- ES6 Modules

- Event delegation for elements not yet created

- Display spinner animation for asynchronous fetch downloads and uploads

- Used Parcel for development environment and bundling.

- Parcel and Babel for transpiling.

- Parcel and ‘core.js/stable’ for polyfilling.

Handling load and hashchange events

- Base and Sub Classes

- Static Methods

- Local Storage

- Protected fields and methods for Main Class Inheritance for Sub Classes/Objects

- Private fields and methods where appropriate

- Usage of FormData() to retrieve form input data for new recipe

- Usage of Object.fromEntries() - to convert input data array of entries to an object

- Object.entries to convert an object into an array

- window.history.pushState() - change url without reloading page

- Create document fragment from text with document.createRange().createContextualFragment(markuptext)

- Use isEqualNode() to compare old and new DOM elements so that only changed elements are re-rendered.

- Use nodeValue to determine if a child element is a text node for update DOM comparison routine

- Use of data- attributes for update servings buttons

Lodash and cloneDeep function

**User Functionality**

**Search recipes**

Start by entering keyword(s) for a recipe search such as “pizza”, “pasta”, “onions”, etc.

View page(s) of results for various recipes

**View a recipe**

Select a recipe from results list to display recipe ingredients

Change number of servings as needed will change quantities of ingredients

Click <DIRECTIONS> button to go to to recipe origination website for further cooking instructions

**Add your own recipe**

Click <ADD RECIPE> button

Enter recipe input and click <UPLOAD> button

Recipe will be automatically Bookmarked

**Bookmark favorite recipes**

Click <Bookmark> button

**View a list of bookmarks**

Hover mouse over <BOOKMARKS> button