NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA

SURATHKAL DEPARTMENT OF INFORMATION

TECHNOLOGY

IT351 - Human-Computer Interaction

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OBJECTIVE -

1)User interface for forest tree census(web app and android app)

2)Analyse on the two interfaces

3)Evaluate the time efficiency of the two interfaces with expert users

HCI GUIDELINES -

1)Users need to be able to do the same thing the same way that they have been doing

2)Wide range of the user-design process considered for all types of user

3)Control is given to the user

4)Every error prevention should be done

5)Device isFlexible and efficient to use

6)Relevancy, simplicity, minimum amount of labels and uncluttered graphics are given.

7)Users can easily recognize options in the system rather than recall them.

8)User control and freedom.

9) Support undo and redo operations

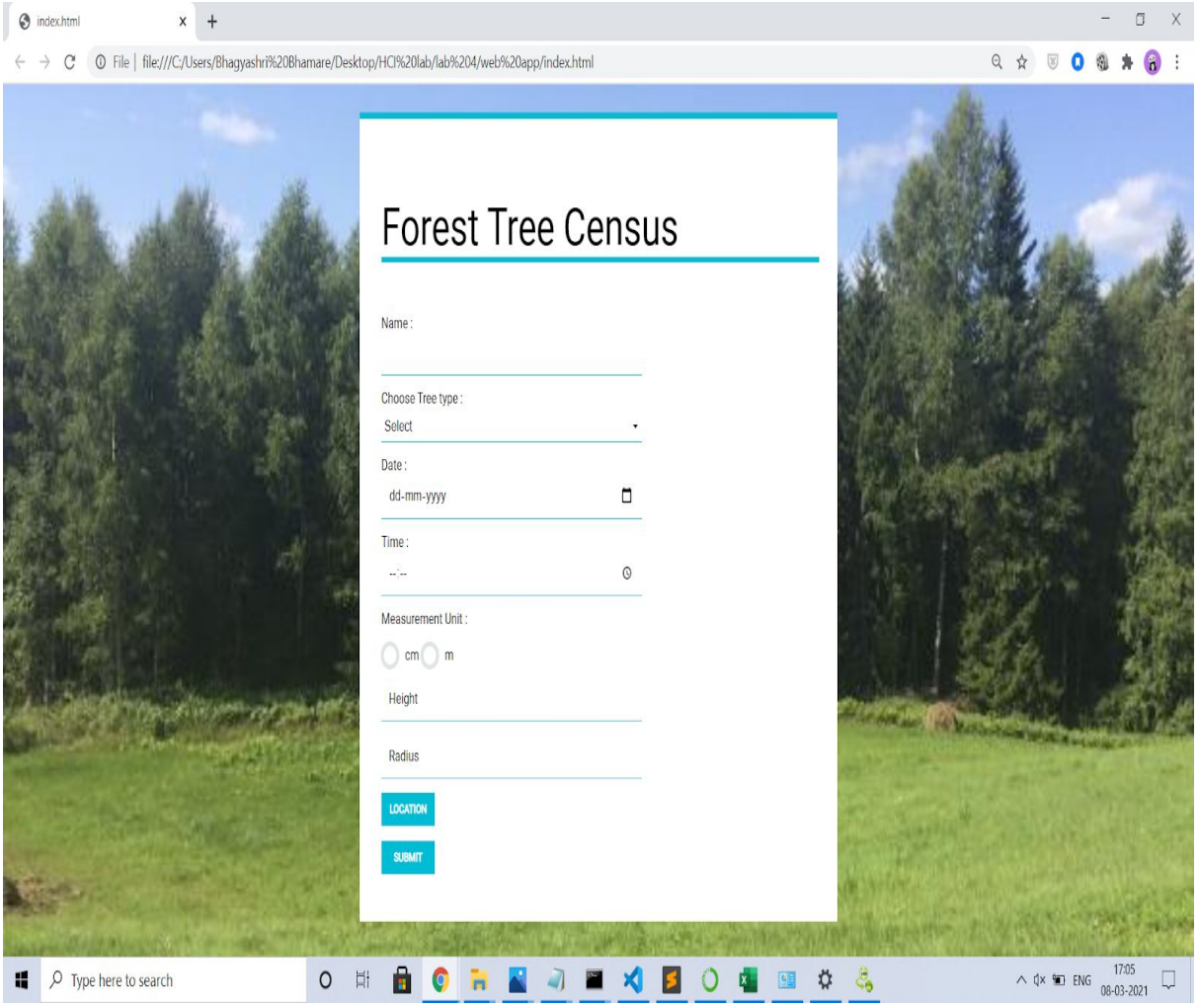
10)Overall, the interface is very simple and easy to use**.**

Screenshots:

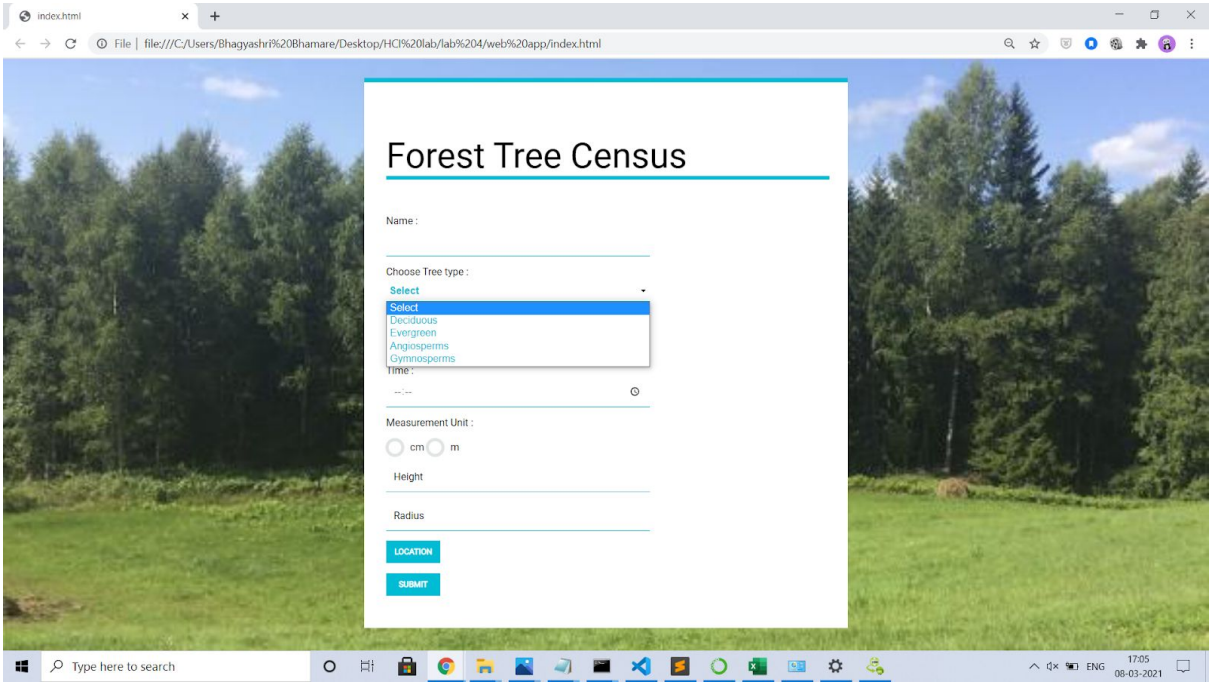
Web app

1) User interface

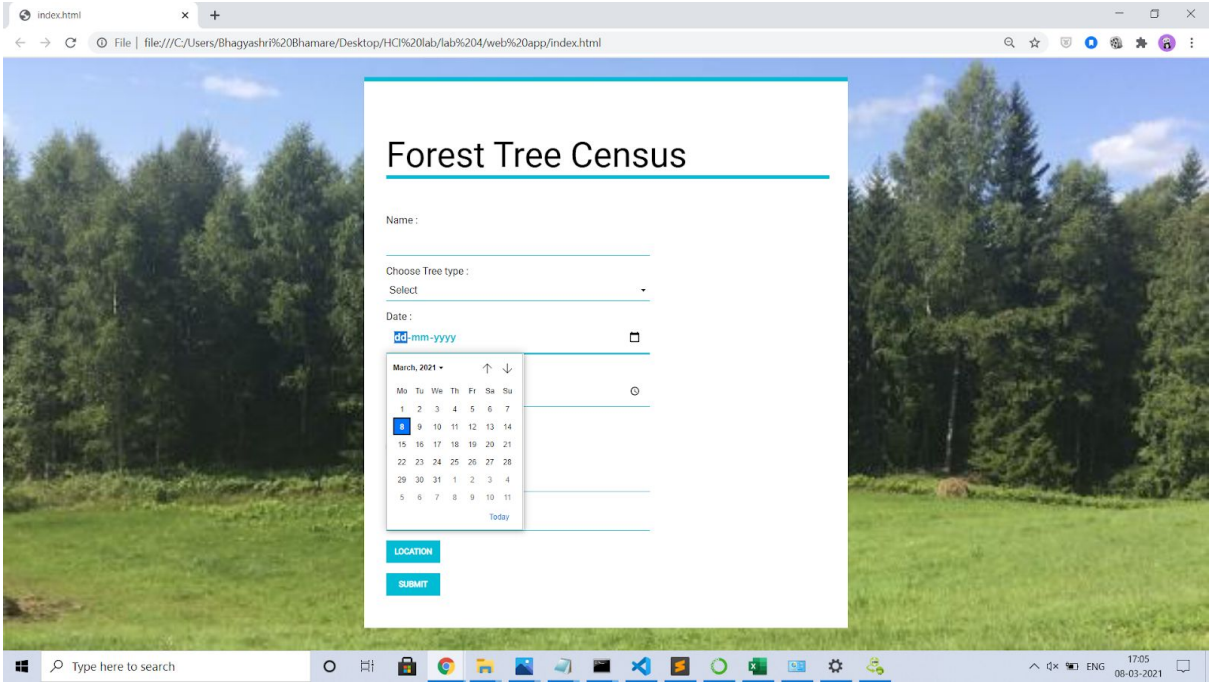
Text box is created for user



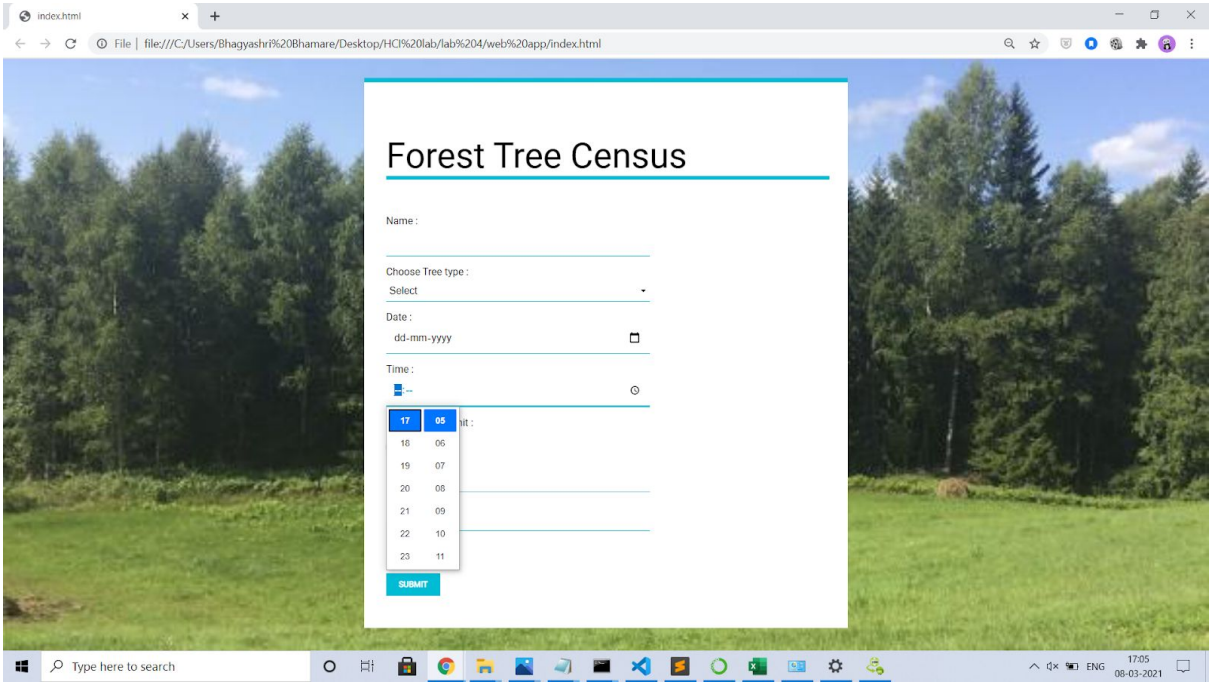
2)Tree Type(Options are given to user)



3) Date selection for user

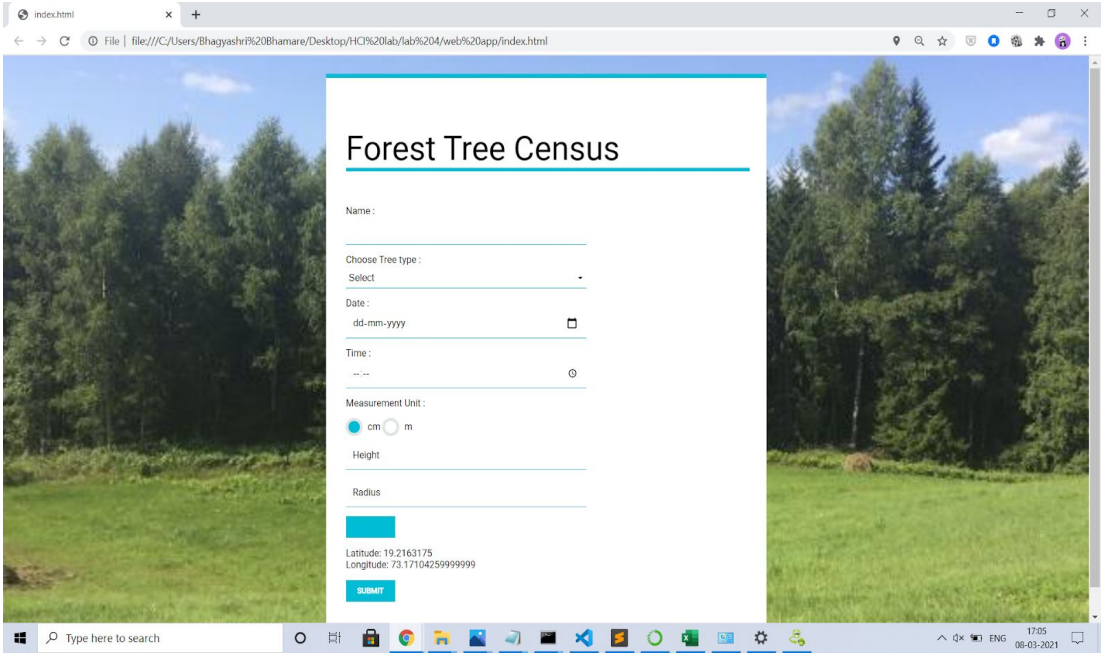


4)Time selection for user



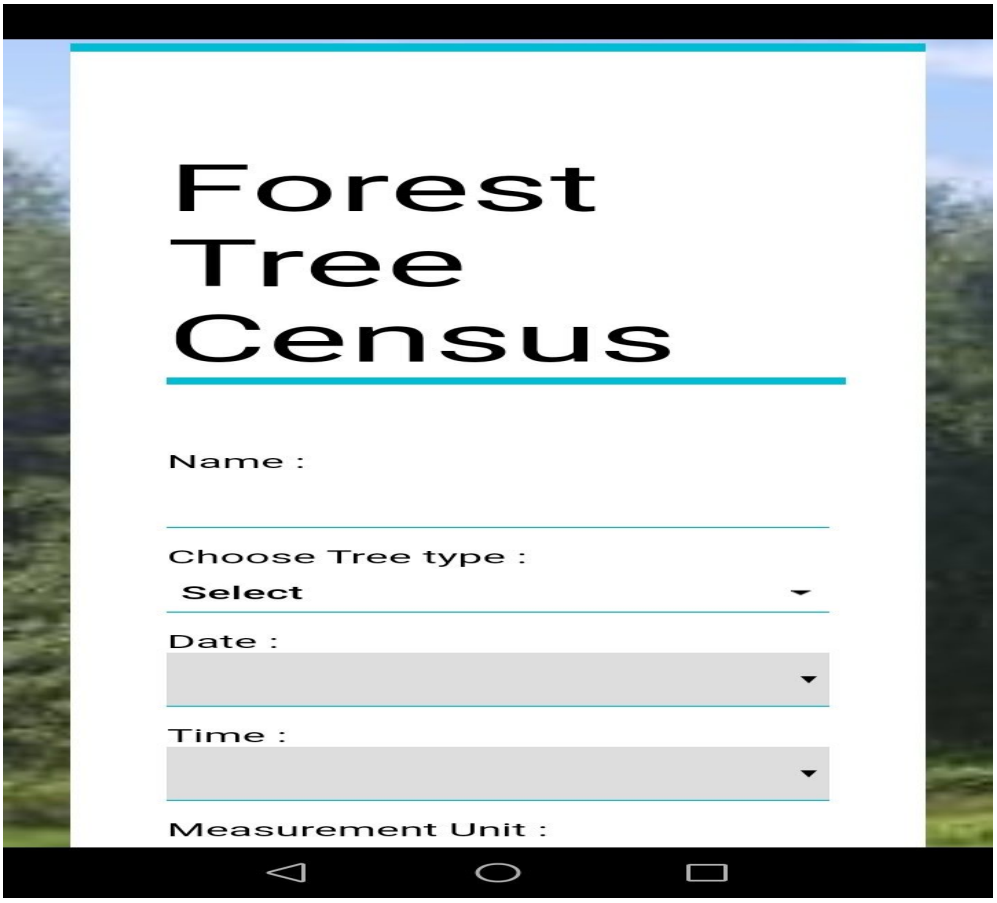
5) Location

After clicking on location button location will be displayed

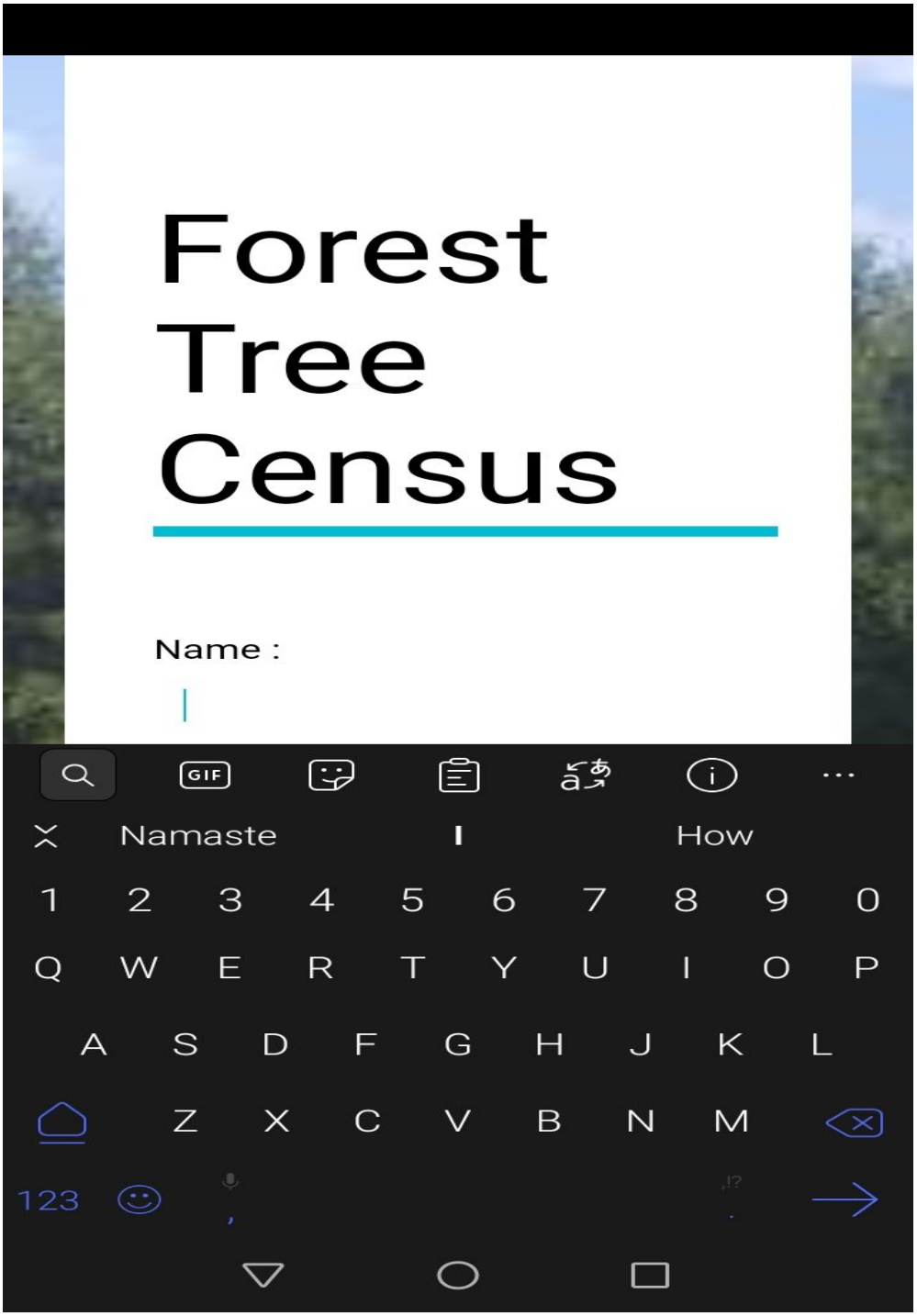


Android app

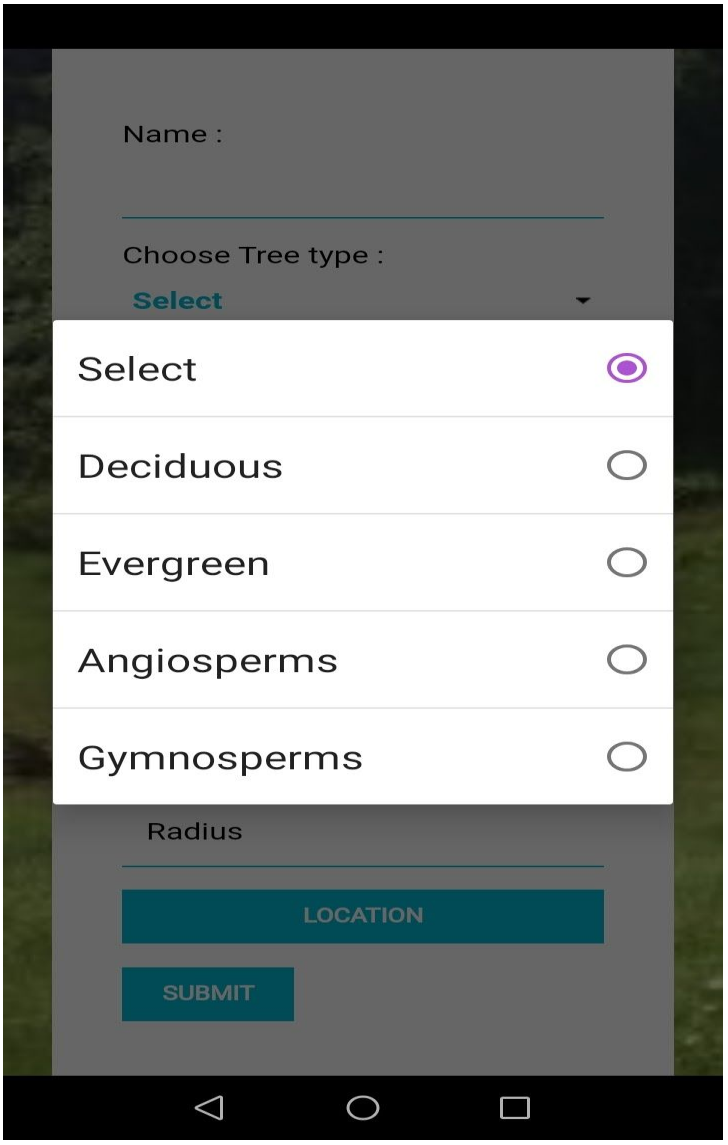
1)User interface



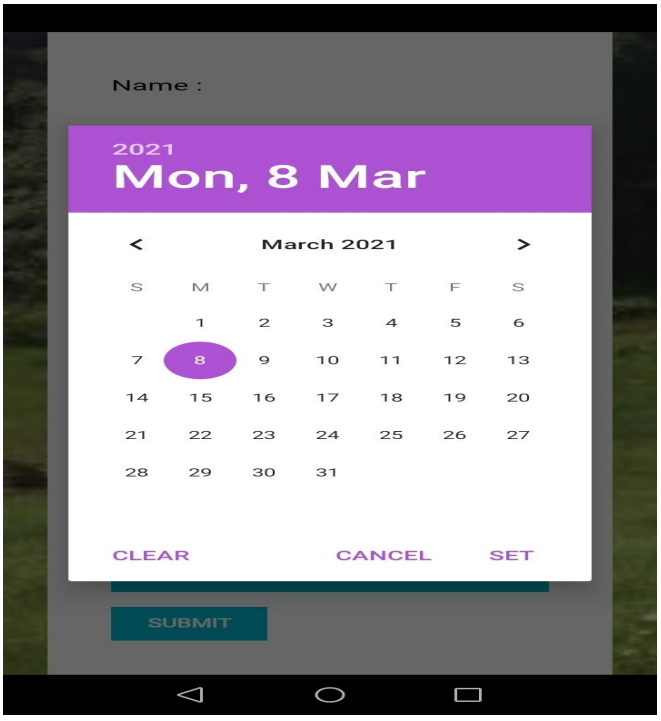
2)Name of the tree in text form



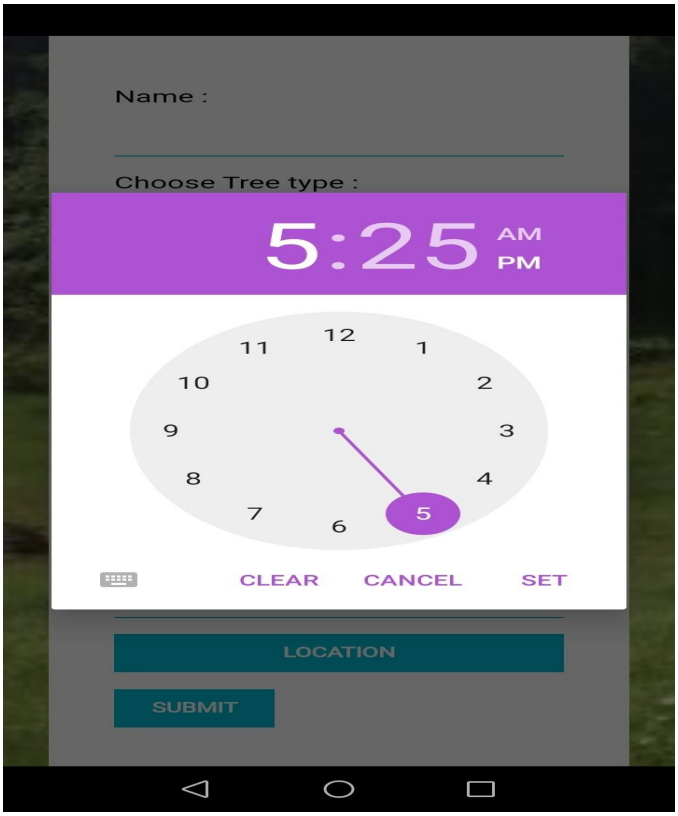
3)Options given to the user to select tree type



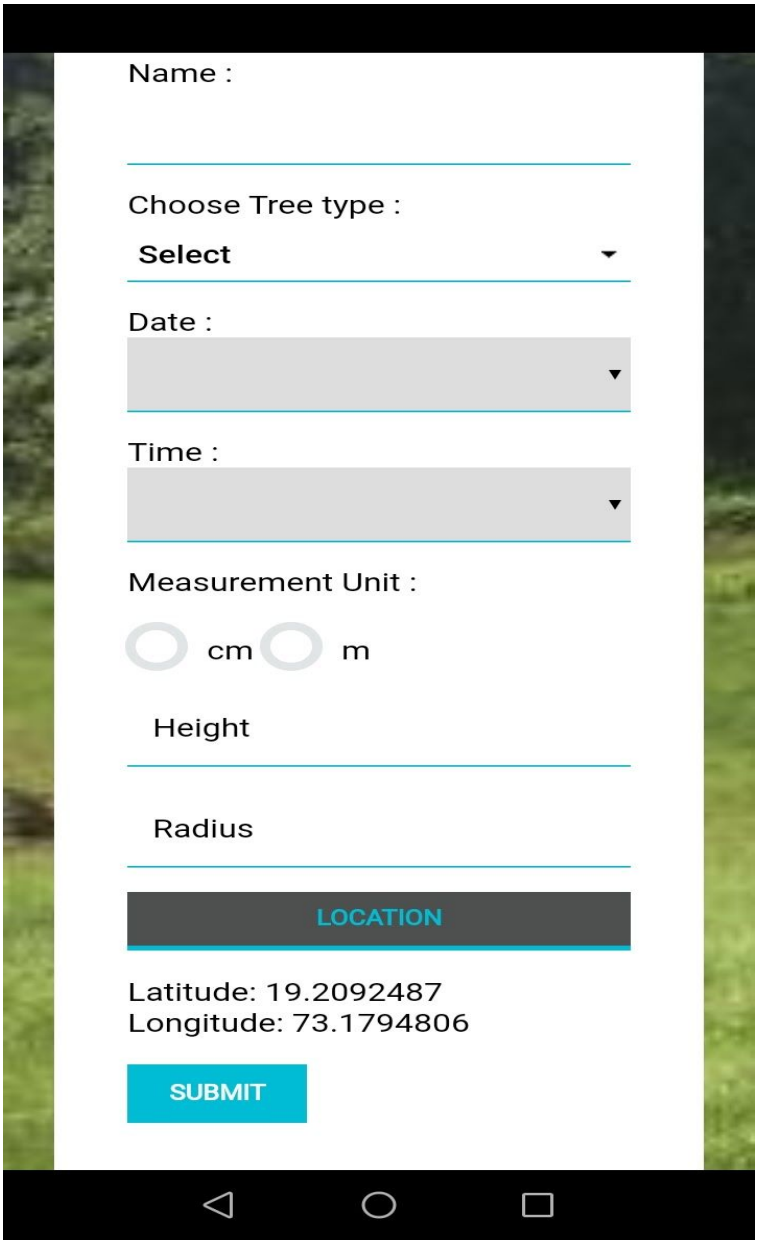
4) Date selection given to the user



5)Time selection is given the user



6)After clicking on location -location of the current place will be displayed



User analysation between web application and Android application

Web application	Android application
1)Application is big some application like time are difficult to use	1)Application is small but easy to use
2)Both application have same functionality but undo redo options are difficult	2)Undo redo options are easy
3)Scrolling is not required	3)Scrolling is required
4)Average experience for user	4)Best experience for user
5)User are taking more time to filled the data	5)User are taking less time to filled the data

Time Evaluation-

Time evaluation of web app and android app from 5 different participants