

PROJECT 2: Launching Oct 19, 2020, Demo Day Friday, Dec 4 or 11, 2020.

Purpose: To create a full stack app that addresses a unique challenge or problem.

BIG IDEAS: “I/We understand and can demonstrate that...”				
<p>Full stack apps have layers, and that layers have <i>distinct</i> responsibilities. I/We appreciate how layers interact without being tightly coupled.</p> <p>Very little matters in the rest of the app if I/We fail at the interface and experience layer.</p>	<p>Design and development is an <i>iterative reflective</i> process.</p> <p>In order to have <i>cohesive</i> systems, features are developed to go through the <i>entire</i> stack.</p>	<p>Learning new or unfamiliar technologies is a natural part of the process of development.</p> <p>I/We are curious about learning and exploring new things.</p>	<p>Applying <i>standards</i> to complex ideas is the basis for making sound decisions and is necessary to have the most accurate view of what is actually happening.</p> <p>Building a <i>design vision</i> for a product allows the realization of high quality and dependable outcomes.</p>	<p><i>Multi-stage design</i> projects benefit from <i>collaborative</i> work environments.</p> <p>Teamwork makes the dream work.</p>

Which PROJECT will your TEAM choose to tackle?

*Remember, these are **guidelines**. As you navigate the project, where do you see opportunities to **extend** your learning?

MILD	MEDIUM	SPICY
<p>Problem being addressed:</p> <ul style="list-style-type: none"> Working with a server <p>Your project should include:</p> <ul style="list-style-type: none"> HTML with JavaScript and CSS Using existing API (JSON) <p>I/We will be able to:</p> <ul style="list-style-type: none"> Fetch data from an API Display fetched data in my webpage Credentials on public API (API KEY) Push to an API Present a clear vision of the outcomes the project needs to generate Establish the operating principles for the project <p>Example:</p> <ul style="list-style-type: none"> something like work against Twitter API to fetch and post 	<p>Problem being addressed:</p> <ul style="list-style-type: none"> Enhancing a server <p>Your project should include:</p> <ul style="list-style-type: none"> Start with react components Using a basic CRUD API Document store database <p>I/We will be able to:</p> <ul style="list-style-type: none"> Use a more sophisticated GUI component downloaded from the internet (maybe something like Google Maps) Create a web API endpoint Make changes to a database schema Save new data to a database Create and retrieve “business objects” Add relevant experience promises and key storylines for users <p>Example:</p> <ul style="list-style-type: none"> add new endpoints to an existing API that was provided 	<p>Problem being addressed:</p> <ul style="list-style-type: none"> Building a server Different views of a system Deeper understanding of server <p>Your project should include:</p> <ul style="list-style-type: none"> React w/ Redux and other features Import components Update and Delete part of CRUD Authentication SQL Second application for administrator <p>I/We will be able to:</p> <ul style="list-style-type: none"> Authenticate a user Secure a web API Create a “second site” off the same API Show the degree to which my work is meeting the project outcomes, promises, stories, and principles <p>Examples:</p> <ul style="list-style-type: none"> Create a web application that connects a user with a service that requires a person “behind the curtain” to act (like picking and shipping an order) Create a site that maintains user history and preferences