

```
using System;
using System.Data;
using System.Linq;
using System.Web.UI;
using System.Web.UI.WebControls;
using WebApplication2.DAL;
```

```
namespace WebApplication2
```

```
{
    public partial class Manager : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                if (Session["UserEmail"] == null || Session["UserRole"] == null)
                {
                    Response.Redirect("login.aspx");
                }
                else
                {
                    managerName.Text = Session["UserEmail"].ToString();
                    LoadRestaurants();
                }
            }
        }
    }
}
```

```
protected void btnSaveRestaurant_Click(object sender, EventArgs e)
{
    if (!Page.IsValid) return;
```

```
    if (editSource.Value == "grid")
    {
        managerName.Text = "Grid is in edit mode. Use Update inside the table.";
        return;
    }
}
```

```
if (phoneNumber.Text.Length != 11 || !phoneNumber.Text.All(char.IsDigit))
```

```
{
    managerName.Text = "Phone number must be exactly 11 digits.";
    return;
}
```

```
if (zipCode.Text.Length != 5 || !zipCode.Text.All(char.IsDigit))
{
    managerName.Text = "Zip code must be exactly 5 digits.";
    return;
}
```

```
if (licenseNumber.Text.Length != 4 || !licenseNumber.Text.All(char.IsDigit))
{
    managerName.Text = "License number must be exactly 4 digits.";
    return;
}
```

```
myDAL dal = new myDAL();
bool success;
string managerEmail = Session["UserEmail"].ToString();
```

```
if (!string.IsNullOrEmpty(restaurantId.Value))
{
    success = dal.UpdateRestaurant(
        Convert.ToInt32(restaurantId.Value),
        name.Text,
        ownerName.Text,
        phoneNumber.Text,
        email.Text,
        address.Text,
        city.Text,
        zipCode.Text,
        licenseNumber.Text,
        openingDate.Text,
        status.SelectedValue,
        seatingCapacity.Text,
        deliveryAvailable.SelectedValue,
        managerEmail
    );
}
```

```

    );
}
else
{
    success = dal.SaveRestaurant(
        name.Text,
        ownerName.Text,
        phoneNumber.Text,
        email.Text,
        address.Text,
        city.Text,
        zipCode.Text,
        licenseNumber.Text,
        openingDate.Text,
        status.SelectedValue,
        seatingCapacity.Text,
        deliveryAvailable.SelectedValue,
        managerEmail
    );
}

if (success)
{
    restaurantTable.EditIndex = -1; // reset edit mode
    LoadRestaurants();           // rebind data
    ClearForm();                  // clear form fields
    managerName.Text = "Restaurant saved successfully.";
}
else
{
    managerName.Text = "Error saving restaurant.";
}
}

```

```

protected void restaurantTable_RowCommand(object sender,
GridViewCommandEventArgs e)
{
    if (e.CommandName == "View")

```

```

    {
        int restaurantId = Convert.ToInt32(e.CommandArgument);
        Response.Redirect("~/RestaurantDetails.aspx?rid=" + restaurantId);
    }
}

```

```

private void ClearForm()
{
    restaurantId.Value = string.Empty;
    name.Text = "";
    ownerName.Text = "";
    phoneNumber.Text = "";
    email.Text = "";
    address.Text = "";
    city.Text = "";
    zipCode.Text = "";
    licenseNumber.Text = "";
    openingDate.Text = "";
    status.SelectedIndex = 0;
    seatingCapacity.Text = "";
    deliveryAvailable.SelectedIndex = 0;
    editSource.Value = "form";
}

```

```

protected void restaurantTable_RowEditing(object sender, GridViewEditEventArgs e)
{
    restaurantTable.EditIndex = e.NewEditIndex;
    ClearForm();
    editSource.Value = "grid";
    LoadRestaurants();
}

```

```

protected void restaurantTable_RowUpdating(object sender, GridViewUpdateEventArgs e)
{
    GridViewRow row = restaurantTable.Rows[e.RowIndex];

    string id = ((Label)row.FindControl("lblID")).Text;
    string name = ((TextBox)row.FindControl("txtName")).Text;
    string owner = ((TextBox)row.FindControl("txtOwner")).Text;
}

```

```
string phone = ((TextBox)row.FindControl("txtPhone")).Text;
string email = ((TextBox)row.FindControl("txtEmail")).Text;
string address = ((TextBox)row.FindControl("txtAddress")).Text;
string city = ((TextBox)row.FindControl("txtCity")).Text;
string zip = ((TextBox)row.FindControl("txtZip")).Text;
string license = ((TextBox)row.FindControl("txtLicense")).Text;
string openingDate = ((TextBox)row.FindControl("txtDate")).Text;
string status = ((DropDownList)row.FindControl("ddlStatus")).SelectedValue;
string seating = ((TextBox)row.FindControl("txtSeating")).Text;
string delivery = ((DropDownList)row.FindControl("ddlDelivery")).SelectedValue;
```

```
if (phone.Length != 11 || !phone.All(char.IsDigit))
{
    managerName.Text = "Phone number must be exactly 11 digits.";
    return;
}
```

```
if (zip.Length != 5 || !zip.All(char.IsDigit))
{
    managerName.Text = "Zip code must be exactly 5 digits.";
    return;
}
```

```
if (license.Length != 4 || !license.All(char.IsDigit))
{
    managerName.Text = "License number must be exactly 4 digits.";
    return;
}
```

```
string managerEmail = Session["UserEmail"].ToString();
```

```
myDAL dal = new myDAL();
bool success = dal.UpdateRestaurant(
    Convert.ToInt32(id), name, owner, phone, email, address, city, zip,
    license, openingDate, status, seating, delivery, managerEmail
);
```

```
restaurantTable.EditIndex = -1;  
LoadRestaurants();  
editSource.Value = "form";
```

```
managerName.Text = success ? "Record updated successfully." : "Error updating  
record.";  
}
```

```
protected void restaurantTable_RowDeleting(object sender, GridViewDeleteEventArgs e)  
{  
    int id = Convert.ToInt32(restaurantTable.DataKeys[e.RowIndex].Value);  
    string managerEmail = Session["UserEmail"].ToString();
```

```
    myDAL dal = new myDAL();  
    bool success = dal.DeleteRestaurant(id, managerEmail);
```

```
    LoadRestaurants();  
    ClearForm();
```

```
    managerName.Text = success ? "Record deleted successfully." : "Error deleting  
restaurant.";
```

```
    }  
    private void LoadRestaurants()  
    {  
        myDAL dal = new myDAL();  
        string managerEmail = Session["UserEmail"].ToString();
```

```
        DataTable dt = dal.GetRestaurants(managerEmail);
```

```
        foreach (DataRow row in dt.Rows)  
        {  
            DateTime parsedDate;  
            if (DateTime.TryParse(row["Opening_Date"].ToString(), out parsedDate))  
            {  
                row["Opening_Date"] = parsedDate.ToString("yyyy-MM-dd");  
            }  
        }
```

```
    }  
  
    restaurantTable.DataSource = dt;  
    restaurantTable.DataBind();  
}  
}  
}
```