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#!/usr/bin/perl
use CGI;
CGI::ReadParse();

print "Content-type: text/html\n\n";

$the_date=localtime(time);
print "Today's Date: $the_date<hr>";
($sec,$min,$hour,$mday,$mon,$year,$wday,$yday,$isdst)=localtime(time);

#Constants
$valid_month=$mon+2;
if ( $valid_month == 13 )
{
    $valid_month = 1;
}
$MaxPeople=60;
$MinPeople=15;
$sc=":";
$database_file="/home/public/greenstock.dat";

# Values from the input form
$bdate=$in{ _bdate };
$cname=$in{ _cname };
$cemail=$in{ _cemail };
$adults=$in{ _nadult };
$kids=$in{ _nchild };
$soaps=$in{ _noap };
$snvs=$in{ _nspecial };

# Store fees for later
$adult_fee = 3;
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$schild_fee = 1;
$soap_fee = 1.75;
$snv_fee = 1.75;

# Set sanity semaphore to 1; redundant with the use of the die() function
$sane=1;
if ( $cname eq "" )
{
    print "<p><font color=\"#ff0000\">Missing applicant name.</font>";
    &back;
}
else
{
    print "<p>Name: $cname\n";
}

# Make sure there is an email address with an '@' symbol and at least one '.'
if ( ($cemail eq "") || (($cemail =~ tr/@//) != 1) || (($cemail =~ tr/./) < 1) || (($cemail
=~ tr/ //) > 0) )
{
    print "<br /><font color=\"#ff0000\">Error in email address</font>";
    &back;
}
else
{
    print "<br />eMail: $cemail\n";
}

($the_day,$the_month,$the_year) = split('/', $bdate);

if ( $the_month != $valid_month )
{
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    print "<br /><font color=\"#ff0000\">You can only book for the next month.</font>";
    &back;
}
else
{
    print "<br />Booking Month: $the_month\n";
}

if ( ($adults <0) || ($kids<0) || ($soaps<0) || ($snvs<0) )
{
    print "<br /><font color=\"#ff0000\">Negative numbers of people are not allowed!</font>";
    &back;
}

$total=($adults+$kids+$soaps+$snvs);
$able_bodied=($total-$snvs);
#print "[$able_bodied]";
# This line used to show SNV to HEALTHY ratio
if ($snvs != 0) # Check for division by 0
{
    $snvs_ratio = $total / $snvs;
}

if ( $total == 0 )
{
    print "<br /><font color=\"#ff0000\">No people listed on the form.</font>";
    &back;
}
else
{
    # Check if there are kids only being booked
    if ( ($kids > 0) && ($adults <=0) && ($soaps <=0) && ($snvs <= 0) )

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    {
        print "<br /><font color=\"#ff0000\">A visit of unattended children is not
permitted.</font>";
        &back;
    }
    # Ensure there's approximately 1 adult for each 5 Special Needs Visitors
    elseif ( ($snvs != 0) && ($snvs_ratio < 1.171) )
    {
        print "<br /><font color=\"#ff0000\">An approximate ratio of 1:5 bewteen other visitors
and Special Needs Visitors must be observed.</font>";
        &back;
    }
    elseif ($total > $MaxPeople)
    {
        print "<br /><font color=\"#ff0000\">No more than $MaxPeople people may be pre-
booked.</font>";
        &back;
    }
    elseif ($total < $MinPeople)
    {
        print "<br /><font color=\"#ff0000\">No less than $MinPeople people may be pre-
booked.</font>";
        &back;
    }
    else
    {
        print "<br />Total visitors: $total<p><hr>";
        $total_fee = ($adults * $adult_fee) + ($kids * $child_fee) + ($soaps * $soap_fee) + ($snvs
* $snv_fee);
        printf "<br />You have booked $adults adult(s) (%3.2f each), $kids children (%3.2f
each), $soaps OAP(s) (%3.2f each) and $snvs Special Needs Visitor(s) (%3.2f). ", $adult_fee,
$child_fee, $soap_fee, $snv_fee;
    }
}

```