DOCUMENTATION - SQL

1. Get\_user\_id\_by\_credentials:
   1. Used for user login.
   2. Takes in user’s user\_name and user\_password.
   3. Declare temp\_id.
   4. Checks whether or not there is a row with the exact requirements.
   5. If the row exists stores the user\_id into temp and return the id.
   6. If the row does not exist, return 0
2. Upgrade\_state:
   1. Used to progress the state of a request
   2. Takes in the request\_id\_input and comment\_input.
   3. Declare temp\_state\_id.
   4. Updates the current\_state to +1 for the request\_id\_input and returns the current state into the temp state.
   5. Update the data within the previous state, complete to true, comment to comment\_input, and date\_end to the current time at which the query is executed.
   6. Inserts new state into the state table with state\_name\_id = (temp-state\_id - 1) and request\_id = request\_id\_input
3. Degrade\_state:
   1. Used to reject submitted requests or reject approval from in progress to done
   2. Takes in the request\_id\_input and comment\_input.
   3. Declare temp\_state\_id.
   4. Updates the current\_state to +1 for the request\_id\_input and when the original current\_state is either 1 or 4, then returns the current state into the temp state.
   5. If, after the update, current\_state\_id is 0 (REQUEST REJECTED) update the