

Technical Contribution Report (Final; Portfolio)

Project Information

URL (Original Project Repo)

<https://github.com/osu-cascades/foster-community-connect>

License

MIT License:

<https://github.com/osu-cascades/foster-community-connect/blob/master/LICENSE.md>

Description

This project creates a forum for foster families to indicate needs and potential donors to read about what is needed (and possibly donate those items). It facilitates a server-side component of the COFPA (Central Oregon Foster Parents Association) inventory tracking system. It has 54 files and 13,679 lines of code according to the [Count LOC](#) tool.

Summary of Work Product

Overview of Pull Request

I have created a [pull request](#) to the original project repository with the various changes described in the sections below. The diff for files added and changed can be found by clicking the “files changed” tab at the top of that pull request.

In addition to including the tests developed as part of Assignment 3 and the fixes as part of that assignment to other testing files so that tests now compile, I have made the changes described in the sections below.

Additional Test Suite Updates

I have updated the test suites for RequestFormComponent and DonationFormComponent as follows:

- Removed unnecessary detectChanges() function calls from beginnings of certain tests since detectChanges() is called at the end of beforeEach().
- Added tests for validation messages appearing when expected and being hidden when expected.
- Refactored form tests to use convenience class for shorter test function definitions.
- Added tests to ensure inputScreenDiv is displayed and confirmationScreenDiv is hidden upon component instantiation.
- Added tests to ensure component variables are initialized to expected values.
- Added tests to ensure that inputScreenDiv continues to appear and confirmationScreenDiv continues to be hidden upon submit button click if any fields are invalid and that previously filled in values continue to appear in input fields and model.
- Added tests that confirmation screen appears and input screen is hidden upon submission (with confirmation fields filled in correctly and model still containing the user-entered values).
- Added tests that component.submitted is set to false, form with prepopulated fields / model appears, and confirmation screen is hidden upon edit button click.
- Added convenience class and all tests to donation-form.component.spec.ts with slight modifications as necessary to reflect difference in form component types and properties.
- Refactored previously-written tests to replace toBeFalsy and toBeTruthy wherever possible.

Updates to HTML Templates to Make Testing Easier

I have made the following updates to HTML templates by adding ids to various tags to make testing easier.

- Added ids to each validation error message in request-form.component.html to aid in testing.
- Added HTML tags for form input screen, confirmation screen, and confirmation messages.

Updates to Fix Issues Identified in Testing

I have made the following updates based on issues identified in unit testing:

- Changed names of reference variables in template so that they are specific to each field (such as #firstName="ngModel"). Updated validation checks

accordingly to use the new reference variable names. After this change, field empty validation messages, which were not previously appearing as expected, appear correctly, as shown in the screenshot below:

Request Form

First Name

Please enter your first name

Last Name

Please enter your last name

Email Address

Please enter a valid email address

Please Number

- Added “email” attribute to email input field so that format of email could be validated. Related test now passes. As shown below, a validation error message is now displayed when an email in an improper format is entered:

Request Form

First Name

Last Name

Email Address

Please enter a valid email address

Component Class Update

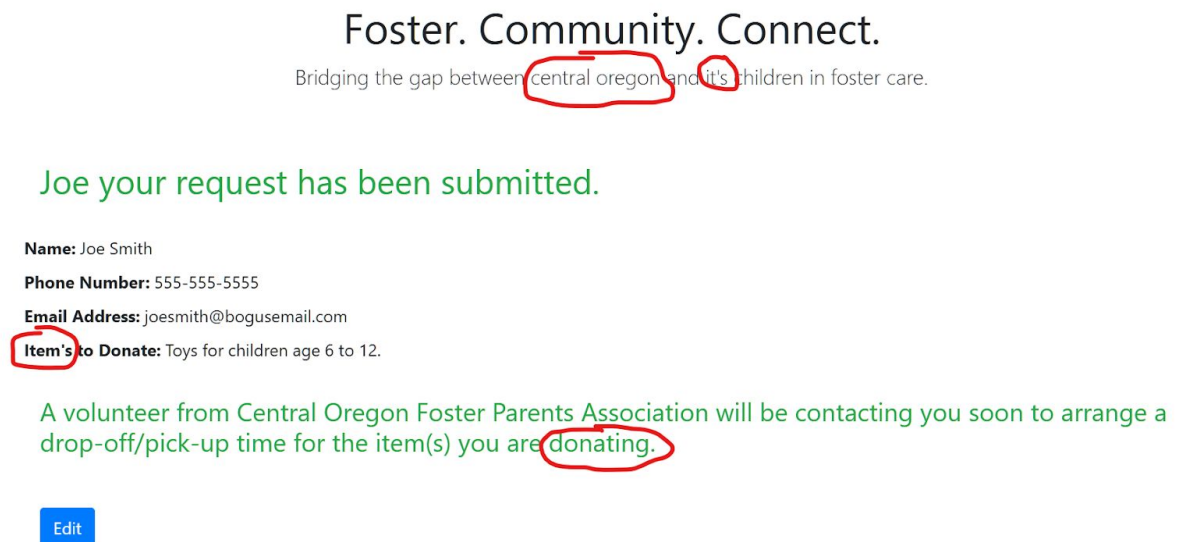
I have changed the `formType` field of the `DonationForm` model in `donation-form.ts` from “public” to “readonly” since its value should be final once set. Unlike the other fields of the model, this field is not updated by user interaction with the form, but is instead only set when the form is initially instantiated.

Formatting and Grammar Updates

I have made the following updates to formatting and grammar described below:

- Updated email validation error message in form templates to be more specific that email must be entered in valid format.
- Extracted individual starter-template divs from each route's template into app.component.html since the heading and subheading of each page under the nav bar are intended to be the same on each page; future changes to this heading and subheading within app.component.html will propagate to all pages.
- Removed extraneous <!DOCTYPE>, <html>, <body>, and <main> tags from request-form.component.html and donation-form.component.html since they are not needed in Angular html templates and, for some reason, seemed to be the cause of the heading and subheading on the request form and donation form pages to appear with substantially more whitespace above them than on the main page. Removing these tags resolved that issue.
- Made various minor wording and grammar revisions to the text displayed on various pages. For example, here are screenshots of the original and revised request form submission confirmation pages:

Original Confirmation Page (Example Issues Circled in Red):



Revised Confirmation Page (Example Revisions Circled in Blue):

Foster. Community. Connect.

Bridging the gap between Central Oregon and its children in foster care.

Bob, your request has been submitted.

Name: Bob Jones

Phone Number: 5555555555

Email Address: bobjones@bogusemail.com

Item(s) Requested: Toys

A volunteer from Central Oregon Foster Parents Association will be contacting you soon to arrange a drop-off time for the item(s) you are requesting.

Edit

Reflection on Original Repository Contributor's Response to Pull Request

The pull request was closed by a contributor with write access to the original repository within less than an hour of me making it. His comment was as follows: "Thank you for the pull request! Unfortunately we can't merge this as-is. I recommend breaking apart this large PR as separate, smaller requests that are each focused on one particular part of the system."

I was a little disappointed after the hard work I spent learning Angular and the Jasmine testing framework all quarter that this pull request was rejected so quickly. I understand that, in a context outside of class, one would typically make smaller pull requests, each specific to a given feature. However, I was building up to this large pull request this quarter as I was learning about various aspects of Angular / Jasmine and of open source software development.

I am very interested in continuing to attempt to contribute to this project after this class is over, but I only want to do so if the project owners actually want outside contributions (or contributions from students). I cannot tell if the repository owner was just being polite and not actually interested in contributions or if he would be interested in considering them if they were broken down into separate pull requests.

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