

# Rubric



## Final Web App: Attention to Detail (20%)

No Marks		Half Marks		Full Marks	
The submission to Gradescope <b>does not include</b> a project folder for a React Web app containing <b>either</b> source files (JavaScript files & related assets) or a distributable bundle.	0.00 %	The submission to Gradescope <b>includes</b> a project folder for a React Web app containing <b>either</b> source files (JavaScript files & related assets) or a distributable bundle.	2.50 %	The submission to Gradescope <b>includes</b> a project folder for a React Web app containing <b>both</b> source files (JavaScript files & related assets) and a distributable bundle.	5.00 %
The project folder <b>does not feature</b> an appropriate file/folder naming/structure, or files are <b>difficult to locate</b> .	0.00 %	The project folder features a <b>mostly appropriate</b> file/folder naming/structure, but some files are <b>difficult to locate</b> .	2.50 %	The project folder features an <b>appropriate</b> file/folder naming/structure, with all files <b>organised into folders</b> by purpose.	5.00 %
The app <b>does not run</b> via Node.js (loading into a web browser), requiring <b>significant</b> modifications to get it running.	0.00 %	The app <b>does not run</b> via Node.js (loading into a web browser), but only requires <b>minor</b> modifications to get it running.	2.50 %	The app <b>runs</b> via Node.js (loading into a web browser) with no issues.	5.00 %
The app demonstrates <b>little to none</b> of the expected design & functionality via the web browser's viewport.	0.00 %	The app demonstrates <b>most</b> of the expected design & functionality via the web browser's viewport.	2.50 %	The app demonstrates <b>all</b> of the expected design & functionality via the web browser's viewport.	5.00 %

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## Final Web App: React Web Usage (40%)

No Marks		Half Marks		Full Marks	
<b>Does not</b> demonstrates an understanding of declaring & exporting React Web components, with a <b>heavy</b> reliance on a few large components and <b>little to no</b> multiple files.	0.00 %	Demonstrates <b>some</b> understanding of declaring & exporting React Web components, but <b>some</b> larger components <b>could be</b> broken down into smaller chunks.	5.00 %	Demonstrates a <b>strong</b> understanding of declaring & exporting React Web components, that are <b>appropriately</b> broken down into smaller chunks across <b>multiple</b> files.	10.00 %
<b>Does not</b> demonstrate an understanding of importing & calling React Web components, HTML elements &/or JavaScript logic using JSX.	0.00 %	Demonstrates <b>some</b> understanding of importing & calling React Web components, HTML elements &/or JavaScript logic using JSX.	5.00 %	Demonstrates a <b>strong</b> understanding of importing & calling React Web components, HTML elements & JavaScript logic using JSX.	10.00 %
<b>Does not</b> demonstrate an understanding of <b>either</b> app-wide or inter-component data communication via React Web's states & props.	0.00 %	Demonstrates <b>some</b> understanding of <b>either</b> app-wide or inter-component data communication via React Web's states & props.	5.00 %	Demonstrates a <b>strong</b> understanding of <b>both</b> app-wide & inter-component data communication via React Web's states & props.	10.00 %
<b>Does not</b> demonstrate an understanding of the render process, resulting in <b>unnecessary</b> re-renders and <b>most</b> side effects occurring during render (rather than handling via React Web's hooks).	0.00 %	Demonstrates <b>some</b> understanding of render process, with <b>some</b> unnecessary re-renders, and <b>some</b> side effects occurring during render (rather than handling via React Web's hooks).	5.00 %	Demonstrates a <b>strong</b> understanding of the render process, <b>minimising</b> unnecessary re-renders, and <b>all</b> side effects handled via React Web's hooks.	10.00 %

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## Final Web App: Integrations & Markup (25%)

No Marks		Half Marks		Full Marks	
<b>Does not</b> use dependencies to support routing (React Router) and playing sounds (Tone.js).	0.00 %	<b>Uses</b> dependencies to support routing (React Router) and playing sounds (Tone.js), but <b>could be better</b> integrated into the code.	4.16 %	<b>Integrates</b> dependencies, or demonstrates suitable <b>bespoke</b> alternatives, to support routing (React Router) and playing sounds (Tone.js).	8.33 %
<b>Does not</b> integrate with the WMP API for long-term storage & sharing of app state using fetch, or <b>all</b> data communication within the app <b>relies</b> on the API instead of app state.	0.00 %	<b>Integrates</b> some endpoints of the WMP API for long-term storage & sharing of app state using fetch, or <b>some</b> data communication within the app <b>relies</b> on the API instead of app state.	4.16 %	<b>Integrates</b> all endpoints of the WMP API for long-term storage & sharing of app state using fetch, <b>supplementing</b> the app state.	8.33 %
<b>Does not</b> integrate good practice web design techniques in markup (e.g. semantic HTML elements, class names, meta data etc), with <b>heavy reliance</b> on div elements & inline styles.	0.00 %	Integrates <b>some</b> good practice web design techniques in markup (e.g. semantic HTML elements, class names, meta data etc), with <b>improvements required</b> .	4.16 %	<b>Integrates</b> good practice web design techniques in markup (e.g. semantic HTML elements, class names, meta data etc).	8.33 %

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## Final Web App: Code Style (15%)

No Marks		Half Marks		Full Marks	
Demonstrates <b>little to no</b> consideration of an easy to understand program structure befitting a React Web app.	0.00 %	Demonstrates <b>some</b> consideration of an easy to understand program structure befitting a React Web app.	2.50 %	Demonstrates <b>consideration</b> of an easy to understand program structure befitting a React Web app.	5.00 %
Demonstrates <b>little to no</b> consideration of code neatness (e.g. tabbing, whitespace) or consistency (similar to common style guides).	0.00 %	Demonstrates <b>some</b> consideration of code neatness (e.g. tabbing, whitespace) and consistency (similar to common style guides).	2.50 %	Demonstrates <b>consideration</b> of code neatness (e.g. tabbing, whitespace) and consistency (similar to common style guides).	5.00 %
Demonstrates <b>little to no</b> understanding of the code through comments, with comments above function declarations <b>excluding</b> @param and @returns.	0.00 %	Demonstrates <b>some</b> understanding of the code through comments, with comments above function declarations <b>including</b> @param and @returns.	2.50 %	Demonstrates <b>understanding</b> of the code through comments, with comments above function declarations <b>including</b> @param and @returns.	5.00 %