10: Implement View Contest List & View Selected Contest	A10 demos	Transition TransitionGroup Animation Techniques
Thursday, March 26		Transition, TransitionGroup and other Animation techniques	
Tuesday, March 31	A11: Implement Create & Edit Contest (without missions)	A11 demos	Vue and Web Components
Thursday, April 2		Vue and Web Components	
Tuesday, April 7	A12: Implement Create and Edit Missions (without addl. Judges), Update View Selected Contest to show Missions	A12 demos	
Thursday, April 9		~Founders Day~	

Tuesday, April 14	A13: Implement Search Contests	A13 demos	<u>Reactivity in Depth</u>
Thursday, April 16		Reactivity and Rendering (how Vue does it)	<u>Rendering Mechanism</u> <u>Render Functions & JSX</u>
Tuesday, April 21	A14: Implement Upload Single File Submissions (for Contestant) and Evaluate Single File Submissions (for Judges)	Best Practices	<u>Production Deployment</u> <u>Performance</u> <u>Accessibility</u> <u>Security</u>
Monday, April 27 1:30 p.m. - 3:30 p.m.	Final Exam	A14 demos	