

Storage Leasing business demo

Introduction: this project demoes an online business for storages lease around the world. Main goals of this project are to demonstrate my capabilities to implement backend design and programming skills via c#, and entity framework through SQL database, along the way I taught myself basics of wpf gui in order to test my learning skills.

Design pattern: MVVM

Main Window:



Project has 2 main windows:

1. User control panel. Options:

- Search all orders – Show on grid all the orders of the user.
- Search order by ID – Show an order with a given ID.
- Submit new order – User must choose a storage from 7 available options (drop box/combo box), must choose location from 7 available options (drop box/combo box), enter the amount of rental days (must and the system calculates the price automatically and also print the order number) and has an option to add comment for managers.
- Delete order.
- Delete order – this option delete an order and only show on grid.

Project has also login and signup windows:

1. User login window – validation included:

- Check if password is at least 8 characters long, has at least one uppercase and at least one digit using regex (this is a frontend method meaning no contact has made with database)
- Check if username and password are a match in database and automatically move user to customer control panel if details are correct else pop a message

2. User signup window – include validation methods in frontend and back end

- Check if password is at least 8 characters long, has at least one uppercase and at least one digit using regex (this is a frontend method meaning no contact has made with database)
- Check if email is in the correct format (frontend method)
- Check if user exist in system (backend method)
- Validate ID (every user must enter his personal ID, preset: Israeli ID standards)

The image displays two side-by-side UI mockups for a customer interface, set against a dark blue background. The left mockup is titled 'Customer Sign up' and features four input fields: 'Enter Your ID', 'Username', 'Password', and 'Enter Your Email'. Below these fields are two buttons: a teal 'Sign up' button and a light blue 'Back to Main Page' button. The right mockup is titled 'Customer Login' and features two input fields: 'Username' and 'Password'. Below these fields are two buttons: a teal 'Log in' button and a light blue 'Main Menu' button. Both mockups have a light blue background and rounded corners.

- #### **3. Manager login window** – include validation methods in frontend and backend same as user + manager has authorization code (preset to be 0).

4. Manager sign up window - – include validation methods in frontend and backend same as user + manager has authorization code (preset to be 0).

Manager Login

Username

Password

Authorization Code

Login

Home

Manager Sign up

Enter Your ID

Username

Password

Enter Your Email

Authorization code

Sign up

Back to Main Page