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**Test case 1 : (user login)**

**Input:** Username and password into login bars

**Tests:**

1. Test authorization of user in the SQL database
2. Test without inputs
3. Test if username exists in database

**Output:** Will either log in successfully, or username/password error

**Test case 2 : (clock in/clock out button)**

**Input:** User click on clock in/out button

**Test:** Test if time is logged and/or timer is started or stopped

**Output:** Work timer will begin or stop and length of time worked will be recorded.

**Test case 3: (Check employee hours worked)**

**Input:** User click on employee name.

**Tests:**

1. Test if data is properly stored in the database.
2. Test if layout shows information properly.
3. Test if correct worker information is shown.

**Output:** Will show employee name and hours they have worked up to 3 months back.

**Test case 4: (Creating employee account)**

**Input:** Employee name, Phone number, User ID, and password when creating employee account.

**Tests:**

1. Test for input username and password identical to another account.
2. Test for no inputs.
3. Test accurate database storage.

**Output:** Will either add user successfully, or display an error

**Test case 5: (clock in button with no clock out)**

**Input:** Clock in without subsequent clockout action

**Test:** Test if system handles these scenarios where user forgets to clock out previously

**Output:** Alert the user about missed clock out.

**Test case 6: (Break button)**

**Input:** User clicks on the break button

**Test:**

1. Test if the button accurately pauses the timer and then restarts if after the user returns from break and clicks on the button again.
2. Test if time on break is accurately recorded.

**Output:** Will stop timer or begin timer and record break time for one or more break periods.

**Test case 7: (Logout button)**

**Input:** User input on Log out button

**Test:** Test if the button works, and logs out the user successfully

**Output:** User will be left on the login page

**Test case 8: (Overtime Calculation)**

**Input:** Employee work hours for the week

**Tests:**

1. Test with values above threshold, i.e. above 168 hours.
2. Test with sets of allowed values to see if calculation is accurate

**Output:** Display of overtime hours