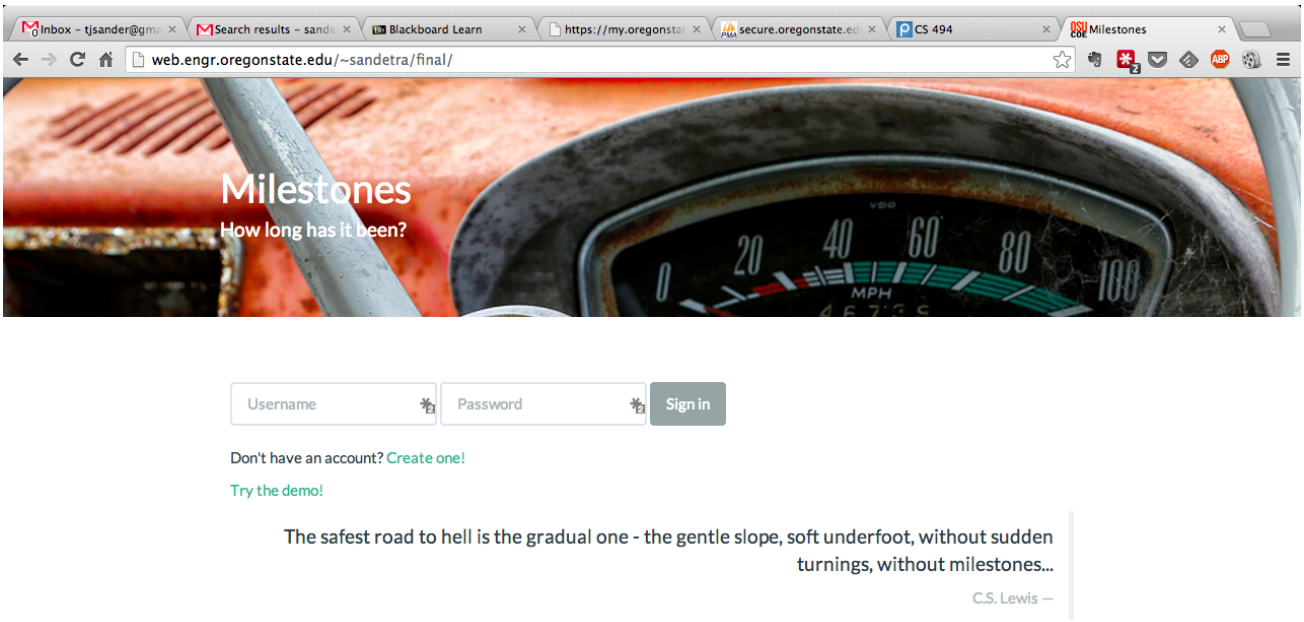
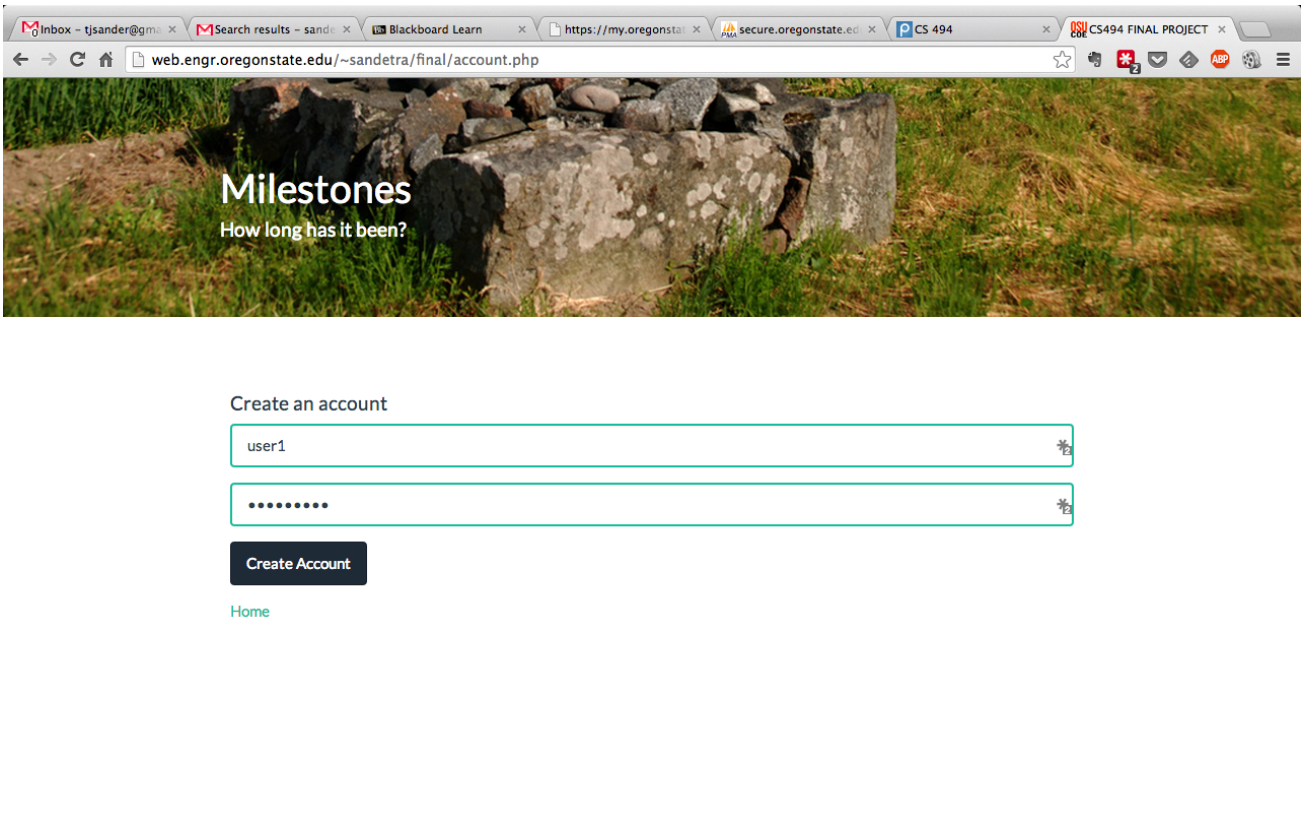
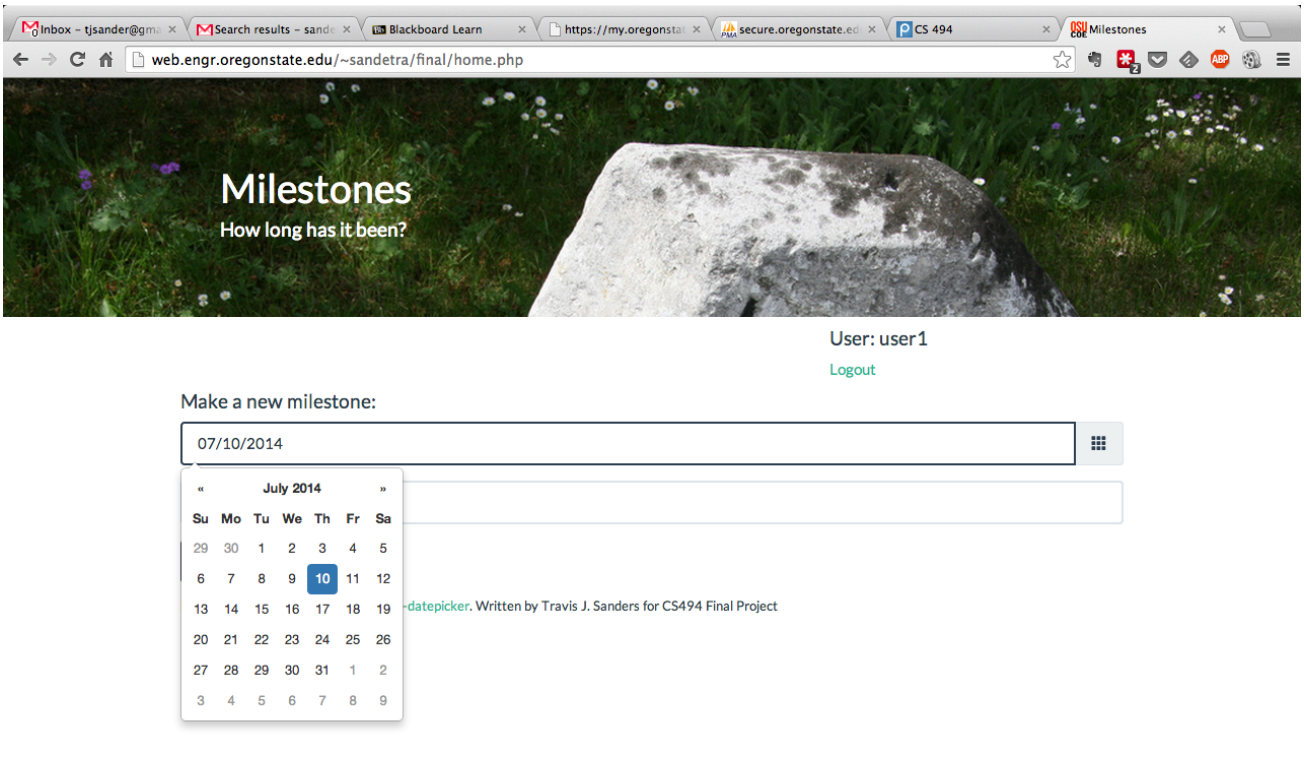
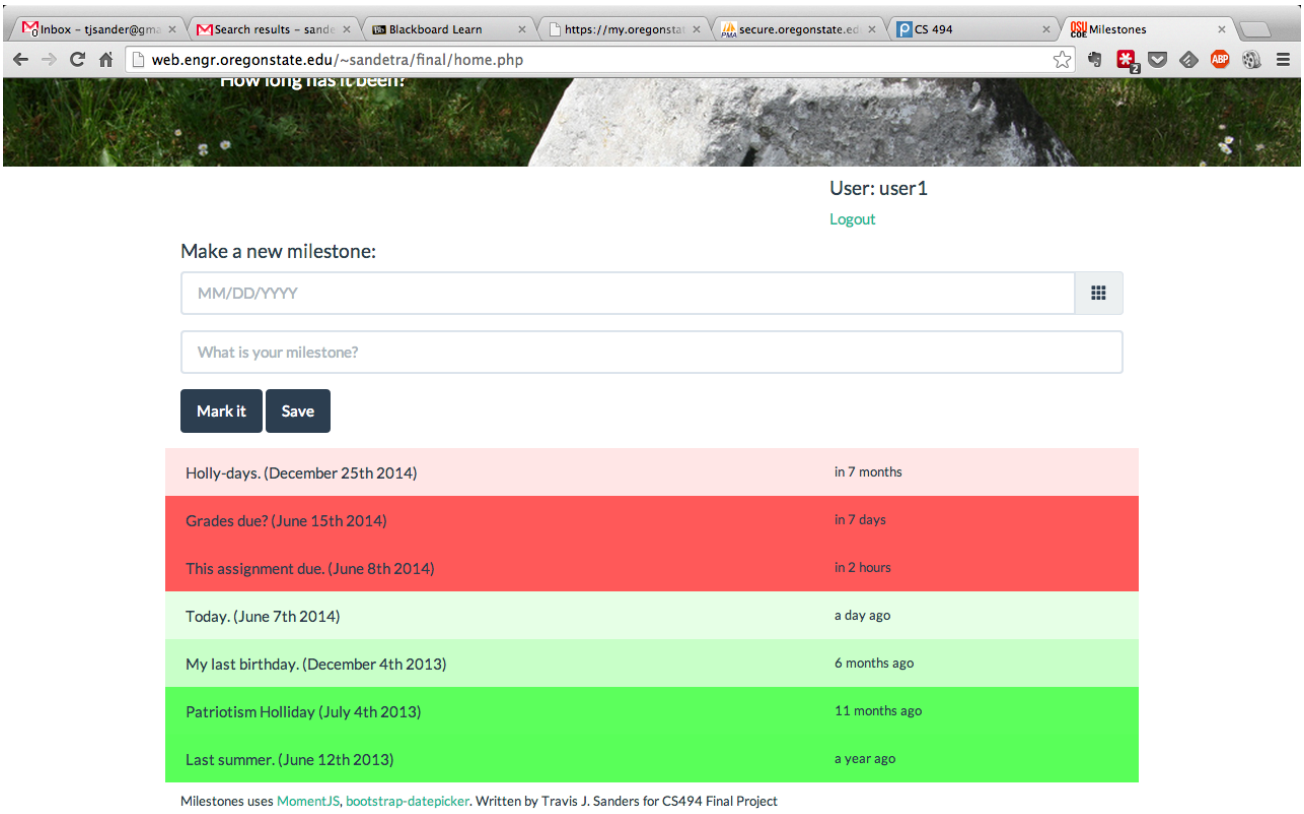

Milestones
How long has it been?
Username
Password
Sign in
Don't have an account? Create one!
Try the demo!
The safest road to hell is the gradual one - the gentle slope, soft underfoot, without sudden turnings, without milestones...
C.S. Lewis —


Milestones
How long has it been?
Create an account
user1
Create Account
Home


Milestones
How long has it been?
User: user1
Logout
Make a new milestone:
07/10/2014
July 2014
Su Mo Tu We Th Fr Sa
29 30 1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31 1 2
3 4 5 6 7 8 9
-datepicker. Written by Travis J. Sanders for CS494 Final Project


User: user1
Logout
Make a new milestone:
MM/DD/YYYY
What is your milestone?
Mark it
Save
Holly-days. (December 25th 2014)
in 7 months
Grades due? (June 15th 2014)
in 7 days
This assignment due. (June 8th 2014)
in 2 hours
Today. (June 7th 2014)
a day ago
My last birthday. (December 4th 2013)
6 months ago
Patriotism Holliday (July 4th 2013)
11 months ago
Last summer. (June 12th 2013)
a year ago
Milestones uses MomentJS, bootstrap-datepicker. Written by Travis J. Sanders for CS494 Final Project

Login button function from index.php:

```
$('#sub1').on('click', function() {
  $.ajax({
    type: "POST",
    url: "validate.php",
    data: {userIn: $('#userIn').val(),
    passwordIn: $('#passwordIn').val(),
  }
}).done(function(data, info){
  if(data == "SUCCESS") {
    window.location = "home.php";
  } else {
    $("#errorfield").empty();
    $("#errorfield").append(data);
    $('.emailgroup').removeClass("has-success");
    $('.emailgroup').addClass("has-error");
  }
}).fail(function(jqXHR, statusCode, errorThrown) {
  $("#errorfield").empty();
  $("#errorfield").append("The error message was: " + errorThrown + "");
  });
});
```

Project Description

I wanted to make a to-do application that focused on short-term goals for the present and long-term accomplishments in the past. I quit smoking a little over three years ago, and looking at the amount of time that's passed since my last cigarette really helped me early on in that process. So, as 'milestones' get closer to the present they become redder and as they get further away from the present, they become greener. I spent a ton of time on styling and learning more **Bootstrap** css tricks.

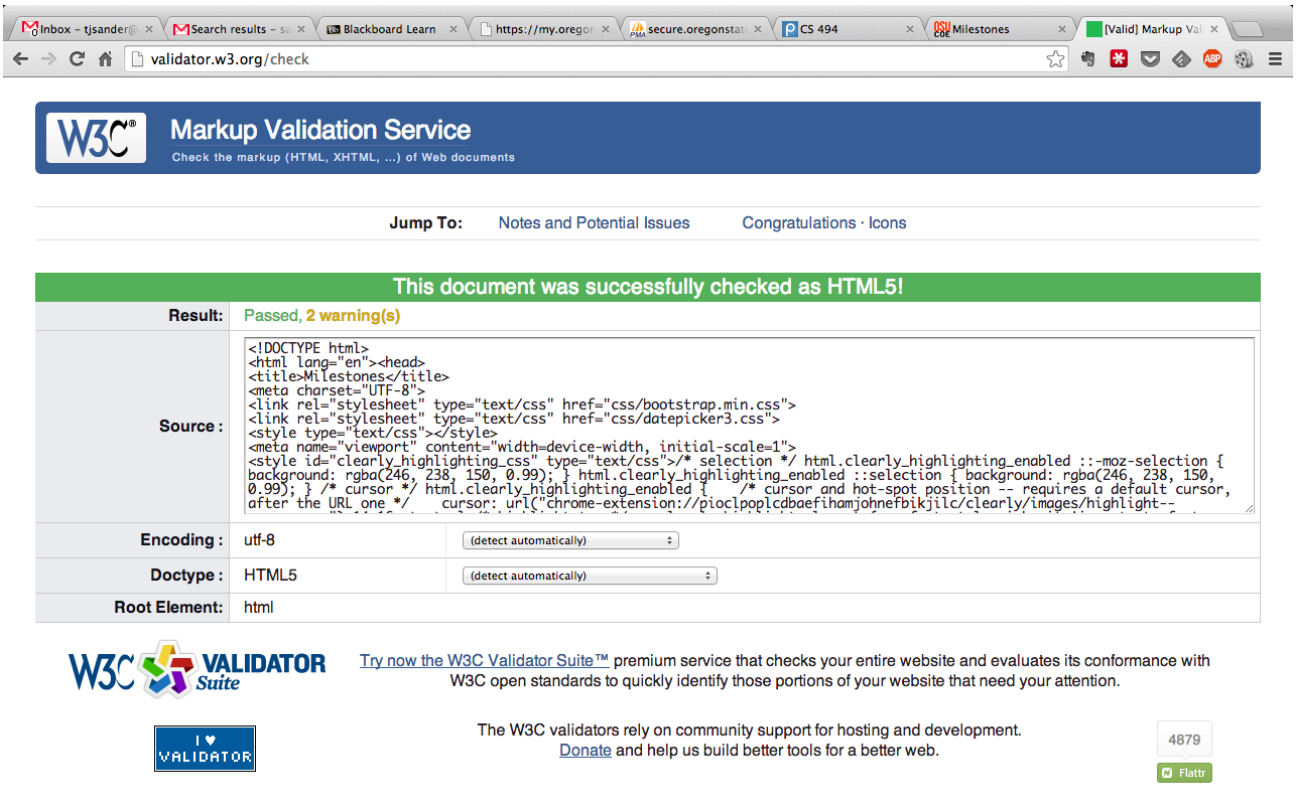
I used three libraries outside of the scope of the course. For starters, (like about half of the class), I used **PHPass** to hash and validate my passwords. I didn't feel entirely comfortable being able to see the passwords people were logging into my site with, final project or not. This was an interesting look into security. I thought that each password string would hash to the same hash string, but identical passwords have very different hashes.

To do the date comparison, I use a library called **MomentJS.** It's extremely simple to use. Calling the function moment() returns the current date and time in a JS object that can be compared to other moments, extended for any duration as a time span, outputted to any number of different date and time formats, and described in relation to the present in human-understandable language. There weren't any functions to represent time as a percentage, so I had to roll my own color gradients using the array of events min / max and the current moment() to calculate percentages. (I spent a lot of time on the colors.)

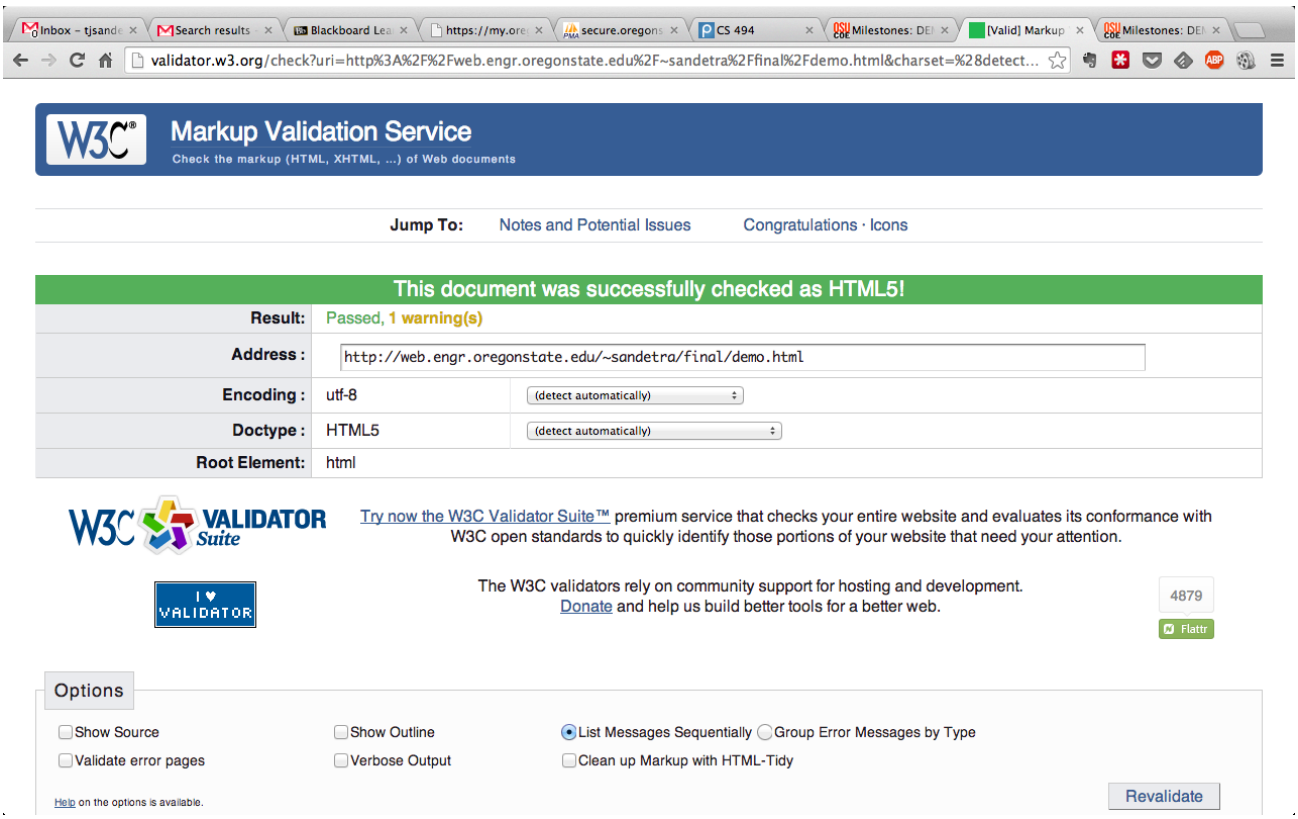
User input was a potential source of extremely huge headaches when it came to date validation, so I found another library to do it for me. **bootstrap-datepicker** required a bit more css and js installation than the other libraries, but it was well worth it. There's a nice visual interface to tap

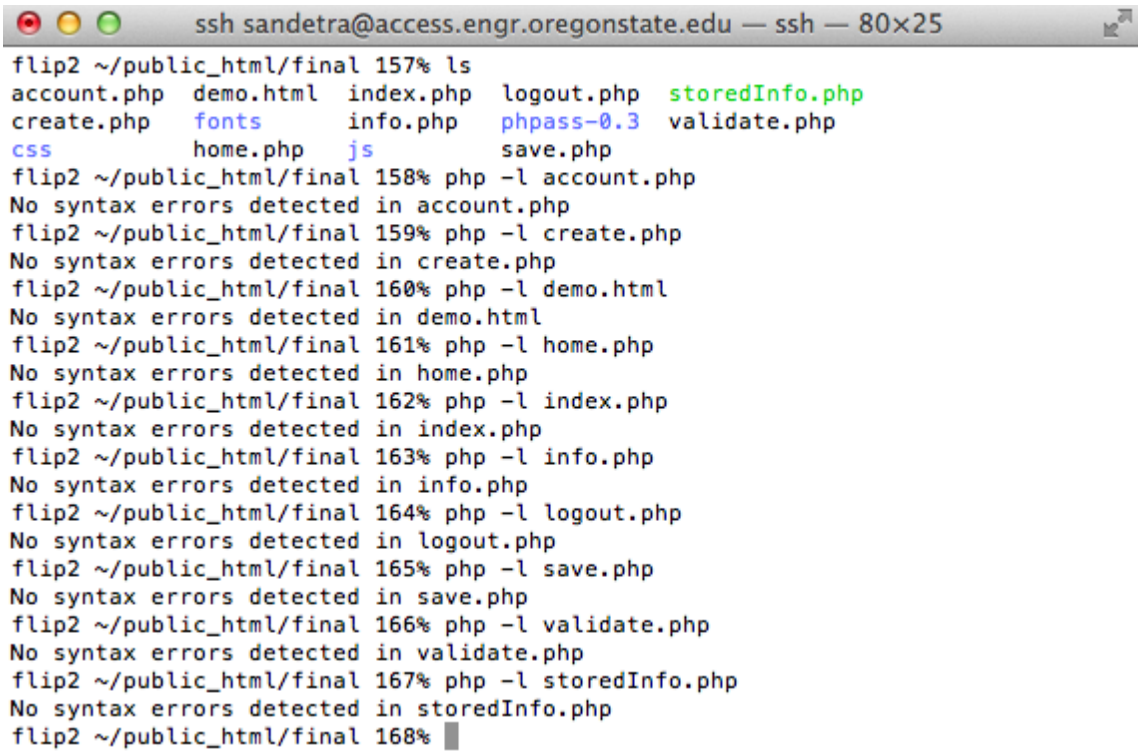
in dates, input as a string works extremely well, and it prevents the user from entering anything that isn't a valid date.

home.php validation (direct input)



Demo.html validation (demo.php is nearly identical to home.php but without redirects)



Additional logins for testing:

user1	password1
user2	password2
user3	password3
...