**5. Procedural Design**

5.1 Index Process

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| --- | --- |
| Name | Index.php |
| Processing Narrative | The Index.php process is used by returning and new customers. It is used to capture the customers first name, last name, email (for new customers), and phone number. New customers must submit their information and then fill in fields under returning customer to proceed with logging in. |
| Interface | The Index.php process is interfaced with the database process for validation of the customer information. |
| Pseudo Code | **If new customer**  get first name  get last name  get email  get phone number  confirm primary contact is 18 or older  click submit  then sign in under returning customer  **If returning customer**  get first name  get last name  get phone number  click go  **if get help**  contact staff for assistance |
| Restrictions/Limitations | Available for every user wanting to rent any equipment. |

5.2 Database Process

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| --- | --- |
| Name | Database.php |
| Processing Narrative | The Database process is used to validate the customer information for login. First name, Last name and phone number that is used to sign in is validated with customer profile. |
| Interface | The Database is interfaced with welcome.php process, as well as customer data store and rental data store. These are used to obtain any credentials a customer may have for special equipment and create easy access for staff to view/change any transactions. |
| Pseudo Code | Get first name  Get last name  Get phone number  check database for returning customer to validate name and number  If valid  Proceed  Else  Display error message  Redirect to login page |
| Restrictions/Limitations | Not visible to users or staff and may only be changed by Administrator. |

5.3 Welcome process

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| --- | --- |
| Name | Welcome.php |
| Processing Narrative | The welcome.php process is used to display customers’ information and any class certifications. This process is also used to obtain the number of people that will be using any equipment (not include the primary contact). |
| Interface | The welcome.php process is interfaced with contract.php process, so that it may correctly generate the appropriate amount of boxes for all additional people to sign. |
| Pseudo Code | If login is valid  Display customer information with any class certifications  Get the number of people that will be using any equipment (not  including the primary contact)  If cancel and logout  Clear all fields and logout  Redirect to login page |
| Restrictions/Limitations | Available for every user wanting to rent any equipment. |

5.4 Contract Process

|  |  |
| --- | --- |
| Name | Contract.php |
| Processing Narrative | The contract.php process is used to acquire a signature like confirmation from everyone besides the primary contact wanting to use any equipment. |
| Interface | The contract.php process is interfaced with product.php process. All fields for name along with the adult or minor field in order to move forward with the rental process. |
| Pseudo Code | Name and age bracket for every person wanting to use any equipment (not including the primary contact).  Click I/We agree to move forward  If cancel and logout  Clear all fields and logout  Redirect to login page |
| Restrictions/Limitations | Available for every user wanting to rent any equipment. |

5.5 Product Process

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| --- | --- |
| Name | Product.php |
| Processing Narrative | The product.php process is used to obtain which equipment the user wishes to rent and how many. |
| Interface | The product.php process is interfaced with the customer data store to obtain any class certifications a user may have. It is also interfaced with the rental data store to provide a real-time inventory of equipment available for rental. |
| Pseudo Code | User chooses equipment and how many he or she wants  Click submit  If equipment selection greater than or equal to one  Subtract amount from inventory available for rental  If cancel and logout  Clear all fields and logout  Redirect to login page |
| Restrictions/Limitations | Available for every user wanting to rent any equipment. |

5.6 Staff Process

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| --- | --- |
| Name | Staff |
| Processing Narrative | The staff process is used by the staff to validate customer identity and valid additional guest with the primary contact. The staff can add any class certifications to any customer profile. The staff may also change any active transactions (void, add equipment, delete equipment, and stop time). |
| Interface | The staff process is interfaced with rental data store, customer data store, and product.php process for staff to view/update/change. |
| Pseudo Code | Allow the customer to finalize the rental and direct them into the office. |
| Restrictions/Limitations | Only available for staff and administrator. |

# 9. References

Client Interviews with Heather at CSUS

sql website: http://www.mysql.com/

php website: http://www.php.net/

stackoverflow: http://stackoverflow.com/

w3 schools: http://www.w3schools.com/

Lynda: http://www.lynda.com/

Thebrain: http://www.thebrain.com/