Employee Manager Test Plan v2

Overview:

In this project we are building an employee management system that includes a front-end and a persistent database (added in most recent version, v2.) It should run on any modern browser (post I.E. 8 and similar), and be fully functional, and reasonably styled. Chrome will be our recommended browser.

Testing Criteria:

- <u>Documentation/Requirements</u>
- Current desired functionality:
  - The ability to add, save, cancel, delete, search employee files
- New version features in the change log
- Front-end
- Back-end persistent database
  - API endpoint:
  - GET, POST, PUT, DELETE

Acceptance Critera:

- Should run on any modern browser (post IE 8 and similar), preferably Chrome.
- Simulated list of employees:
  - The application will load a simulated list of employees, and allow modifications to each. Clicking the employee from the list to the side will bring their file up in the editor.

- Add employee:
    - "Add Employee" option at the bottom will allow a new employee record to be created, defaulting with the name and title "New Employee", phone number (111)111-1111, and an ID number one greater than the last employee created, so that IDs are never repeated.
- Selected employee:
    - Your employee will consist of:
        - ID
        - Name
        - Phone
        - Title
        - All fields except for ID are editable.
        - *ID* - Should be whole numbers between 0 and 9999 *Name* - Any characters allowed, to a maximum of 30 characters *Phone* - Must be a 10 digit phone number
        - Accepted as regular digits or formatted as a US number
        - If entered as the former will be displayed as the latter *Title* - Any characters allowed, to a maximum of 30 characters *Email* - Any valid email address, to a maximum of 30 characters

- Save, cancel, delete:
    - *Save*: When saving a change, it will persist as you access other records and navigate back to the desired employee.
        - If there are unacceptable entries in the fields, an error message will pop up advising the users as to the errors they need to fix.
    - *Cancel*: The cancel button will revert the employee's file back to the most recently saved version.

- ○ *Delete*: The delete button will remove the employee record, and is irriversable. A dialogue asking the user to confirm their desire to remove the record will be presented.
- ○ The save and cancel buttons will only be accessible when modifications have been made.

- Search
  - ○ The search bar will compare any inputs to all fields on all employees, and filter the employee list for any employee that has at least one match.
  - ○ The clear button will empty the search field and revert to display ALL employees.
  - ○ Adding, modifying, or deleting employees while the search field is populated will update the results.
- API
  - ○ The API endpoint is currently:
    - ■ https://peaceful-inlet-88854.herokuapp.com/api/employees
  - ○ Basic API documentation is as follows:
    - ■ GET: will return an array of employees
    - ■ POST: will add an employee if the Body of the request contains a JSON with the properties id, name, phone, email, and title
    - ■ PUT: will edit an existing employee when sent to api/employees/{employeeId} with parameters of name, phone, email, and title
    - ■ Note, ID is not editable
  - ○ DELETE: will delete an existing employee when the request is sent to api/employees/{employeeId}
  - ○ Any request will return an array of the current employees in the database.

Entry Criteria:

- Acceptance criteria, documentation and requirements
- App runs in any modern web browser (post IE 8 and similar), preferably Chrome.
- Manual tests
- Nightwatch.js for automation testing
- Postman for API testing

Exit Criteria:

- Identify and fix high priority bugs pertaining to desired functionality.
- Confirm testing of high priority bugs.
- All critical testing completed.
- Acceptance criteria is met.
- Automated testing completed.
- API testing completed.

Links:

- Documention and requirements:
  https://devmountain-qa.github.io/employee-manager-v2/
- Employee Manager app can be found here:
  https://devmountain-qa.github.io/employee-manager-v2/build/index.html

- Github for automated testing:

  https://github.com/ChelseaHannan/employeeManagerV2
- Test and bug tracking - Trello board: https://trello.com/b/ePFIvBnG