**Use your textbook, notes, and the internet to complete the following test in 4 hours or less.**

**All code submitted must be your original work. Code must be uploaded to GitHub in a folder named JS\_HOT5 for grading.**

***See screen mockups below.***

Use the **const** keyword to define variables wherever possible. (Otherwise use the **let** keyword.)

Each item must be accurately completed using jQuery to receive credit for that item.

1. Create three pages as shown in the mockups
   1. Login page \_\_\_\_\_ / 10pts
      1. Use an <h1> tag for the header
      2. Use <form>, <fieldset>, <label>, <input>, and <button> tags to create the login form
      3. Use <div> tags to create placeholders for the error messages
      4. The form should take the user to the FAQ page when they successfully login with the provided username and password
   2. FAQ page \_\_\_\_\_ / 10pts
      1. Put the navbar inside a <nav> tag
      2. Put the body of the page inside a <main> tag
      3. Put the footer of the page inside a <footer> tag
      4. Use <h3> tags for the questions
      5. Use <div> tags for the answers
      6. The logout link should take the user to Login page
   3. Buy Now page \_\_\_\_\_ / 10pts
      1. Use the same layout as the FAQ page
      2. Use <form>, <fieldset>, <label>, <input>, <select>, and <button> tags to create the form
      3. Use <div> tags to create placeholders for the error messages
      4. The first cryptocurrency in the drop down list should be “Please select a Crypto”
      5. Use a <section> tag to create the dialog that will appear when the user makes a purchase
2. Use **Bootstrap** and **CSS** to style the web page
   1. Integrate the following frameworks \_\_\_\_\_ / 5pts
      1. Integrate **jQuery**
         * use the minified version, add the script tag to the bottom of the <body> element
      2. Integrate **jQuery UI**
         * use the minified version, add the script tag to the bottom of the <body> element, add the CSS stylesheet to the <head>
      3. Integrate **Bootstrap**
         * use the minified version, add the script tag to the bottom of the <body> element
   2. Mobile-responsive Bootstrap Navbar with a red background and white text color \_\_\_\_\_ / 5pts
   3. Apply the following Bootstrap classes to both forms \_\_\_\_\_ / 10pts
      1. Use the **form** class on the <form>
      2. Use the **form-group** class
      3. Use the **form-control** class for **all** text fields and dropdowns
      4. Use the **btn** and **btn-danger** classes for buttons
      5. Use the **text-danger** class for error messages
3. Use **jQuery, jQuery UI,** and **JavaScript** to do the following:
   1. Bind a handler to the **submit** event of the **Login** form that performs the following tasks:

\_\_\_\_\_ / 20pts

* + 1. Validate that the user entered a valid email address.
    2. Validate that the user entered a valid password.
    3. If the email address is "[admin@gcrypto.com](mailto:admin@gcrypto.com)" and the password is "P@ssw0rd" then send the user to the FAQ page.
    4. Otherwise display the message "Invalid Email or Password" beneath the password field and use a **jQuery UI effect** to make the form shake.
    5. Display error messages as shown, but only when there is a problem. Otherwise hide them.
    6. Do not use alert boxes to display errors.
  1. Bind a handler to the **submit** event of the **Buy Now** form that performs the following tasks:

\_\_\_\_\_ / 20pts

* + 1. Validate that the user selected a currency.
    2. Validate that the user entered a valid amount.
    3. If the user entered valid values then display the purchase dialog as shown below.
    4. Otherwise display error messages underneath the relevant field(s).
  1. When the user clicks the celebrate button on the purchase dialog, then make the dialog bounce using a **jQuery UI effect.** \_\_\_\_\_ / 5pts
  2. Use a **jQuery UI widget** to turn the FAQ page into an **accordion.** \_\_\_\_\_ / 5pts



