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Requirement Analysis

Interface: Web Based Survey

Functional Requirements:

* The form will allow users to input their responses using appropriate input buttons, input buttons for specific choices, check boxes for multiple answer questions, input boxes for user specific information.
* The form will provide optional fields for further contact about the results or further actions taken depending on the results of the survey.
* The form will display both a Submit and Reset buttons. A submit button for the user to complete their survey, while the reset button will clear the survey of any user inputted information and return input options to default.
* If the user tries to submit the for while there is required information not fulfilled, the form will prompt the user to ensure that all questions are answered.
* The survey should have introductory questions that determine if the user has been to ASC and participates in social activities regularly.
* Upon submitting, the survey will let users know when they have completed it and when they can exit.

Non-Functional Requirements:

* Upon submitting their survey users selected choices will be added to a database where their values will be stored for further use.
* A numbering system to display what question the user is currently on and so they can possibly leave and come back and remember what question they left off at.

User Experience Requirements:

* Questions will be short to moderate in length so that users do not feel that the survey is taking too much of their time. Survey will be a total of 6 to 15 mandatory questions and 4 or fewer optional questions. Survey length will be 5 – 15 minutes in length.
* The survey will clearly indicate the beginning and end of a question using slightly bolded and larger text with corresponding input boxes

In this requirement analysis I found that a web based form required specific user tasks and designers must facilitate those tasks by also providing specific interactive devices. For example, in a survey the users’ data is crucial to the purpose of the sites main purpose and giving users the best input device to express themselves is equally important. A human limitation that influences my design is obviously users who never been to Alfred State before. Also, users who haven’t participated in many activities with on campus will be undereducated when answering some of the questions, but it can also lead to other questions that they can answer. To exclude or partition users who fall into the category of never attending ASC, the first question would serve that purpose. While on the backend the database could be configured to single out those participants to exclude them from making a report about the data. One usability measure that I will use to guide development is using simple tasks to reduce time to learn the interface, increase speed of use, and decrease rate of errors. I can potentially achieve this by keeping user actions limited to reading question and answer choices, scrolling up or down the survey, minimal typing (only an email address), and clicking answer choices. By keeping users limited to these specific tasks, it will lower the cognitive load on the user, allowing them to focus fully on answering the questions. Another usability measure I would use is limiting answers to 1-6 choices. This measure would also promote less cognitive power from the user allowing them to become more comfortable while still giving them a suitable amount of options to voice their opinions, making them feel in control. Some principles of design that are important for this task are getting and keeping the users attention using character sizes and color. Another principle that is important for this task is allowing reversal of actions. This impacts my design because I must allow users to reset their progress in the situation that they made many mistakes. Knowing this feature is available would relieve users of any fear they had of possibly making a mistake.

Layout Prototype

asdaasd

Different question and answer layouts

Answer Input

Answer Input

Answer Input

Question

Question

Question

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Footer?

Banner

Brief information about the survey.

Sample Questions:

* Are you currently enrolled at Alfred State?
* What building do you currently live in?
* Are you a member of any clubs or organizations on-campus?
* How many on-campus events did you attend last week?
* How do you find out about the events that you do go to?
* Would you go to more events if food/drinks were provided?
* What is your favorite type of event?
* Where do you prefer events to be held?
* Would you be more interested in events if they were free?