

Assignment 0

Due Date: February 14, 2022 at 7:30 PM

Overview

This assignment will be worth **5%** of your total grade. The goal is to ensure you understand more advanced HTML, CSS, HTTP, and basic JS.

Specifications

Jeff Bezos is seeing Microsoft's success with GitHub and is interested in making a competitor, BeeKeeper. You are assigned to the team that is working on the signup flow for new users. Please use your text editor of choice to create **beekeeper.html**, **beekeeper.css** and **beekeeper_completed.html**.

The second phase of the BeeKeeper project is to add some styling. This portion of the assignment must be done **only in CSS**. You must link your **beekeeper.html** file to **beekeeper.css**, as an external CSS. The third is to add some functionality to the page using some basic/vanilla JS.

beekeeper.html (HTML)

For beekeeper.html, you will need to:

- Create a "Sign Up" fieldset with:
 - A username textfield (**required**)
 - An email address textfield (**required**)
 - A birthday select list with: day, month, year (**all three are required**)
 - A password obscured textfield (**required**)
 - A password verify obscured textfield (**required**)
 - Radio buttons with the values: "Personal", "Business", "Enterprise", and "Other" with "Personal" initially selected
- A "Pricing" fieldset that contains a 4x4 table (including the table headers):
 - Row 1: There will be four table heading fields: "" (aka blank), "Personal (1-3 users)", "Business (4-20 users)", and "Enterprise (21+ users)"
 - Row 2: "1 Repo", "free", "\$ 12 repo/month", "Contact Sales"

- Row 3: “2-9 Repos”, “\$ 8 repo/month”, “\$ 10 repo/month”, “Contact Sales”
- Row 4: “10+ Repos”, “\$6 repo/month”, “\$ 8 repo/month”, “Contact Sales”
- You’ll notice (r2,c4), (r3,c4), (r4,c4) all have “Contact Sales”. Make is so it only says “Contact Sales” once for column 4 across rows 2-4 (HINT: look at rowspan and colspan)
- Caption the table saying “Personal accounts allow only 1 private repo, please visit our main site for more information” and the words “main site” is a link that takes users to amazon.com if clicked.
- A single submit button that performs a GET request onsubmit to **beekeeper_completed.html**. Please note if this path is hardcoded with an absolute, i.e. /Users/yourname/Desktop/assignments/beekeeper_completed.html it will not work when used on another machine. Please ensure this is a relative path i.e. just using “beekeeper_completed.html” as long as it is in the same folder as beekeeper.html, otherwise points will be deducted.

beekeeper.css (CSS)

For beekeeper.css, you need to:

- Add CSS to the pricing table
 - Bold all table header elements
 - Make the width of the table 75%
 - Add a 1px solid black border
 - Make each cell a height of 50px.
 - Make the table header elements have a height of 65px.
- Add a picture of BeeKeeper (this can be any photo you choose online, just be sure there is a comment in your CSS sourcing it).
- Change the “Welcome to BeeKeeper” header to the Amazon orange (see below for exact color).
- If a user hovers over any link in the page (this should only be the “see more” link in the table caption), it should turn Amazon’s orange color.

beekeeper.html (JS)

For the JavaScript portion of beekeeper.html, you need to:

- You must verify that the password fields match.
 - If the password fields match, allow the user to continue to beekeeper_completed.html

- If the password fields do not match, create an alert saying “ensure passwords match” and **do not** allow the user to continue to `beekeeper_completed.html`
- There are a few ‘sacred’ usernames that Jeff Bezos would like to reserve for his family and close friends. You must recognize if a user types a sacred username when it is typed into the username textfield (with no buttons being pressed other than the typing keystrokes - think of a Google Search). Those usernames are (remember usernames are case insensitive):
 - jBillz
 - PineapplesBelongOnPizza
 - TheRock
 - ZachKing (Bezos loves TikTok)
 - Rihanna
 - Microsoft
 - ActionJackson

If a user tries to create an account with any of these usernames, create an alert saying “Bezos reserved this username”

- A username must be at least 8 characters but not more than 25 characters.
 - If a username is less than 8 characters when the user tries to submit, create an alert saying “username must be at least 8 characters long”
 - If a username is more than 25 characters when the user tries to submit, create an alert saying “username must be at less than 26 characters long”

beekeeper_completed.html (JS)

For this `beekeeper_completed.html`, you need to:

- When the submit button is pressed, display “Hello: ” followed by the username entered on the previous screen. You must also show the account information formatted in a table with the name of the field and the entered value.

Notes

Amazon’s color scheme:

- HEX: #FF9900
- RGB: 255, 153, 0

- Look at keyboard events to help with calling a function every time a user presses a key: W3 Schools
- As a recommendation, use location.search instead of the form[x] method to send data from one .html to another.
- Formatting a table hint

Username must be at least 8 characters long! Try again.

OK

Sign Up Below

Username

jal

Email Address

jal@test.edu

Birthday

01/01/0999

Password

....

Verify Password

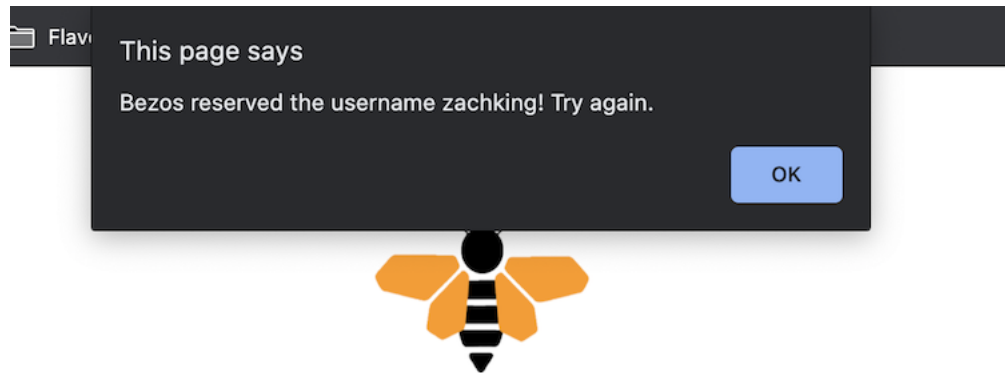
....

Desired Account Type

☒ Personal ☐ Business ☐ Enterprise ☐ Other

Personal accounts allow only 1 private repo, please visit our [main site](#) for more informaiton.

Example username not being long enough



Sign Up Below

Username

Example of a reserved username that is taken while being typed

Ensure passwords match! Try again.

OK

Sign Up Below

Username	<input type="text" value="jaltestaccount"/>
Email Address	<input type="text" value="jal@test.edu"/>
Birthday	<input type="text" value="01/01/0999"/>
Password	<input type="password" value="....."/>
Verify Password	<input type="password" value="...."/>

Desired Account Type ☒ Personal ☐ Business ☐ Enterprise ☐ Other

Personal accounts allow only 1 private repo. please visit our [main site](#) for more information.
Example of passwords not matching

Welcome to BeeKeeper!



Hello, jal_test_account

Your account information is in the table below.

Username	Email Address	Birthday	Password	Account Type
jal_test_account	jal@test.edu	1999-01-01	test	Personal

Example when the submit button is pressed and the user is taken to bee-keeper_completed.html

Submission

Please submit the following on Blackboard:

- beekeeper.html
- beekeeper_completed.html
- beekeeper.css