

RV College of Engineering® , Bengaluru – 59
Department of Information Science and Engineering
Database Design Laboratory (18CS53)

Forms, Security and Validation

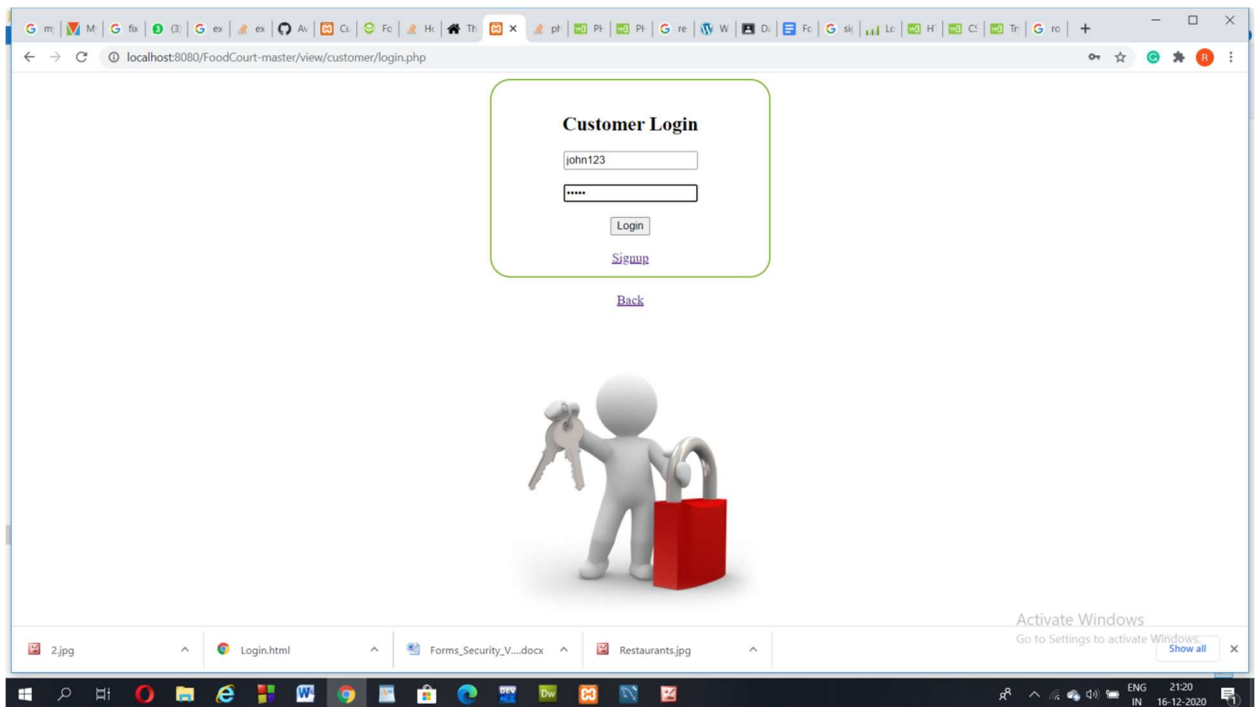
TITLE: FOOD COURT MANAGEMENT SYSTEM		
TEAM	USN: 1RV18IS034	Name: Prakhar Kant Kushwaha
	USN: 1RV18IS040	Name: Raman Kumar

1. Forms

SIGNUP PAGE

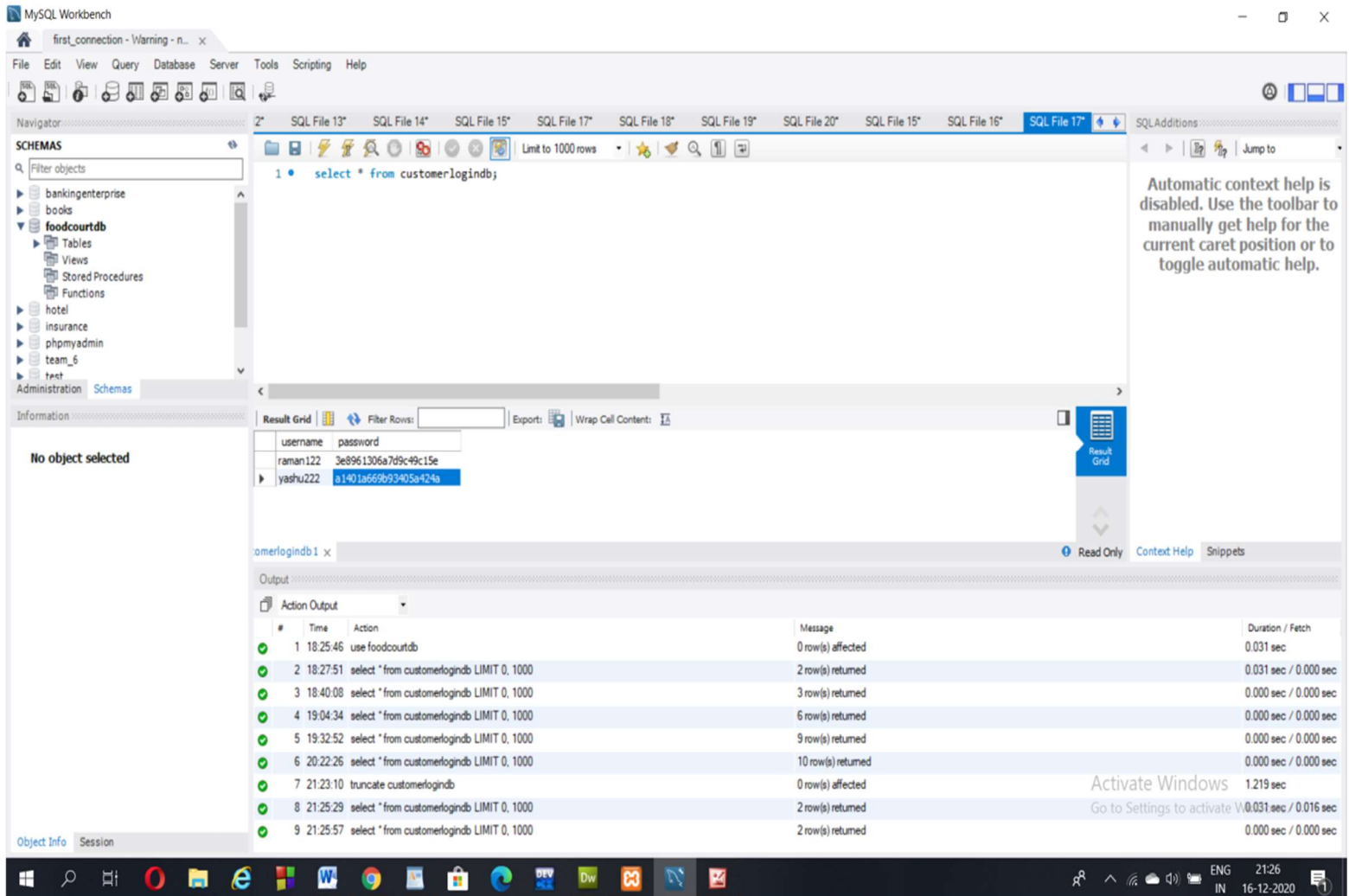
The screenshot displays a web browser window with the address bar showing 'localhost:8080/FoodCourt-master/view/customer/signup.php'. The main content area features a green background with a blurred image of hands typing on a keyboard. A white-bordered box in the center contains the 'Sign up' form. The form includes the following fields: 'Your full name', 'Your email address', 'Your phone number', 'Username', 'New password', and 'Retype password'. Below these fields is a green 'Create Account' button. A blue 'Back' link is positioned below the button. The Windows taskbar at the bottom shows various application icons and the system clock indicating 21:19 on 16-12-2020.

LOGIN PAGE



2. Security implementation

ENCRYPTED PASSWORD STORAGE: Password are encrypted using md5 and encrypted values are stored. This ensures that passwords are not hardcoded into the software database. Thus, the security of the system is ensured. During login, the password is encrypted and matched against stored encrypted value and login is done.



The screenshot displays the MySQL Workbench interface. The left sidebar shows the 'SCHEMAS' tree with 'foodcourtdb' selected. The main query editor contains the SQL statement: `select * from customerlogindb;`. The 'Result Grid' shows the following data:

username	password
raman122	3e8961306a7d9c49c15e
yashu222	a1401a669b93405a424a

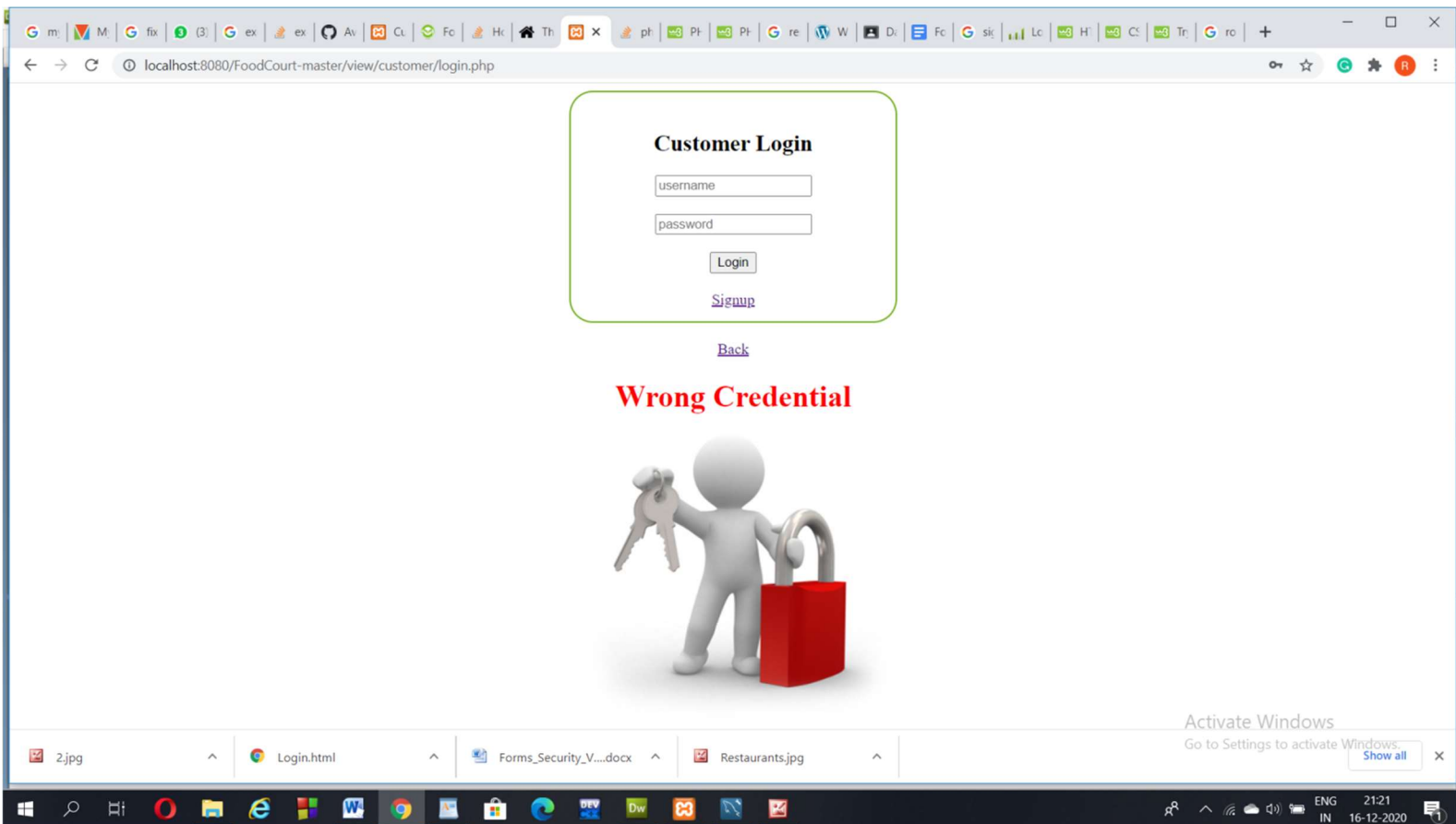
The bottom panel shows the 'Action Output' log with the following entries:

#	Time	Action	Message	Duration / Fetch
1	18:25:46	use foodcourtdb	0 row(s) affected	0.031 sec
2	18:27:51	select * from customerlogindb LIMIT 0, 1000	2 row(s) returned	0.031 sec / 0.000 sec
3	18:40:08	select * from customerlogindb LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
4	19:04:34	select * from customerlogindb LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
5	19:32:52	select * from customerlogindb LIMIT 0, 1000	9 row(s) returned	0.000 sec / 0.000 sec
6	20:22:26	select * from customerlogindb LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
7	21:23:10	truncate customerlogindb	0 row(s) affected	1.219 sec
8	21:25:29	select * from customerlogindb LIMIT 0, 1000	2 row(s) returned	0.031 sec / 0.016 sec
9	21:25:57	select * from customerlogindb LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

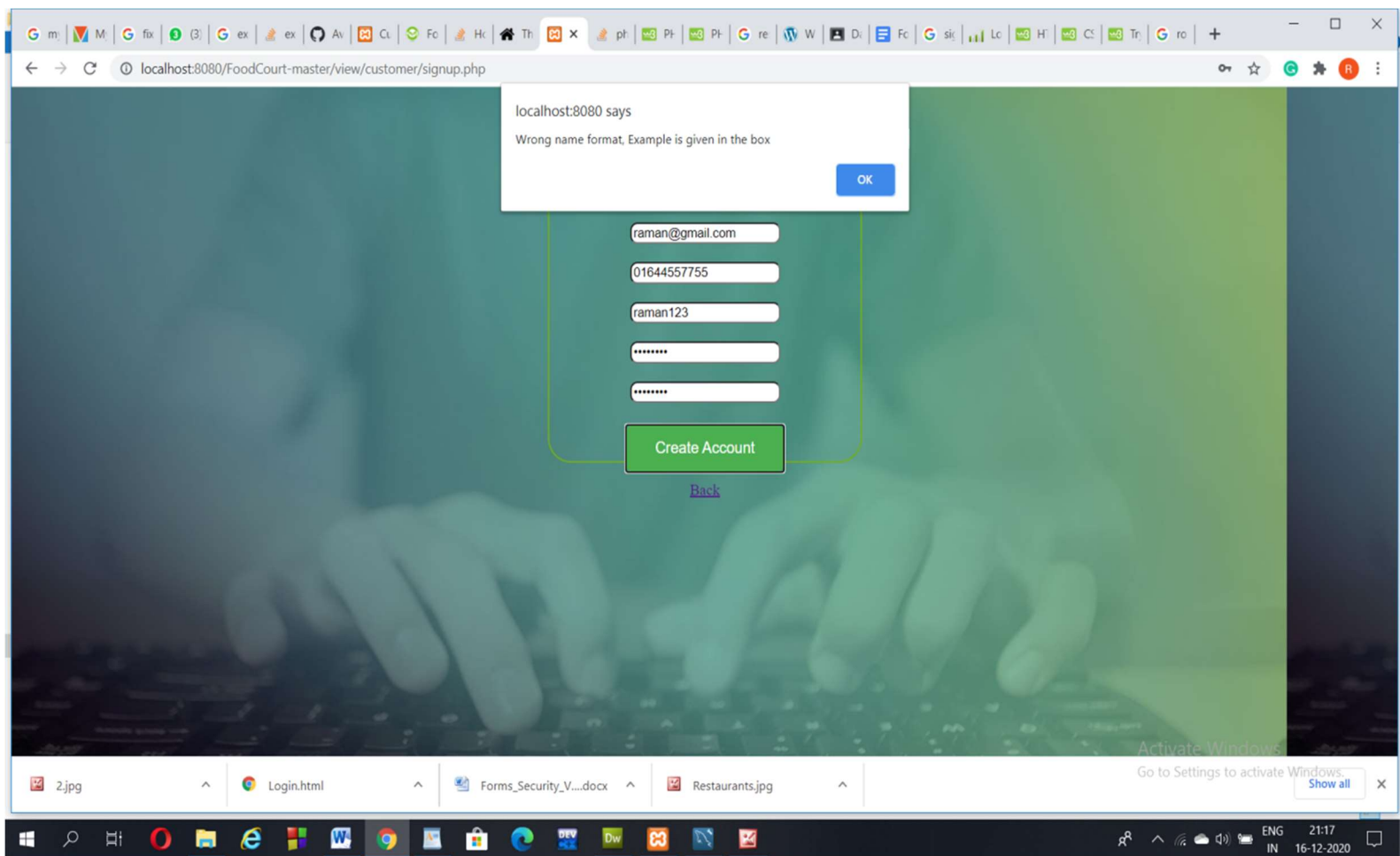
The bottom status bar shows the system clock as 21:26 on 16-12-2020.

3. Validations

VALIDITY CHECK FOR CORRECT LOGIN CREDENTIALS: If the username and password do not match any of the login data in the database, “wrong credentials” message is displayed. Thus, only registered customers are allowed to place orders.



VALIDITY CHECK FOR FORMAT OF INPUT FIELDS: All the input fields have a predefined formats which new customer has to follow for signup. Hints for correct input format in the input fields is provided for convenience. In case, wrong formatted input is entered in the fields, an error pops up from the top specifying the first field for which wrong input is entered.



VALIDITY CHECK ON INPUTS FOR QUANTITY OF FOOD ITEMS ACCORDING TO STOCK AVAILABLE: The quantity for selected menu items can only be selected from the list. The maximum number is the stock available for that item and minimum one, provided it is not sold out in which case the item cannot be selected. This prevents the user from entering negative input or number greater than stock available.

