

Software Design Document for

Surveyfy

Version 1.0 approved

Prepared by

Azam Ahmad Khan

Chintan Rank

Monal Rupapara

University of Massachusetts, Boston

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1. Introduction

The Surveyfy is a Web Application for Automatic Online Survey Question Curation. With the help of a machine learning model, the web app aims to create and deploy online surveys and analyze implicitly generated parameters so that data gathering is accurate and efficient.

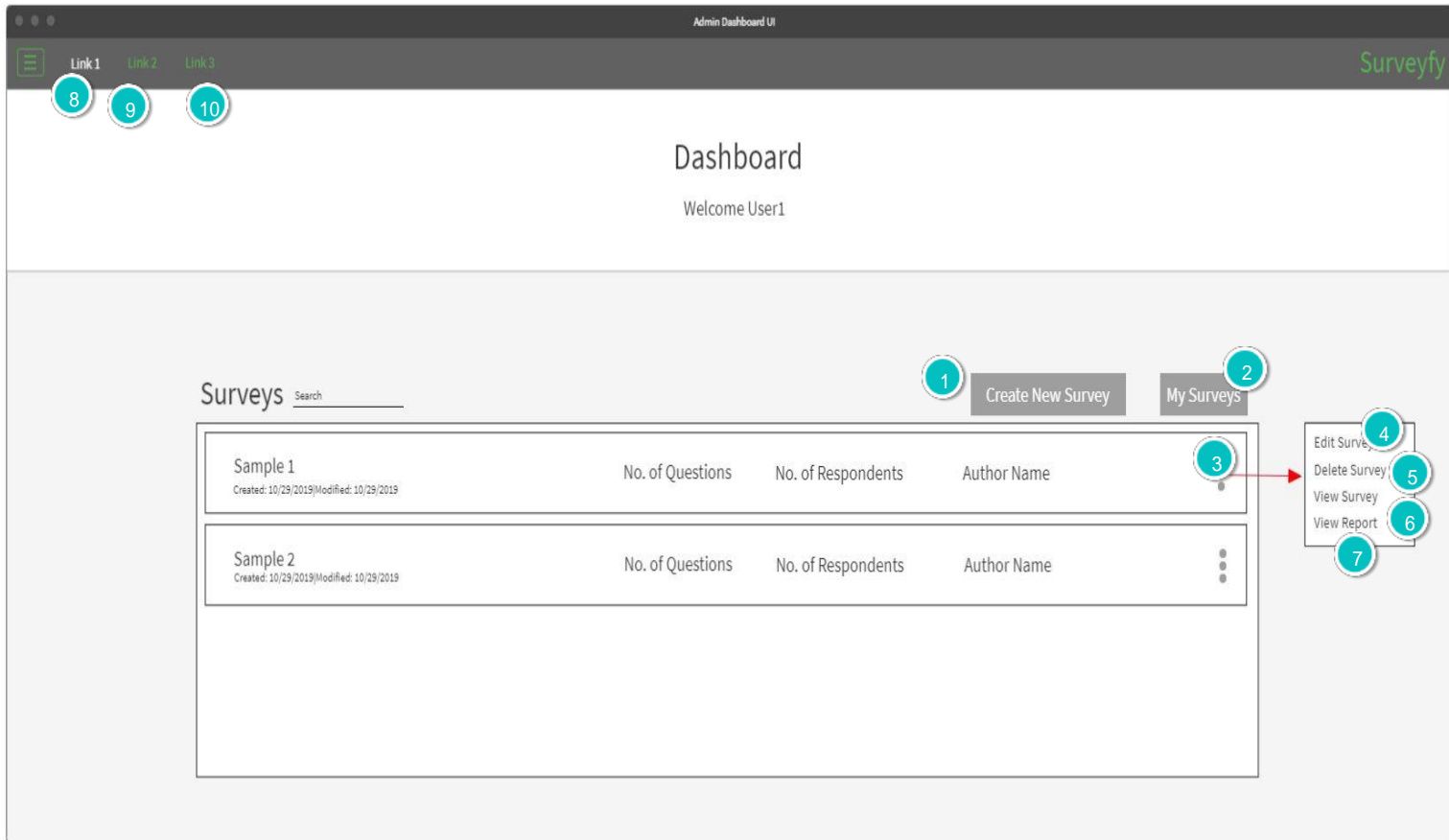
This project has already been hosted on a container-based cloud Platform as a Service (PaaS) called **Heroku**. However, the project currently does not involve any analysis of data using machine learning models.

1.1 Purpose

The purpose of this document is to present in detail, the description of the **changes and additions that will be** made to the web application. These changes will be mostly made in the admin module.

The document is also intended for review and evaluation by the project guide, Dr. Kenneth Fletcher.

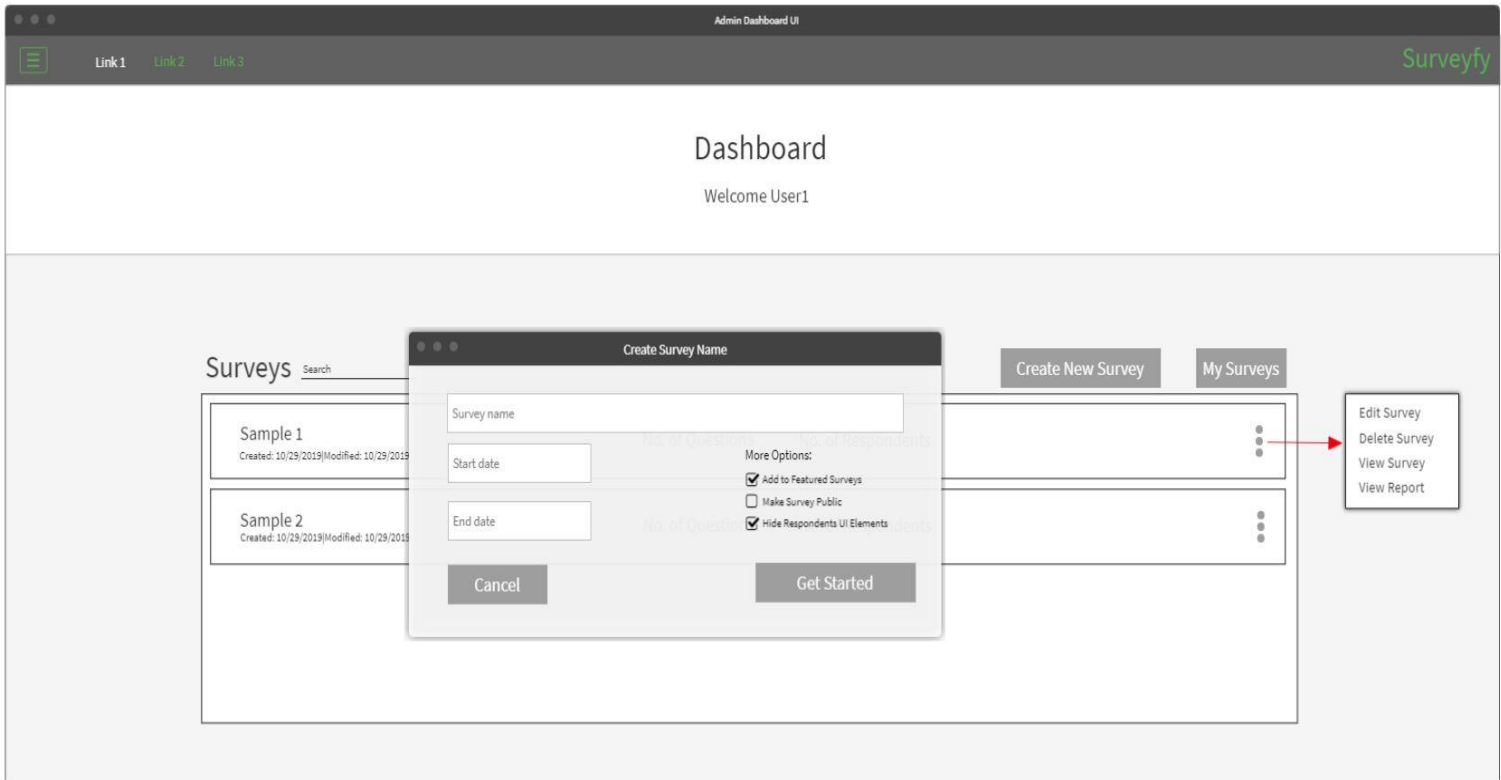
1) DashBoard



Interactions:

- | | | | |
|---|---|----|--|
| 1 | on Click Create New Survey : goes to 'Create New Survey Popup' | 5 | on Click Delete Survey : deletes the following survey |
| 2 | on Click My Surveys : goes to 'My Surveys' page | 6 | on Click View Survey : goes to 'View Survey' page |
| 3 | on Click: opens a menu with list of operations | 7 | on Click View Report : goes to 'Report' page |
| 4 | on Click Edit Survey : goes to 'Edit Survey' page | 8 | on Click My Home : reopens 'Dashboard' |
| | | 9 | on Click My Survey : 'My Survey' |
| | | 10 | on Click About Us : Goes to 'About' page |

2) New Survey Popup



Interactions:

- 1 on Click **Cancel**: goes to back to '**Dashboard**'
- 2 on Click: **Get Started**: goes to '**Create Survey**' page

3) Create Survey

The screenshot displays the 'Create Survey' interface within the Surveyfy Admin Dashboard. The dashboard header includes a menu icon, navigation links (Link 1, Link 2, Link 3), the title 'Admin Dashboard UI', and the Surveyfy logo. The main form area is titled 'Survey Title Name' and contains two question entries. Each entry includes a question title, a type selector (Multiple Choice or Multiple Select), an instructions field with a help icon and tooltip, a question difficulty dropdown, a toggle switch, and 'Remove Question' and 'Save Question' buttons. Question 1 is a 'Multiple Choice' question with three radio button options. Question 2 is a 'Multiple Select' question with three checkbox options. An 'Add Question' button is located at the bottom right of the question list. At the bottom of the form, there are 'Preview', 'Cancel', and 'Save Survey' buttons.

Survey Title Name

Question 1: Sample Question 1, Multiple Choice, Question Difficulty, Remove Question, Save Question

Question 2: Sample Question 2, Multiple Select, Question Difficulty, Remove Question, Save Question

Add Question

Preview, Cancel, Save Survey

Interactions:

- on Click **Remove Question button**: removes that particular question
- on Click **Save Question button**: saves the question for that session
- on Click **Add Question button**: opens a new question on the same page
- on Click **Preview button**: opens a new page showing a sample preview of the question
- on Click **Save Survey button**: Saves the survey and goes back to Dashboard page
- on Click **Cancel button**: reopens goes back to '**Dashboard**' page

4) Create Survey Choices

The screenshot displays the 'Create Survey UI' interface in the Surveyfy application. At the top, there's a header with 'Link 1', 'Link 2', and 'Link 3' on the left, and the 'Surveyfy' logo on the right. The main content area is titled 'Survey Title Name' and contains two question blocks. Each block has a title field (e.g., 'Sample Question 1'), an 'Instructions' field, and a list of options with radio buttons for 'Question 1' and checkboxes for 'Question 2'. A dropdown menu is open on the right side of the question blocks, showing options like 'Multiple Choice', 'Multiple Select', 'Grid Select', 'Text Box', 'Multi Row Text Box', 'List Row Text Box', 'Rating Scale', and 'Rating Slider'. The 'Multiple Select' option is highlighted in red. Below the dropdown is a 'Question Difficulty' toggle. At the bottom of the question blocks are 'Remove Question' and 'Save Question' buttons. A 'Preview' button is at the bottom left, and 'Cancel' and 'Save Survey' buttons are at the bottom right.

Interactions:

on Click **Multiple Choice Dropdown Menu**: Opens drop down menu for **question type** selection

5) Create Survey Question Difficulty

The screenshot shows the 'Create Survey UI' interface in the Surveyfy application. The top navigation bar includes a menu icon, 'Link 1', 'Link 2', 'Link 3', and the 'Surveyfy' logo. The main content area is titled 'Survey Title Name' and contains two question cards. Each card has a question title, a type dropdown, an 'Instructions' section with a 'What's this?' help icon, a list of options with radio or checkbox controls, a 'Question Difficulty' dropdown, a toggle switch, and 'Remove Question' and 'Save Question' buttons. The 'Question Difficulty' dropdown for the second question is open, showing options: 'Highly cognitive' (highlighted in red), 'medium cognitive', 'low cognitive', and 'Don't Know'. At the bottom, there are 'Preview', 'Cancel', and 'Save Survey' buttons.

Survey Title Name

Question 1 Sample Question 1 Multiple Choice

Instructions ? What's this?

☒ Sample Option 1

☐ Sample Option 2

☐ Sample Option 3

Question Difficulty [Toggle]

Remove Question Save Question

Question 2 Sample Question 2 Multiple Select

Instructions ? What's this?

☒ Sample Option 1

☐ Sample Option 2

☒ Sample Option 3

Question Difficulty [Dropdown]

Select the cognitive ability of the question:

Highly cognitive

medium cognitive

low cognitive

Don't Know

Remove Question Add Question

Preview Cancel Save Survey

Interactions:

on Click **Toggle button**: opens **Question Difficulty** option

on Click **Question Difficulty Dropdown Menu**: Opens drop down menu for **question difficulty** selection

6) Edit Survey

Edit Survey UI

Surveyfy

Link 1Link 2Link 3

Survey Title Name

edit survey title

Question 1. Better OS

Multiple Choice

On basis of performance.

What's this?

☒ iOS

☐ android

☐ symbian

Question Difficulty

Remove

Save Question

Question 2. Which is Better?

☐ Iphone

☐ android

☐ None

Question 3. Which is Better?

☐ Iphone

☐ android

☐ None

Add Question

Preview

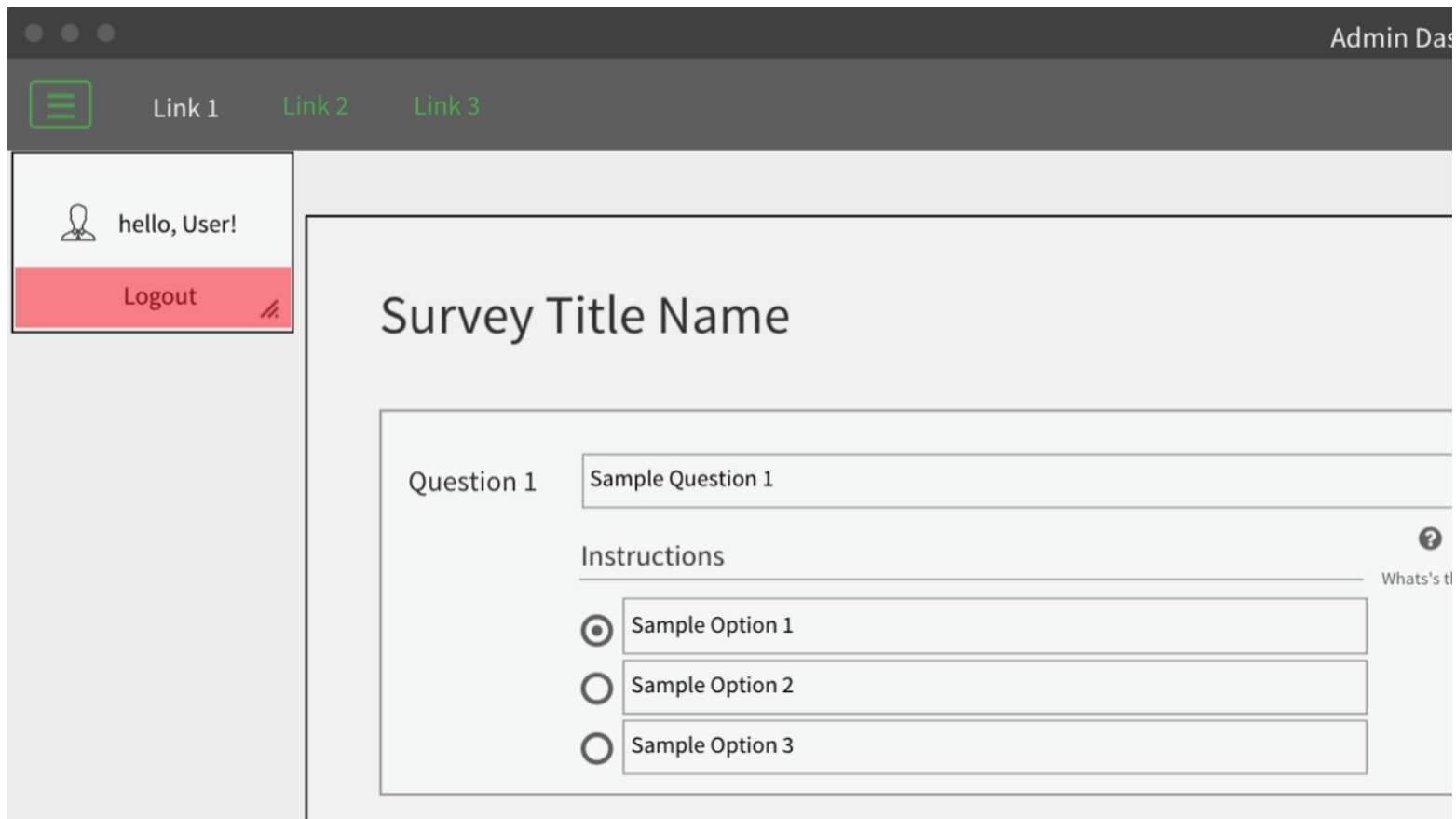
Cancel

Save Survey

Interactions:

on Click **Toggle button**: opens **Question Difficulty** option

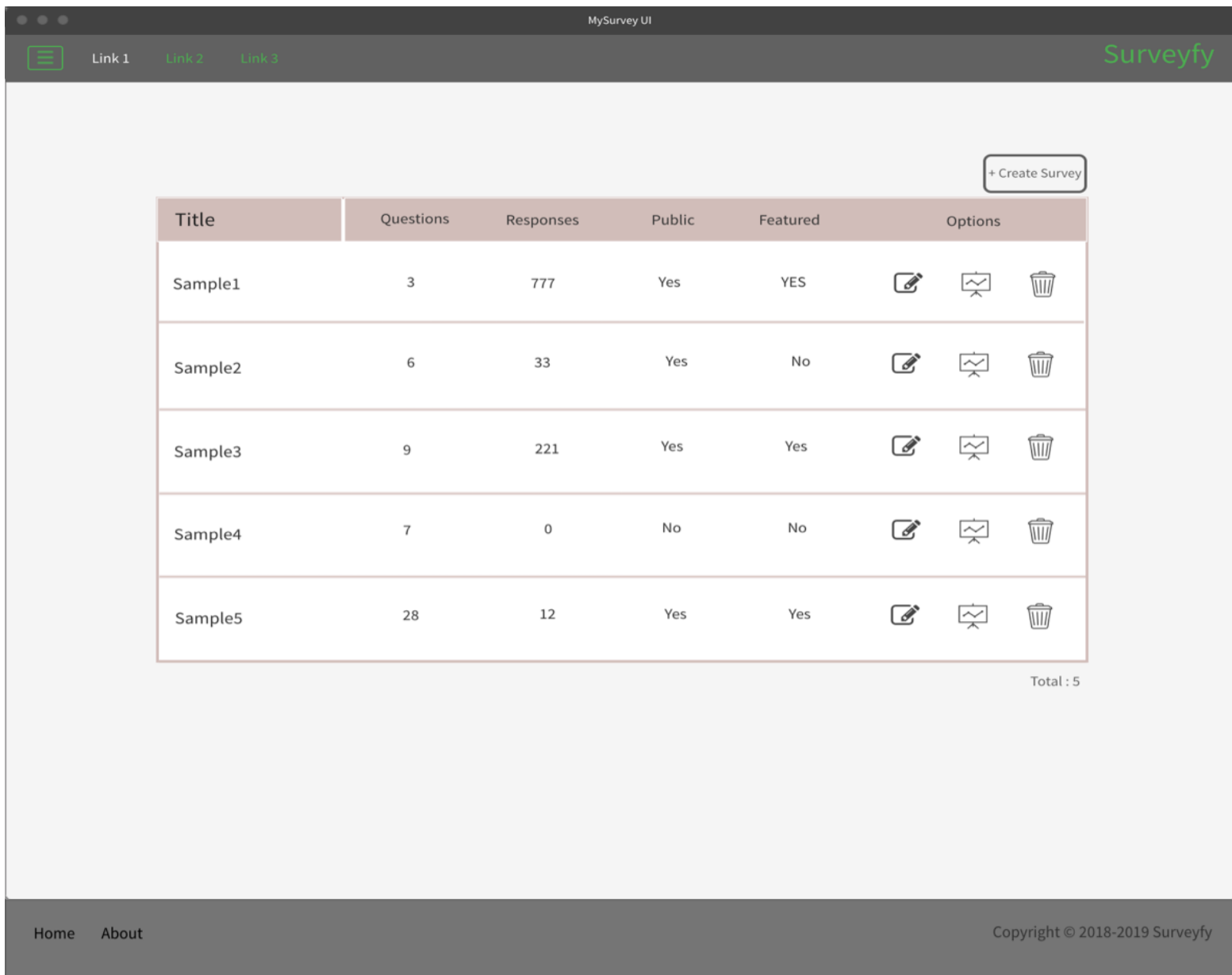
7) User Panel Menu



Interactions:

on Click **Menu button**: opens **sidebar menu**

8) My Survey UI



Interactions:

on Click **Create Survey button**: opens **Create Survey** page

on Click **Edit Icon**: opens **Edit Survey** page

on Click **Analyze Icon**: opens **View Report** page for that survey

on Click **Delete Icon**: opens a **popup** to confirm delete

9) About Us

