The user will have to prove their credentials and the application will allow the user to access certain methods.

* If user has correct credentials (User Name and Password), program enters Prod mode.
* Else, program enter Training mode.

1. Display Method (Prod and Training)- will allow the user to enter a date and display a list order associated with that date.

* If the users enters a date that doesn’t exist, the program will display an error message.

2. Add Method (Prod)- will allow this Prod to create the order with all the applicable information. This will then be written to the db.

* User enters each field for Order (CustomerName, State, ProductType, Area)
  + Date is automatically generated based on the day the order was created
  + Tax Rate depends on State
  + CostPerSquareFoot and LaborCostPerSquareFoot depends on ProductType
  + MaterialCost = CostPerSquareFoot \* Area
  + LaborCost = LaborCostPerSquareFoot \* Area
  + Tax = (MaterialCost + LaborCost) \* Tax Rate
  + Total = MaterialCost + LaborCost + Tax
* If user leaves a field blank, user should be shown an error message displaying that no field can’t be left empty (ValidateFieldException)

3. Edit Method (Prod) - asks user to enter OrderNumber and OrderDate

* Display existing data and ask user if they want to edit the information for each field
* If order doesn’t exist, display error message and send user back to Main Menu

4. Remove Method (Prod)- allows user to choose an order based on OrderNumber and OrderDate and remove that order from the Map.

5. SaveCurrentWork Method (Prod)- allows user to save changes made to an external file

6. Exit Method (Prod and Training)- displays “Good Bye” message and closes the program