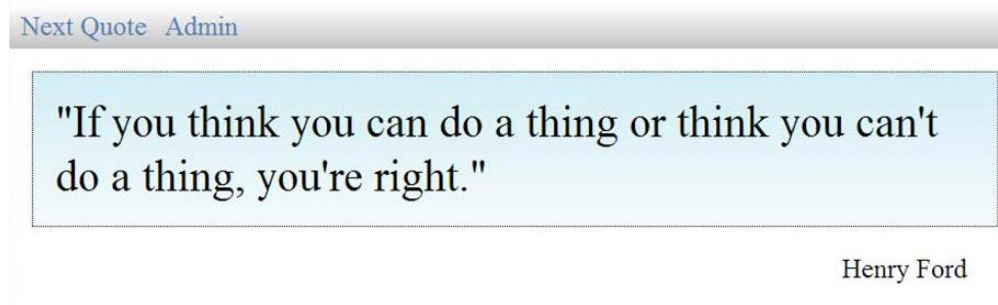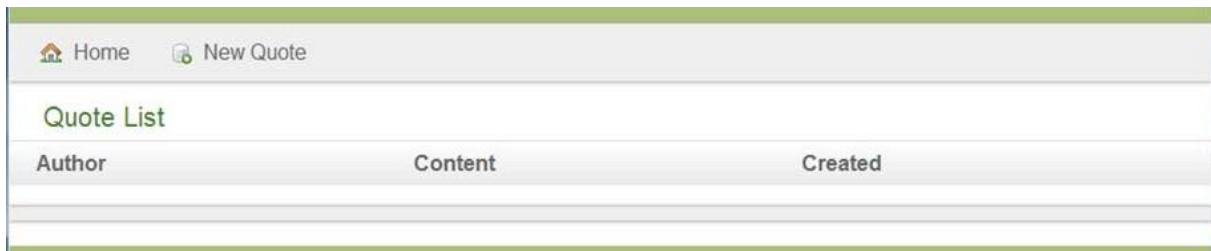In this part of the exam you will need to build something. You will first have to make a statement after two hours then you can continue working on your program(s) until next week on Saturday when this part is due. We will start from screen shots (these are views your customer is presenting as part of the specifications). You are to create a program that presents the following interface:

Next Quote Admin

"If you think you can do a thing or think you can't do a thing, you're right."
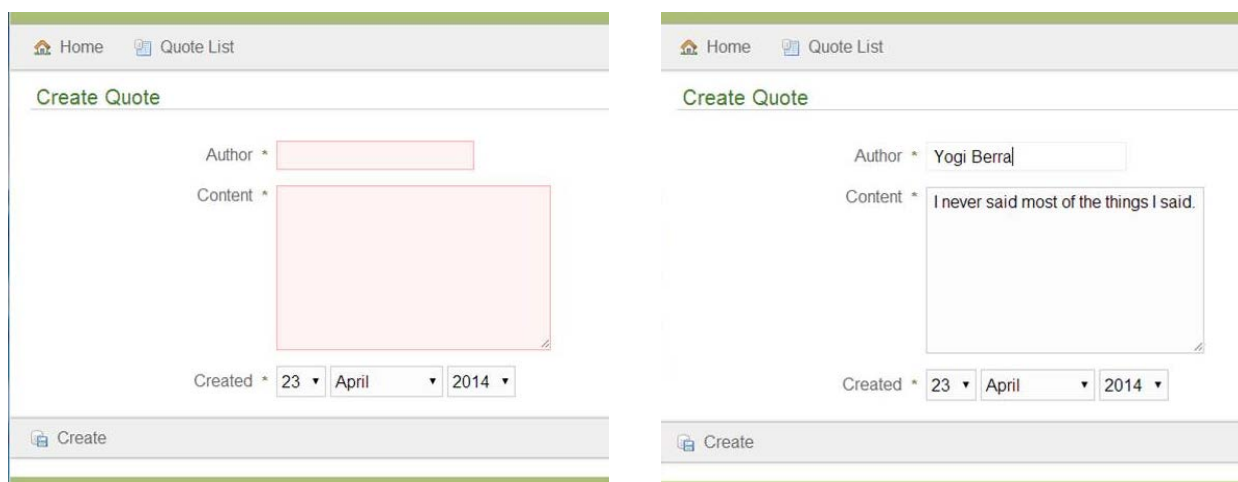
Henry Ford

The program is called Quote of the Day. It produces a quote randomly selected from a collection of quotes kept in a database table. If you press the "Next Quote" link shown in the interface that's what happens.

The second link takes you to the "admin" interface:

🏠 Home   📖 New Quote

Quote List

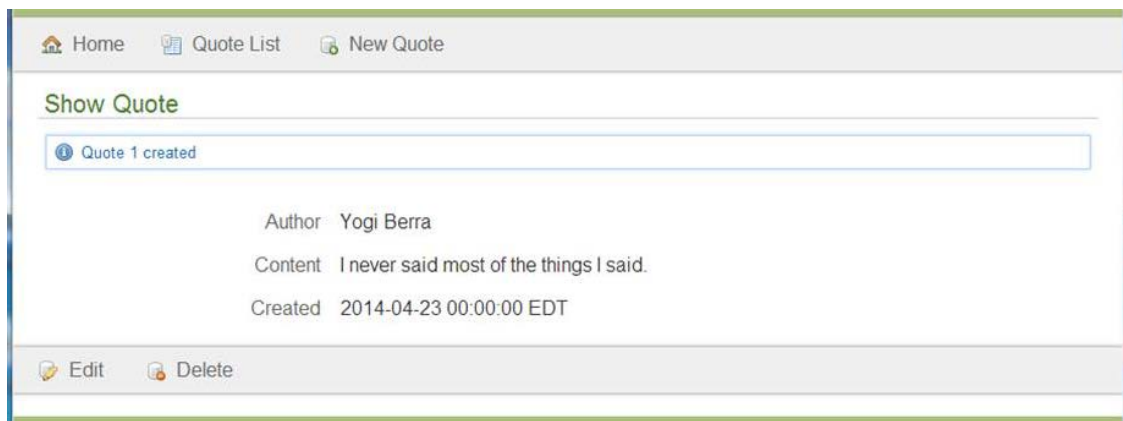| Author	Content	Created

This is the interface in the very beginning, if there are no quotes. In this interface if you press "New Quote" the interface changes to a screen in which you can enter quotes (shown on the right):

🏠 Home   📑 Quote List

Create Quote

Author * [   ]
Content * [   ]
Created * 23 ▾ April ▾ 2014 ▾

📄 Create

🏠 Home   📑 Quote List

Create Quote

Author * Yogi Berra
Content * I never said most of the things I said.
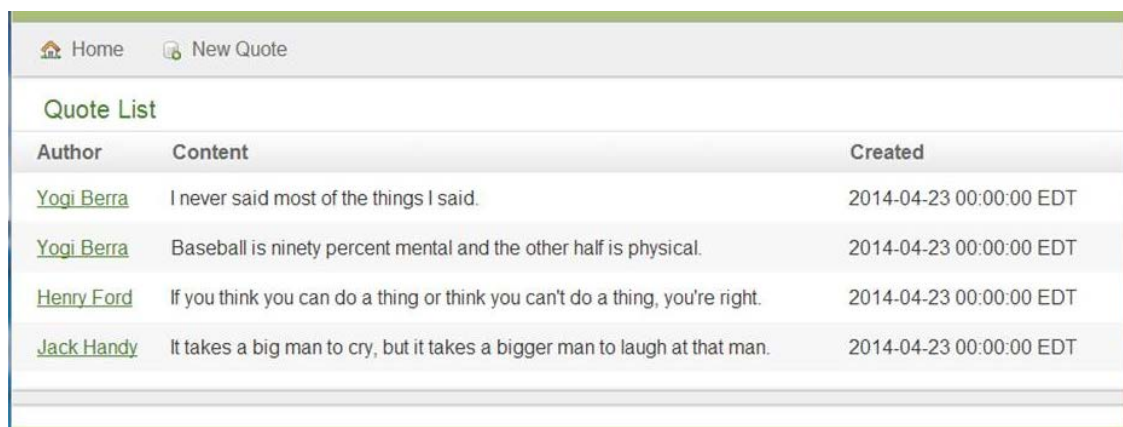Created * 23 ▾ April ▾ 2014 ▾

📄 Create

You do not need to make your application's screens match my screenshots exactly (e.g., the date is not necessary, can be automated); just make sure you have the same information and functionality in them.

Once you enter a quote (press Enter) a screen indicates that your addition to the database was successful:

Note the various buttons on this screen. After a few of these quotes have been entered the admin screen should look like this:

With this, I think the description of your application is complete[1][2]. Now I need to clarify what I need from you (a) today and in (b) a week. The second part is easier: in a week I need a working application (with links to source code in `protected` on your web site). Today I need a design from you, i.e., the following:

1. Structure of and SQL for the creation of your database.
2. Diagram of transitions between the screens.

In producing the diagram of transitions start by enumerating and naming the screens. Indicating clearly the information they depend on. Clarify how your program will pass this information from screen to screen. I need enough information from you today to determine that your implementation due next week did (or did not) follow your plan that you're stating with this exam. For this purpose try to at least determine a set of transitions that make sense and leave implementation details for after this lab. I expect you to write this in PHP with a MySQL backend because that's what the readings were about.

---

[1] The "Home" link takes you to the random quote screen I presented first.
[2] Note the "Edit" button that is present in various screens: it is tied to an individual quote. Pressing the link under the quote's author in the "Quote List" screen takes you back to that individual quote, in "Edit" mode.

Name/Username: _____