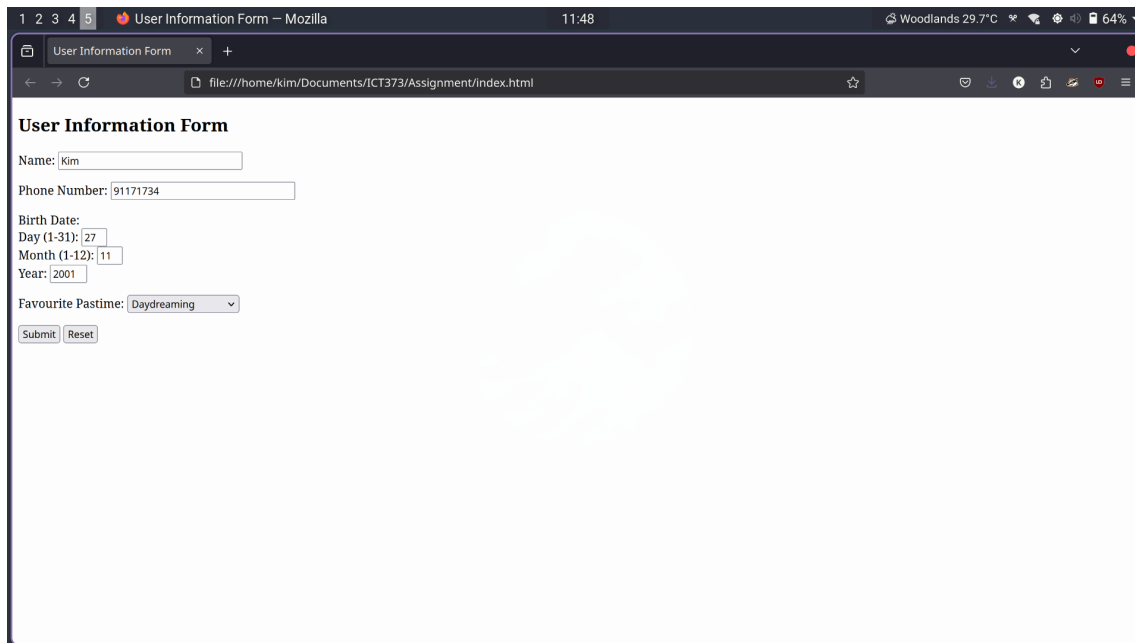


(a.) Question 1 requires us to use javascript and HTML to make a web page to collect various information on a user. The data must be validated in order to be submitted.

(b.) The two key component I used to come up with a solution is HTML Form and Javascript Validation. The HTML Form is the frontend while the Javascript runs in the background, doing all the necessary checks.

Testing:

Idle

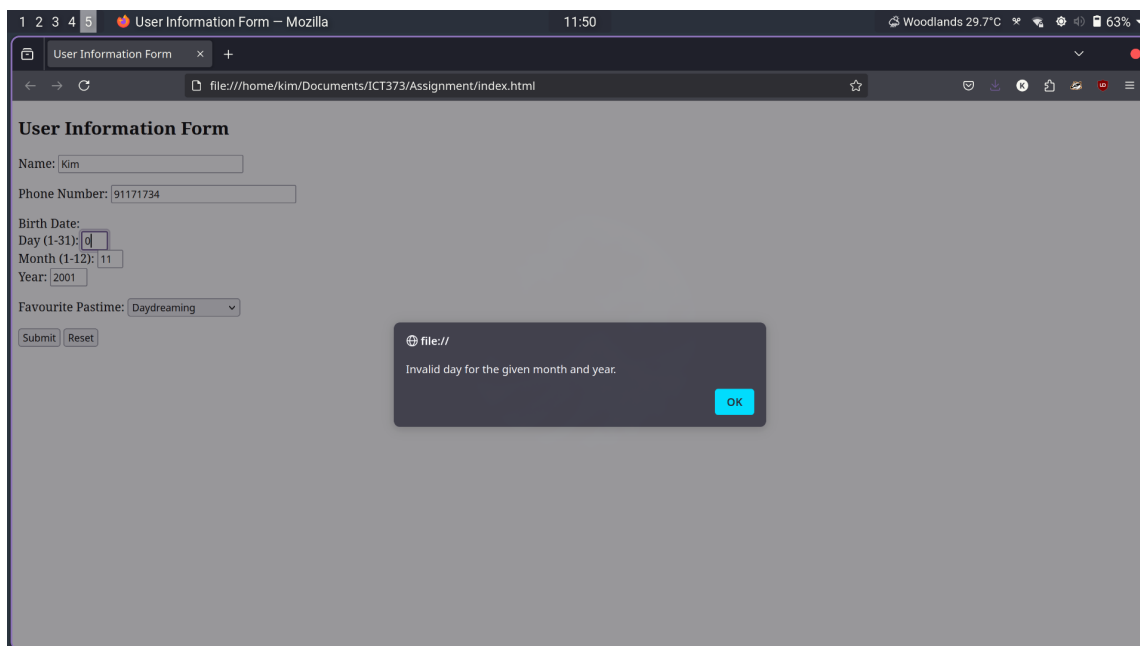


The screenshot shows a web browser window titled 'User Information Form - Mozilla'. The address bar shows the file path 'file:///home/kim/Documents/ICT373/Assignment/index.html'. The form is titled 'User Information Form' and contains the following fields:

- Name:
- Phone Number:
- Birth Date:
 - Day (1-31):
 - Month (1-12):
 - Year:
- Favourite Pastime:

At the bottom of the form are two buttons: 'Submit' and 'Reset'.

Out of bound day validation:



The screenshot shows the same web browser window as before, but with an error message displayed in a modal dialog box. The error message is:

file:/// Invalid day for the given month and year. OK

The form fields are the same as in the previous screenshot, but the 'Day (1-31)' field now contains the value '0', which is invalid for the given month and year.

Form Submitted:

