

Lesson Plans App total work hours:

5/6	<ul style="list-style-type: none">• Worked on project outline and rough vision of what app will look like	2h	2
5/9	<ul style="list-style-type: none">• Created the project using Vite + JSON server• Created initial data structures in db.json• Installed dependencies:<ul style="list-style-type: none">◦ Axios◦ React Router◦ Redux Toolkit◦ React Redux• Configured Redux store• Set up Routing with React Router• Created components:<ul style="list-style-type: none">◦ SignInPage◦ LessonList◦ LessonReadView◦ LessonCreateView• Worked on SignInPage using createAsyncThunk	5h	7
5/10	<ul style="list-style-type: none">• Continued work on sign in and authorization. Stuck on troubleshooting b/c I didn't want to begin BE work yet, so I set up an authMiddleware in order to mock authentication; however this solution required a lot of debugging with json-server versions and ES vs CJS modules• Worked on LessonList component, including sorting functionality, but will have to come back to this for styling	4h	11
5/13	<ul style="list-style-type: none">• Work on LessonReadView component• Worked on navigation flow: on successful sign in, App to show LessonList + button for creating a lesson. Each lesson on LessonList to be clickable, and on click to take the user to LessonReadView• Began work on LessonCreateView, and outlines for its subcomponents for adding different kinds of resources:<ul style="list-style-type: none">◦ AddResource<ul style="list-style-type: none">■ AddDocument, AddWebsite, AddVideo• Currently stuck on how to display a preview of the created lesson...	6h	17
5/14	<ul style="list-style-type: none">• Working on displaying a preview of the created lesson by adding optionality to LessonReadView to either display a lesson saved to the database or from the lesson data state• Doing a bit of modifying/refactoring on adding resources and creating lessons:<ul style="list-style-type: none">◦ LessonCreateView will be a parent component which manages the lesson details including a resources array, and it will save a created lesson to the database (db.json for now)◦ AddResource will be a child component that will all the user to select what type of resource they want added to a lesson◦ AddDocument/Website/Video are called depending on what the user selects in AddResource; they will obtain data from the user and add the data to the resources array of LessonCreateView	4h	21

5/15	<ul style="list-style-type: none"> Continued work from yesterday Changed the vision for the app a little bit: adding a toolbar at the top of LessonCreateView with options to add different types of resources, and as resources are added, it will appear on the page. <ul style="list-style-type: none"> Set up base layout so that AddResource acts as a toolbar Set up LessonCreateView rough styling to display AddResource as toolbar and display resources on the same page as they are added (can delete lesson preview now) Added ability to delete resources Worked on being able to change the order that the resources are displayed by holding and clicking on them 	5h	26
5/16	<ul style="list-style-type: none"> Troubleshooting the drag and drop (Invariant failed: Cannot find droppable entry with id [resources]). Could be from incompatibility with React Strict Mode and react-beautiful-dnd. Worked on using react-dnd-kit 	5.5h	31.5
5/17	<ul style="list-style-type: none"> Used MaterialUI to create a toolbar at the top of the page (used MUI docs responsive app bar 	2.5h	34
5/21	<ul style="list-style-type: none"> Refactored LessonCreateView as it's starting to look a bit unwieldy: <ul style="list-style-type: none"> SortableItem into its own component handleSaveLesson into custom saveLesson hook Created a slice for activeForm state Rendering of the active form into its own component Troubleshooting – resources not appearing when added <ul style="list-style-type: none"> Solved: created slice for useResources state which includes actions for adding, deleting, updating and reordering resources 	4.5h	38.5
5/22	<ul style="list-style-type: none"> Worked on how resources are displayed <ul style="list-style-type: none"> AddDocument to use IFrame to display pdfs Troubleshooting pop out–button clicks not working within DnDContext. Essentially, the DnD context was intercepting the click events. Solved by adding an Activation Constraint to the pointer sensor. 	3.5h	42
5/23	<ul style="list-style-type: none"> Worked on Video preview, but the previews not loading in a frame because error: 'X-Frame-Options' to 'sameorigin'. Solved by adding 'embed' to youtube links. Resources: Removed functionality to add multiple time intervals to videos and allowed for one time interval per video to be set 	6.5h	48.5
5/24	<ul style="list-style-type: none"> Worked on error handling on Website preview. 	2h	50.5
5/27	<ul style="list-style-type: none"> Opted against the website preview (one solution to bypass the x-frame options error–use proxy server–seemed to expose security risks. Instead, I worked on using the Open Graph Protocol to create a preview of the website metadata Created a dialog for adding resources so user gets a popup for adding inputs instead of just a simple input form 	4.5h	55

5/28	<ul style="list-style-type: none"> Created context menu for adding ability to right-click to add resources 	6h	61
5/30	<ul style="list-style-type: none"> Added a header bar and some initial styling to LessonList component Implemented search bar and user menu + refactored UserMenu for reuse 	3.5h	64.5
5/31	<ul style="list-style-type: none"> Implemented text editor using TinyMCE: Made sure to sanitize the html with DOMPurify and render it with react-html-parser Refactored AddText component to separate out the text editor so that it can be reused if necessary 	3.5h	68
6/3	<ul style="list-style-type: none"> Worked on ability to delete lesson from LessonList Styled custom context menus 	4h	72
6/4	<ul style="list-style-type: none"> Made LessonSlice more robust and cleaned up some state management for adding and deleting lessons Worked on (but stuck) on being able to save and edit a preexisting lesson 	3h	75
6/5	<ul style="list-style-type: none"> Fixed when editing a saved lesson a new lesson saves and not an updated version of the current lesson 	1h	76
6/6	<ul style="list-style-type: none"> Worked fixing a couple of bugs on appending a resources via Add button (new resources via AppBar were not being inserted correctly) and resetting the resources array upon the loading of the CreateView page Worked on LessonReadView with styling –still need to style website display. Worked on cleaning up ResponsiveAppBar and styling LessonCreateView 	3h	79
		1h	80
		2h	82
6/11	<ul style="list-style-type: none"> Add Edit lesson button on read view – applicable only if user is creator When creating a lesson, need to record id for created by Add logout functionality Worked on when editing a lesson, if title changed, should save as a new lesson; if title is unchanged, should overwrite existing lesson. Struggled with updating subsequent edits... 	1.5h	83.5
		0.5h	84
		0.5h	84.5
		2h	86.5
6/12	<ul style="list-style-type: none"> Changed strategy to adding a file drop down menu with options to save, save as new lesson, create new 	3h	89.5
6/13	<ul style="list-style-type: none"> Worked on File Menu option Open, including option to open a lesson without saving the current lesson 	3.5h	93
6/14	<ul style="list-style-type: none"> Refactor LessonCreateView to put File Menu management and resource drag and drop into their own components 	3h	96
6/15	<ul style="list-style-type: none"> Added File Menu to LessonList and LessonReadView (with appropriate functionality tailored to each view) 	2h	98
6/17	<ul style="list-style-type: none"> Added a basic version of “sections” to lessons as lesson plans should consist of sections (which then consist of resources) 	9h	107

6/18	<ul style="list-style-type: none"> Added ability to add resources into sections <ul style="list-style-type: none"> Made resources drag/droppable within sections 	2h	110
6/19	<ul style="list-style-type: none"> Added active section to state so user can add resources to specific section via AppBar and Context Menu <ul style="list-style-type: none"> Much prop-drilling, decided to manage active section state via redux Changed reorderResources in resourcesSlice to handle drag/drop within an active section Adjusted LessonReadView to handle sections 	5h	115
6/20	<ul style="list-style-type: none"> Fixed context menu bugs: <ul style="list-style-type: none"> adjusted position to take account of scroll Fixed warning on Active form state updating while rendering Fixed right-click context menu appears in multiple sections simultaneously 	3h	118
6/21	<ul style="list-style-type: none"> Add sections (above or below) via context menu Modified Add Text to be an inline editor with a section so that text adding doesn't appear as a popup 	1h 5h	119 124
6/24	<ul style="list-style-type: none"> Added Edit ability to each resource once added: <ul style="list-style-type: none"> Consolidated adding different types of resources into one component, AddResource, to handle adding/editing resources Added async thunk to resourcesSlice (might use to save individual resources) Refactored in-line TextEditor in SortableComponent to its own component Refactored AddResource into AddEditResource that handles the code for both adding and editing resources <ul style="list-style-type: none"> Deleted AddText/Document/Website/Video components Refactored ActiveForm by taking the code that handles adding new sections into its own SectionManager component 	6h	128
6/25	<ul style="list-style-type: none"> Refactored ResourceList and LessonCreateView: <ul style="list-style-type: none"> ContextMenuHandler to handle context menu actions ResourceList to display the list of resources DragAndDrop Handler to handle drag and drop operations ClickOutsideHandler for handling clicks outside a component Added ability to add resources at where right click occurred and refactored ActiveForm and AddEditResource 	4h 1h	132 133
6/26	<ul style="list-style-type: none"> Refactored LessonList: LessonList component sets the selected lesson and context position. LessonListContextMenuHandler handles the context menu display and option selection. 	4h	137
6/27	<ul style="list-style-type: none"> Added local storage for user info upon sign in so user data can persist to multiple windows Updated LessonReadView to load user data from local storage Created context menu for each resource to replace buttons for Edit, Delete and Open in New Window (incredibly stuck on context menu not appearing in correct position) 	2h 4h	139 143

7/3	<ul style="list-style-type: none"> Made Open in New Window option functional Refactored some styling sheets Ensured resources belonging to a section are deleted when the section is deleted 	3h	145
	<ul style="list-style-type: none"> Added some lesson details: <ul style="list-style-type: none"> Tracked dateModified Display UserName instead of UserId Add ability to associate lessons with courses 	1.5h	146.5
7/8	<ul style="list-style-type: none"> Added functionality to share a lesson: <ul style="list-style-type: none"> Added share lesson and fetch shared lessons to lessonsSlice (rough for now, will fine tune after backend setup) Added share option to appropriate menus Created a modal to show on share option click 	3h	149.5
	<ul style="list-style-type: none"> Fixed bug in LessonReadView not loading lesson data after SaveAsNew option 	2h	151.5
7/9	<ul style="list-style-type: none"> Enabled the previewing of a lesson from state instead of saved lesson; used local storage to open a preview window 	4h	155.5
7/10	<ul style="list-style-type: none"> Started work on backend with GraphQL. Created index.js with initial data, schema and resolvers 	1h	156.5
7/11	<ul style="list-style-type: none"> Created initial schema, models and resolvers, connected to MongoDB, and loaded some initial data 	4h	160.5
7/13-14	<ul style="list-style-type: none"> BE work: <ul style="list-style-type: none"> Added some error handling - done Added some logging using Morgan Added some data validation Added some testing Added user authentication 	6h	166.5
		2h	168.5
7/15	<ul style="list-style-type: none"> Add authentication before adding a lesson (and added a test for that); Was having trouble with correctly passing context. 	4h	172.5
	<ul style="list-style-type: none"> Added backend support for the sharing lessons functionality to be implemented when FE & BE are integrated Add sharing capability to backend Added add section and add resource mutations and tested creation of new lesson 	2h	176.5
	<ul style="list-style-type: none"> Refactored resolvers file and tests to make them manageable Added mutations: <ul style="list-style-type: none"> Update resource, update section, delete resource, delete section Update resources and sections array for reordering 	3h	179.5
7/16	<ul style="list-style-type: none"> Began integration with front end Need to continue w/ lesson list; updating models, resolvers, etc. 	8h	187.5
7/17	<ul style="list-style-type: none"> Continued backend integration: updating LessonList component and resolvers 	4h	191.5
7/18	<ul style="list-style-type: none"> Continued backend integration: converting uuids to objectIDs and 	10h	201.5

	modifying resolvers and to handle saving of new lesson and updating previously saved lesson		
7/19	<ul style="list-style-type: none"> ● Had to restructure code to create and save a new lesson and section upon creation of new lesson. Prior to graphql, a new lesson was only saved after the user chose to save it. ● Finally solved correcting the schemas, models and reducers to do so. ● Updated SectionManager to interact with graphql ● Updated SectionList to work with both redux (to reorder sections) and graphql (to update sections) 	3h	204.5
7/20-22	<ul style="list-style-type: none"> ● Was digging myself into a hole and restarted the FE-BE integration process, trying to only use graphql interactions when saving a lesson. ● Used ObjectIDs in FE as converting uuids from FE to ObjectIDs in the BE was not going well. ● Updated LessonCreateView to use GET_LESSON instead of fetchLesson ● Update Lesson schema to have sections as an array of Sections whereas prior it was an array of SectionIDs ● Fixed ability to add and update lessons with sections and resources + ability to delete resources ● Fixed LessonList not updating ● Fixed section title not updating 	15h	219.5
7/23	<ul style="list-style-type: none"> ● Fixed Adding Sections above/below ● Fixed Sections drag/drop + refactored DnDHandler to be reused for resource list and section list ● Fixed website display ● Added ability to add an online picture with a caption ● Fixed Preview Lesson not appearing ● Made a sticky header for LessonCreateView ● Fixed: updated LessonList after delete 	7	226.5
7/24	<ul style="list-style-type: none"> ● Fix formatting date ● Need validation: <ul style="list-style-type: none"> ○ Lesson titles and usernames must be unique ● Work on shared lesson, including <ul style="list-style-type: none"> ○ Add a field to the lesson model to keep track of the users with whom the lesson is shared. ○ Create a mutation for sharing a lesson. ○ Implemented a ShareLessonModal ○ Update the resolvers and graphql queries/mutations accordingly 	8	234.5
7/25	Fixed bugs: <ul style="list-style-type: none"> ● User unauthenticated error on logout ● Made share lessons an option only for users that created the lesson ● Fixed lessons not updating after being shared 	1.5	234
	<ul style="list-style-type: none"> ● Fixed edit resources not working properly (updated titles but not other data) <ul style="list-style-type: none"> ○ Refactored Add/Edit resources and LessonCreateView 	3	237

	<ul style="list-style-type: none"> ○ Added fetchLesson to lessonsSlice ● Added shared with column in LessonList 		
7/26	<ul style="list-style-type: none"> ● Deployed on fly.io, had to solve two issues <ul style="list-style-type: none"> ○ Made a separate deployment for the og-metadata server ○ Had to add a catch-all route to handle client-side routing and serve our index.html file in order to get lesson previews to work 	4	241
7/27	<ul style="list-style-type: none"> ● Set up and ran lint and corrected errors 	1	242