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Team Member Information

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Stage B

Feature 1: Exit Survey

Rationale

This feature is needed because it is a way to gather feedback from users, it will allow us to look upon comments and opinions of the users and then apply those those suggestions to implement meaningful changes in the project. If the survey is something which is jus pushed to the side, many users might not feel the need to take it, but because with this it is pushed in front of the user, the user will be more inclined to provide feedback.

This technology required for this feature includes form creation, saving user data to a json file, saving the user data correctly where it does interfere with previous data, adding a system to detect if the user is leaving the browser, and upon leaving that browser showing them a survey, also redirecting back after the submitting the survey, also required are get and post reqs as well as custom routes to redirect

Several things will be required to implement this feature:

* adding the survey form in the base html template file so that no matter what route you are in, it is still reachable,
* post req will be used to post user data from the survey upon form submit to routes
* taking the submitted form data & saving it to a json file will also be required
* form route will require a redirect for a confirmation message
* a way to detect when the user is exiting the browser
* a way to halt the user to fill the survey first before exiting the browser

Requirements

* As a user, I want to encounter the popup survey when I hover over the browser x button, indicating I want to leave
* As a user, I want to receive a confirmation when I click x to leave the browser
* As a user, I want to fill out the survey form and submit my data and be redirected to where I was beforehand after I got redirected

Deliverables

* Design:

A diagram of a survey form

Description automatically generated

* code:

https://github.com/lschwartz15/440project

* test:

https://github.com/lschwartz15/440project

* documents:

https://github.com/lschwartz15/440project

Test Plan

Unit tests:

* check get route of form
* check that the form data is correctly saved to a json file
* check that the form appears when it is supposed to

Milestones and Deadline

* + **Deadline**: 11/8
  + Milestone 1
    - Date: 11/4
    - Goal: make design for requirements of implementation and implementation
  + **Deadline**: 11/15
  + Milestone 2
    - Date: 11/8
    - Goal: get a rough prototype for implementation locally
  + **Deadline**: 11/22
  + Milestone 3
    - Date: 11/15
    - Goal: make my own branch in github and test conflicts

Risk Analysis

1. Added additional steps for exiting the website since the confirmation to leave will appear upon the user trying to leave
2. properly saving user data to the json file

Stage C: Progress

Feature Implementation

Week 1

Summary:

working on prototype for survey upon expected behavior

* researching a way to block users from directly leaving the web page
* seems there is a security risk for the browser, so there are limited actions I am able to take
* beforeunload looks promising, it asks for confirmation of the user before leaving the page
* I plan to show survey upon triggering this event

Milestones or risks in this week:

almost achieved milestone 1, have to change implementation plan a little

Week 2

Summary:

trying to implement the feature in riki

* made my own branch for testing
* making sure the form pops up when it is supposed to
* added event for form to popup upon user hovering over x
* added prototype beforeunload, looks like it has very limited use because of browser security

Week 3

Summary:

trying to properly store user data in json file

* upon submit form now saves to json file
* added custom routing for form
* accounted for case where there is initially no data in json file

Week 4

Summary:

patching up the feature

* added confirmation message upon form submit
* added redirect from form submit to confirmation to back to prior page
* adding unit tests