IT351 – Human Computer Interaction

Assignment 5 – Forest Tree Census

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Two interfaces was designed and created for entering field observation data for forest tree census. The user has to enter the tree ID, tree name, tree type, date and time of observation, tree length, tree girth and GPS location i.e. latitude and longitude. The interface follows Fitts's Law by keeping the input field near the unit selection to reduce the time the user takes to move his cursor. The interface also follows the Hick Hymans law by keeping an optimal number of choices for the user.

Forest Tree Census Application

UI CASE 1

UI CASE 2

Enter forest field data

Enter Tree ID	Enter Tree Name	Enter Tree Type
Enter Tree Length	Enter Tree Girth	dd/mm/yyyy, --:--
Enter GPS Latitude	Enter GPS Longitude	Submit

Enter forest field data

Tree ID: [Enter Tree ID]

Tree Name: [Enter Tree Name]

Choose a tree type: [Oak ▾]

Tree Measurement Length (m): [Enter Tree Length]

Tree Measurement Girth (m): [Enter Tree Girth]

Observation Date and Time: [dd/mm/yyyy, --:-- 📅]

GPS Latitude: [Enter GPS Latitude]

GPS Longitude: [Enter GPS Longitude]

[Submit]

Recorded Values

Tree Name: Loial

Tree ID: 1234

Tree Type: Oak Trees

Tree Length: 10

Tree Girth: 2

Observation date and time: 1/17/2022, 8:18:00 PM

GPS Latitude: 10.0121

GPS Longitude: 10.1021