IT351 Assignment 5

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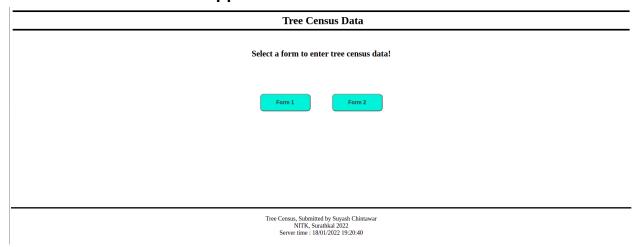ROLL NO.: 191IT109

Q. Design and create two different user interfaces for entering field observation data for the forest tree census application: Date and time of observation, tree-ID, tree name, tree type, GPS location and measurements need to be entered to the application. Critique on both user interfaces taking into account the design and general UI principles.

Rendering the web application:
Download and unzip the "code.zip" file. Open "home.html".

Screenshots of the web application:

Tree Census Data

Select a form to enter tree census data!

Form 1   Form 2

Tree Census, Submitted by Suyash Chintawar
NITK, Surathkal 2022
Server time : 18/01/2022 19:20:40

The first screen the user sees is the home page. Two buttons will be displayed. The user can select any of the two forms. Form 1 lacks many important UI principles where Form 2 is the improved version of Form 1.

Tree Census Data

Enter your tree census data here!

Tree ID:

Date:

Time:

Tree type:

Location:

Submit

Tree Census, Submitted by Suyash Chintawar
NITK, Surathkal 2022
Server time :

The above image displays Form1.

Tree Census Data

Enter your tree census data here!

Tree ID:

Enter Tree ID

Date:

dd/mm/yyyy

Time:

-- : --

Tree type:

Enter Tree Type

Location:

Enter Location

Submit

Tree Census, Submitted by Suyash Chintawar
NITK, Surathkal 2022
Server time :

The above image shows Form2.

Analysis:

All the required fields have been added to the forms. But Form1 does not follow some of the UI principles. As seen in the screenshot, the color contrast used in Form1 is not appropriate as the text is not clearly visible. Moreover, the placeholders have not been added which does not clearly instruct the use of the input field.

On the other hand, Form2 has a decent layout which is simple yet structured and visible. The color contrast used in Form2 allows the user to view all the text clearly. Specially used format of date and time input fields are used for clear interpretation of the field's use.

In the above experiment, we saw the importance of UI principles and analyzed the design of two different UIs of the same form. Hence, it is necessary to build clear and structured UIs considering all UI principles.

THANK YOU