BISTEC GLOBAL

UI Developer- Test

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BACKGROUND & PURPOSE OF THE DOCUMENT

Purpose:

The purpose of this document is to describe a sample scenario and evaluate the candidate's way of approach and technical skills in working on it.

Sample Scenario:

There is a requirement to automate the process of population census / survey of a particular country. Currently it is a fully manual process where they use printed copies of survey forms. So, the expectation is to replace these printed survey forms with an online web form.

The head of each house in this country will receive a link on their email address. This link will direct them to the online web based survey form. So, each Head of House, should fill the form online and submit before the cutoff time. The respective government agency will send their staff to anyone who did not fill the online survey form and get the printed version filled at least.

The aim is to get at least a major portion of the Heads of Houses to fill the online form. This percentage (online forms submitted Vs. printed forms submitted) will determine the success or failure of this project & **therefore the usability of the form has the utmost importance.**

Here is a sample form which can be used for this assignment.

https://www2.census.gov/programs-surveys/decennial/2020/technical-documentation/questionnaires-and-instructions/questionnaires/2020-informational-questionnaire.pdf

[Source: U.S. Census Bureau]

Key points to note:

- The proposed system will be accessible for all the heads of houses in this country.
- Those users can be from 18 years to 70/80+ years of age. So, the user base would vary from very young to elderly Heads of Houses.
- There could be users with very low Know How on using a web form (Low computer literacy)
- The form should be very easy to understand, and the Heads of Houses should be able to fill the details with ease.
- The Heads of Houses may not fill it on one go due to

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number of questions. We will have to have a mechanism where they can take breaks while filling it and come back and start from where they left earlier (span of two weeks).

- We will not have any control over the environment where they will use this system (Desktop, laptop, browser, version, resolution etc.)
- In extreme cases, there could be differently abled Heads of Houses including color blindness, visually impaired, hand/finger disabilities, etc.

What you need to do:

- UX conceptual design of the survey form to demonstrate how they can overcome given constrains. It would be good to have an Adobe XD file (Clickable / navigate across) or any other tool you are familiar with. **No need to design the full survey form, only one or two sections would be enough.**
- Working prototype to demonstrate the proposed application structure
  - UI Prototype, Only Proof of Concept. No need to convert full UX design into a prototype
    a. Angular / VueJs or other wire up (basic app)
    b. Arrangement of CSS/Sass/less/Assets
    c. Selected a page or two to show proof of concept of application architecture
  - Share code on GitHub or another platform

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