# Pseudo Code

(Not the final version, but pretty good.)

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| Feature | Pseudo Code |
| Login | Clear all past error messages  Collect the username and password off the form  Do they look OK?  If they are not ok,  Show an error message  Stop  Send the username and password to an authentication API  If the authentication is good:  capture the userid that was returned store it where it can be easily accessed,  hide all content divs  direct the user to the scan div  If the authentication is bad  Show an error message |
| **Sign Up** | **Students should fill this in….** |
| Scan | Clear all past error messages  Turn on the camera  Wait for a scan  When you get a scan  Check the value that was scanned.. is it of the correct pattern?  If the value OK,  Stop the camera  Send the value to an API, along with the userid  When the API call comes back,  If the API reports success  Hide all content divs  Show the confirmation div  If the API reports a problem  Show an error message  Show a “try again” button (which takes you back to the beginning) |
| Done | Delete / remove any session information (the userid)  Reload the page |
| Cancel | Delete / remove any session information (the userid)  Reload the page |
| Sign Out | Make sure the camera is off  Delete / remove any session information (the userid)  Reload the page |
| History | Make sure the camera is off  Get the userid  Call an API to return all historic data  If there is data, loop through it and append one item at a time to a table  If there is no data show a message stating “No Data Found” |
| Back To Scan | Hide all content divs  Show the scan div |