

1. Your group number: 1
2. Your project name: HVAV POS
3. Your full name: Chris Moschetti
4. One or more sentences explaining what you have done:

I have worked with a model client to gain insights into the needs of a company who would use this type of software. I have provided references for invoices, event orders, workflow, and similar software to reference for design elements. I have also made the first Use Case Diagram as well as flow charts for all of my backend code.

I built a page of forms connected to 8 backend processes which model Add, Remove, and Update for the employee and product tables, as well as the backend processes for login and logout. These backend processes are each individually routed through an includes file, a controller class, and a class file in order to prevent sql injection, protect methods/data, and protect database access. These processes can be quickly and easily adapted to a new or updated database table.

I built a sessions class and implemented preliminary use of sessions data, specifically in tracking login status across pages, and restricting certain functionality based on login status.

The login backend uses password hashing for security. The add user function also uses password hashing, and checks the email field for a valid email address format. The logout function destroys the associated cookie, unsets, and destroys the session.