

**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA,
SURATHKAL.**



DEPARTMENT: - INFORMATION TECHNOLOGY
IT351: - Human Computer Interaction
Assignment - 5

NAME : RAKSHIT KULKARNI

REG.NO : 191IT245

- **Problem Statement :-**

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.

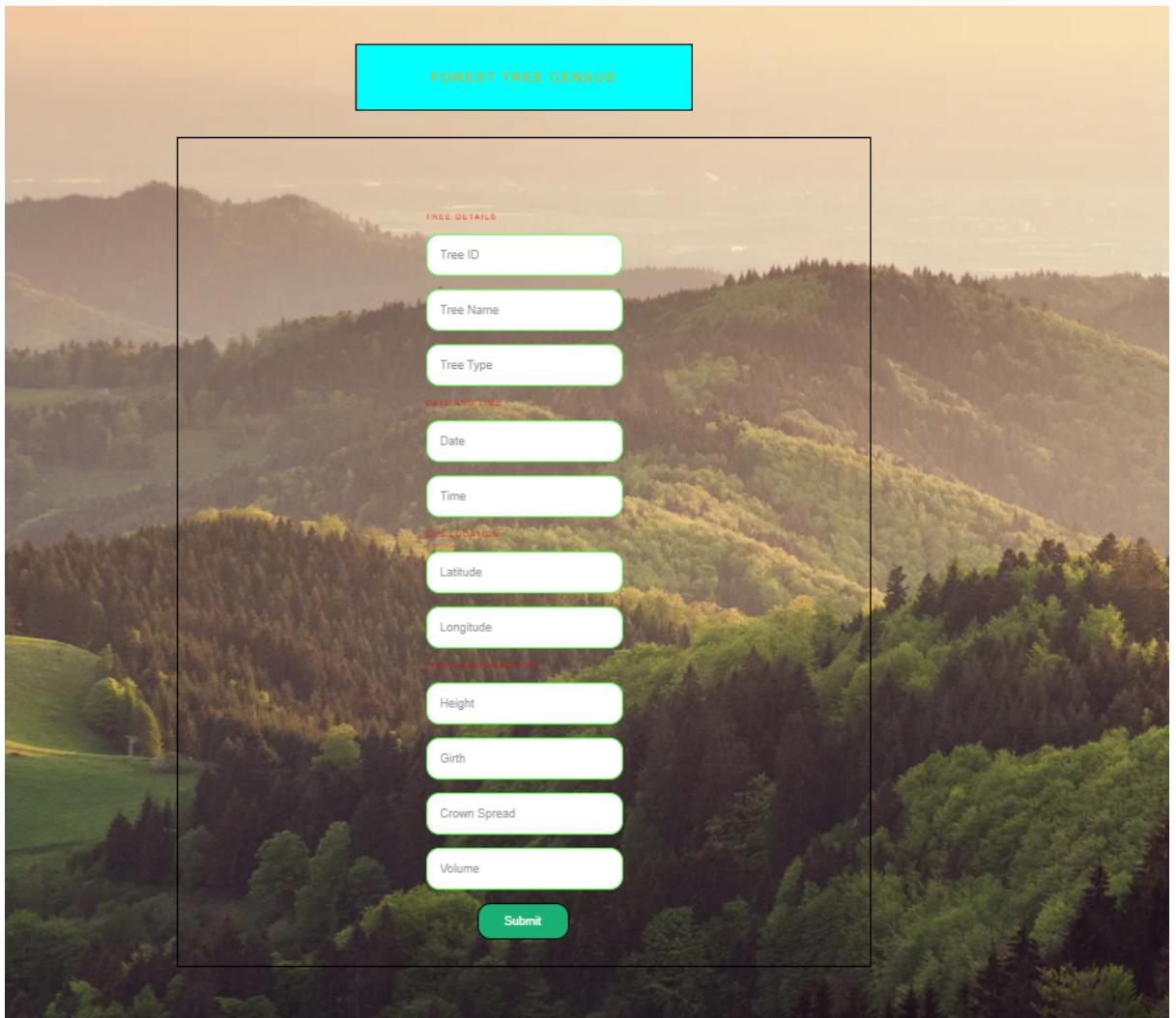
- **Design :-**

According to the problem statement I created two types of user interface.

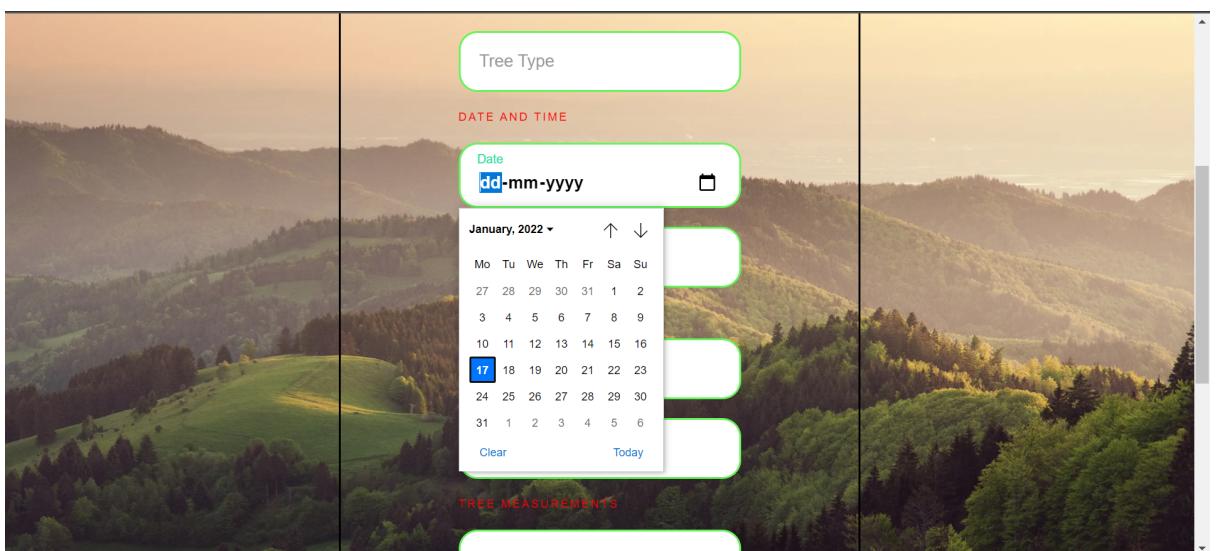
User Interface 1 :-

The home page of the first interface includes a form-like interface where the user has to enter the details about tree,date and time,GPS locations and measurements in the given input fields.For date and time the user need not to worry about the syntax since the I given the option where user will select them without any difficulty.Once the user clicks on the submit button only validation happens and it will be submitted.

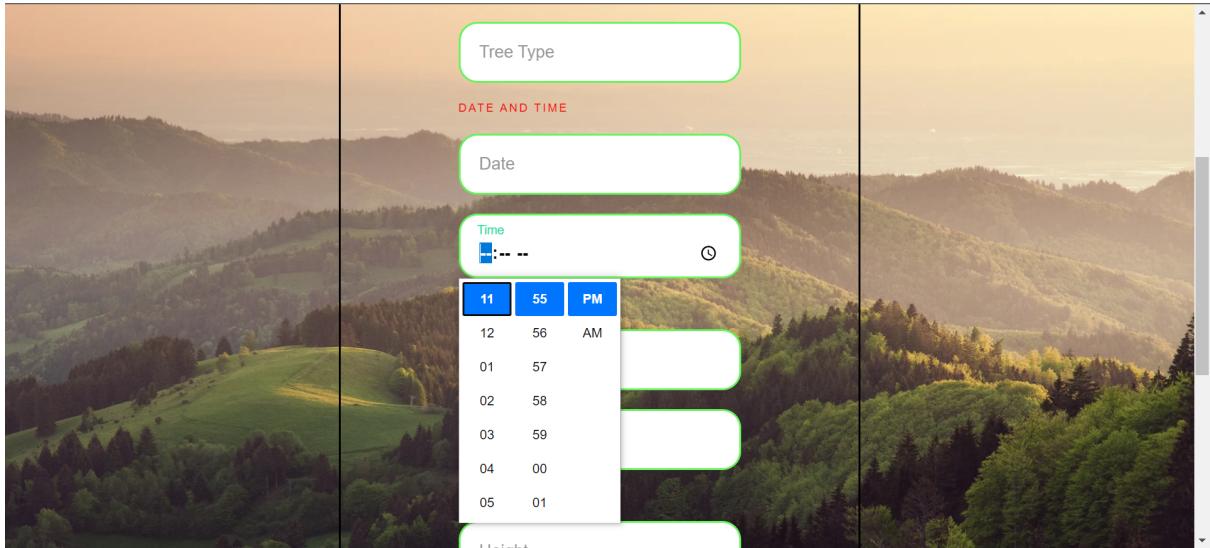
/*home.html*/



For date the calendar will be displayed.



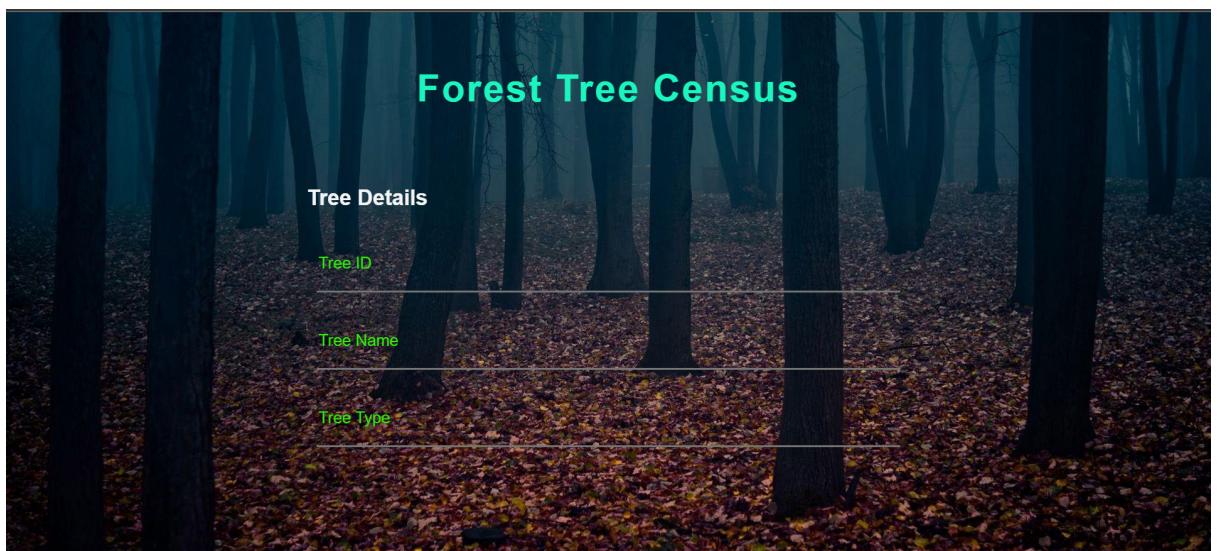
For time the watch type option will be displayed.



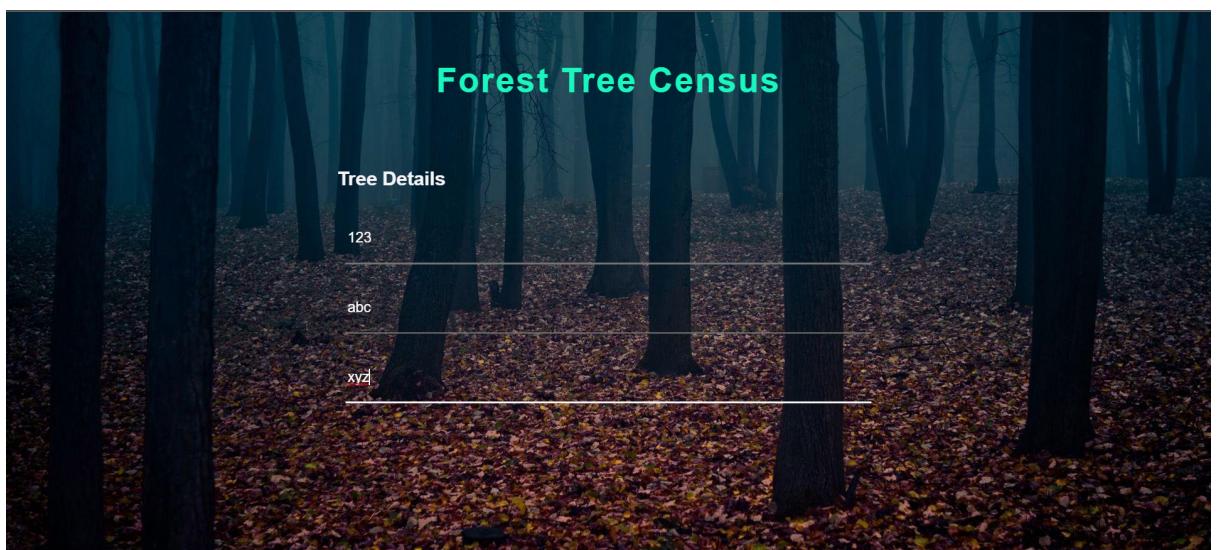
User Interface 2 :- The home page of the second interface is quite different from the first interface. First the page has input fields for only tree details. Once the user enters the last column of the tree details the next input fields will be displayed and so on. For date and time the user need not to worry about the syntax since the I given the option where user will select them without any difficulty.

Once the user clicks on the submit button validation happens and it will ask the user whether you want to submit or not if the user wants to edit he can select **CANCEL** button while conforming. Otherwise if user has entered correct details according to him then he can select **OK** button.

/*home.html*/



You can see there are no input fields below this. But once the user enters the details he/she can see the next input fields.



Forest Tree Census

Tree Details

123
abc
xyz

Date and Time

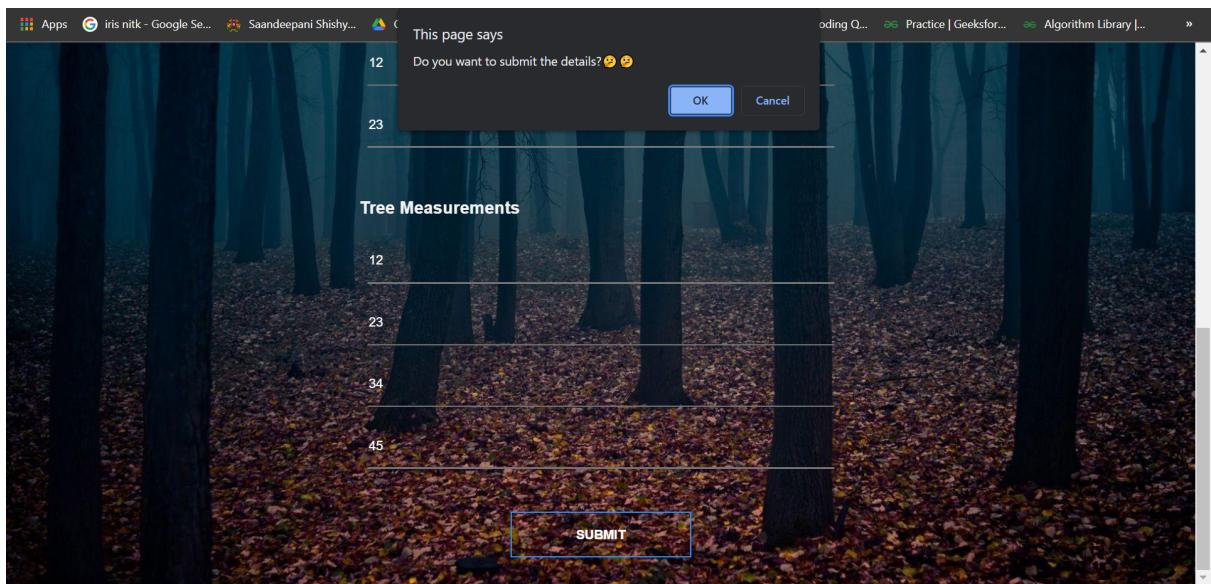
Delete
Time

Here, we can see the submit button. Once a user clicks validation will happen and he/she will be asked for a confirmation alert message.

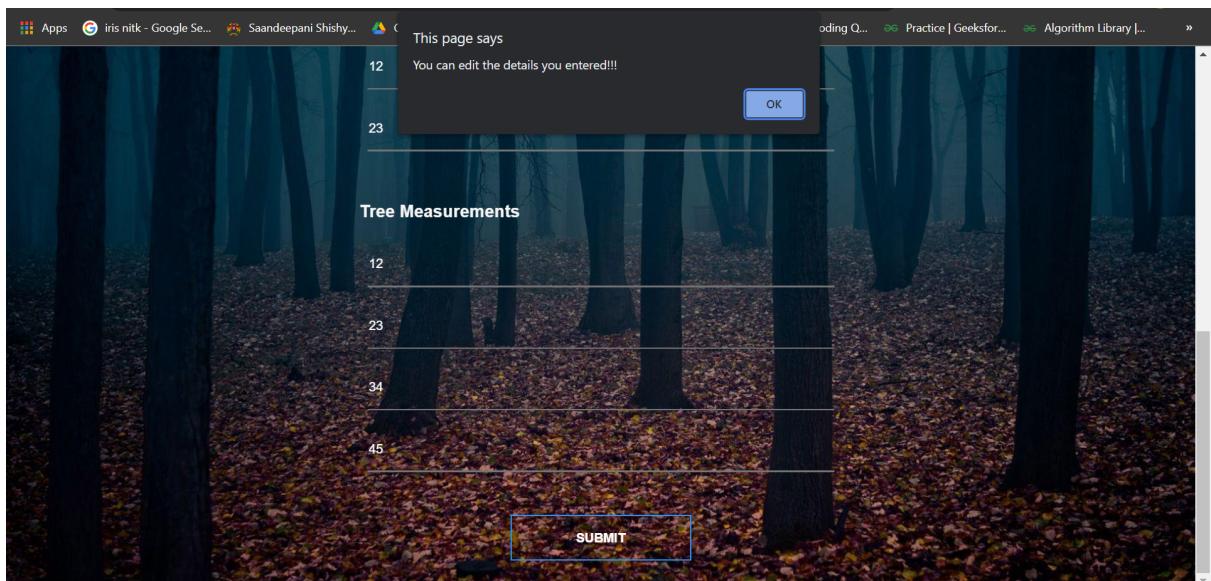
Tree Measurements

12
23
12
23
34
45

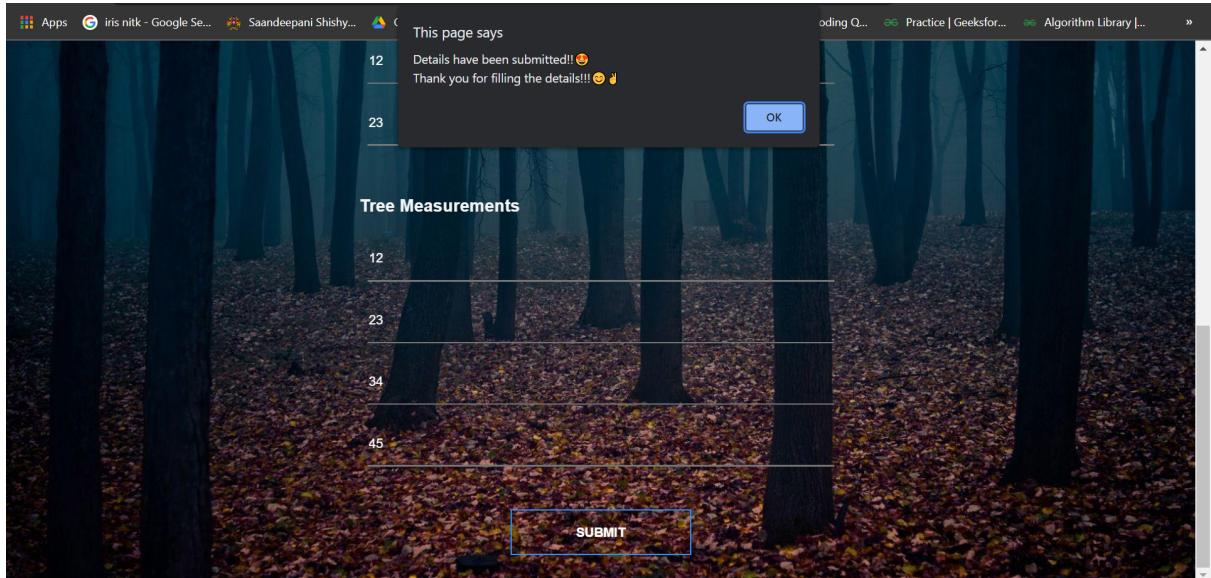
SUBMIT



If the user clicks on the **CANCEL** button then he will be asked to edit the details.



If the user clicks on the **OK** button then details will be submitted with alert messages which tells details have been submitted successfully.



● Novelty :-

1. Validation is done.
2. For Date and Time users were given a calendar and watch-like options to select them.
3. Editing option is given.

● Conclusion :-

From this we can compare between the first user interface and second user interface that in the first UI validation will happen but there is no option for editing the details.But,in the second UI user will be given a chance to edit the details he/she entered.Second UI is quite dynamic in nature compared to first UI.Because the input fields will display dynamically.