

The background is a vibrant green. On the left, there are large, overlapping, semi-transparent circles. On the right, there is a faint, high-angle photograph of a green landscape with hills and fields. A horizontal line of small white dots is visible in the upper right area.

Design Presentation

Group12

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Summary

- **Our website: Group+**
 - **Our website is a combination of**
 - **social network** based on interest **groups**
 - customer to customer **trading platform** designed for trading among **friends and friends' friends**
-

Summary

● Features

- Users have their own personal homepage
 - All kinds of groups classified by interests
 - Each group has a group homepage and users can join any groups they are interested in.
 - Members in certain group can post relative news they want to share with others
 - Members can also sell or purchase products they like in the group
-

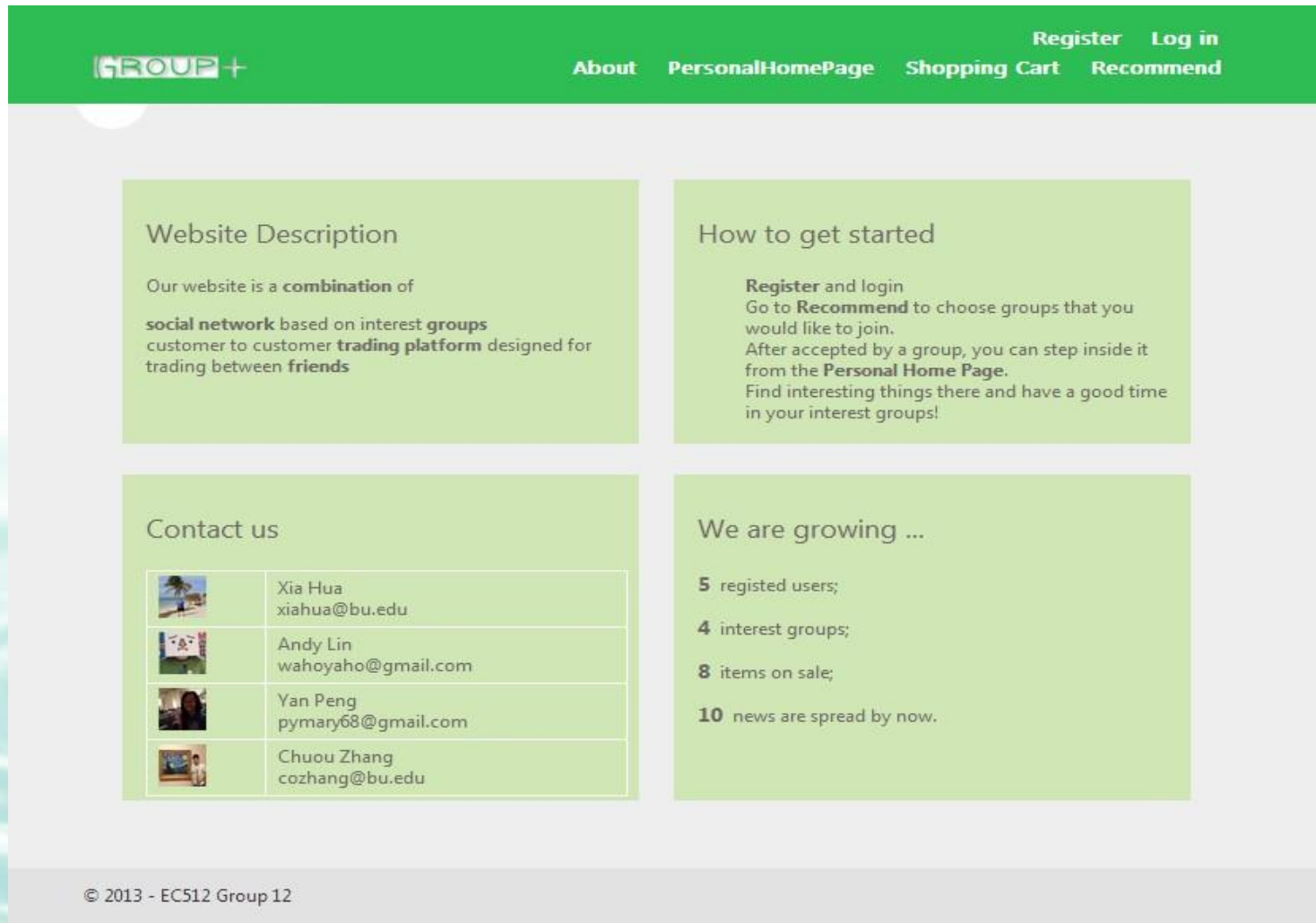
Page Design

● Overview



Page Design

● Start Page



Page Design

● Register Page

The image shows a web registration page for a site called 'GROUP+'. The page has a green header bar with the site logo on the left and navigation links ('About', 'PersonalHomePage', 'Shopping Cart', 'Recommend', 'Register', 'Log in') on the right. Below the header, there is a light gray section with a green heading 'Register.' followed by the instruction 'Use the form below to create a new account.' A white box contains a note: 'Passwords are required to be a minimum of 6 characters in length.' The registration form itself is a light green box containing four white input fields labeled 'User name', 'Email address', 'Password', and 'Confirm password'. A green 'Register' button is at the bottom left of the form. The footer of the page is light gray and contains the copyright notice '© 2013 - EC512 Group 12'.

GROUP+ [About](#) [PersonalHomePage](#) [Shopping Cart](#) [Recommend](#) [Register](#) [Log in](#)

Register. Use the form below to create a new account.

Passwords are required to be a minimum of 6 characters in length.

User name

Email address

Password

Confirm password

Register

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Page Design

- **Login Page**

Log in.

Use a local account to log in.

User name

Password

☐ Remember me?

Log in

[Register if you don't have an account.](#)

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Page Design

● Personal Homepage


- **Main Technique**

- This page retrieves information from the SQL db and outputs it dynamically
- GroupMembers – which groups you are in
- Personal Info
- GroupRequests

The screenshot shows a web page layout for a personal homepage. At the top is a green header bar with the text "GROUP +" on the left and "Hello, mary ! Log off" on the right. Below the header is a navigation bar with links: "About", "PersonalHomePage", "Shopping Cart", and "Recommend". The main content area is divided into several sections:

- Greeting:** "Hello, mary!" followed by a paragraph: "This is a basketball group. NBA playoff has begun. It's time for fans to cheer for the superstars. Don't hesitate. Come join us here!"
- Group List:** A vertical list of three green buttons labeled "Basketball", "Photography", and "Football". Each button is followed by a text box containing a description of the group.
- Message Box:** A green header with the text "Message Box" and a message: "andy has requested membership for Football Accept Deny".
- Other Functions:** A green header with three links: "My Sell List", "Creat a Group", and "Manage My Group(s)".
- Account Info:** A green header with a table containing user information.

At the bottom of the page is a footer with the text "© 2013 - ECS12 Group 12".

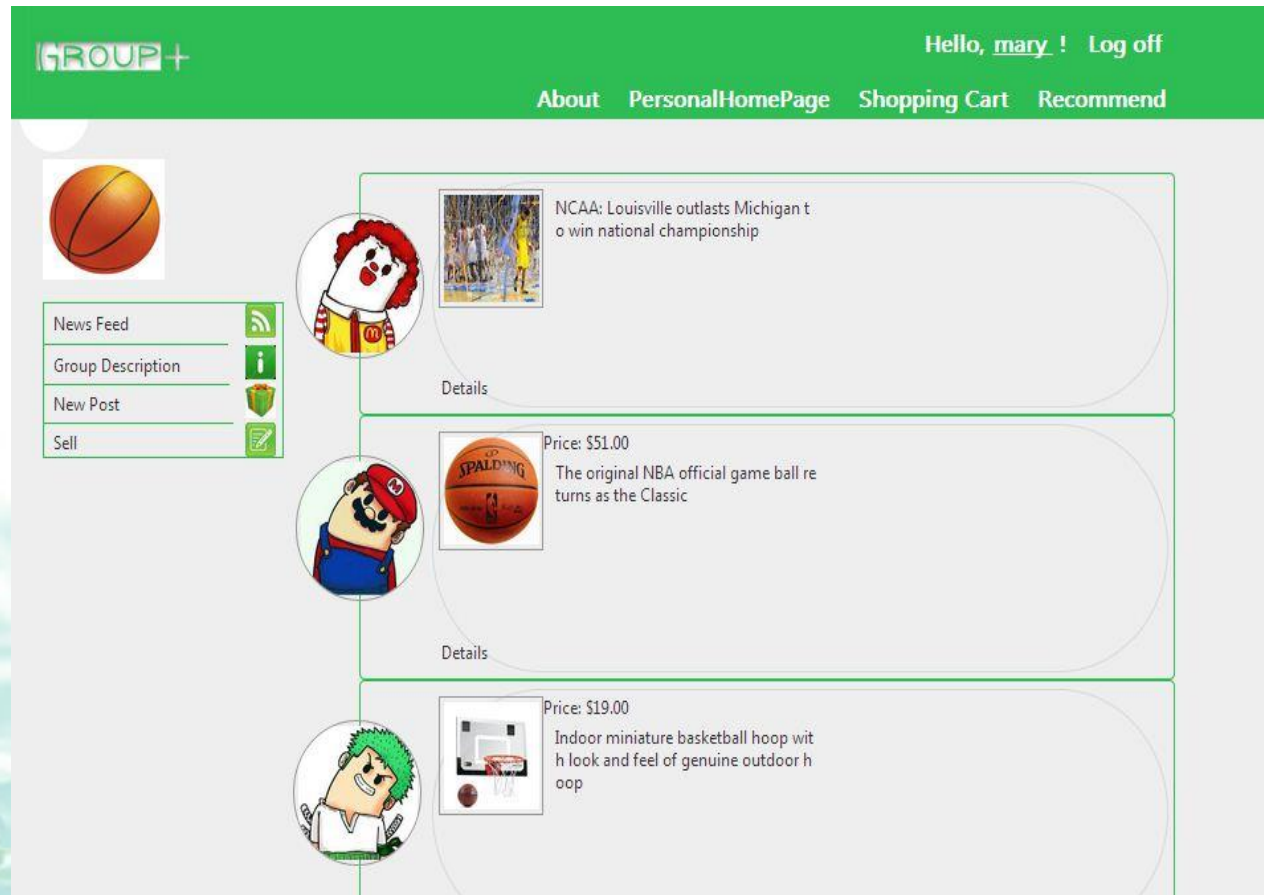
Account Info		
	Name	Mary
	Email	mary@gmail.com
	Browse...	Upload Image

Page Design

● Group Homepage

- **Main Technique**

- This page takes information from NewsItems
- Determine product if price is not null and news if price is null



Page Design

● Group Description



Page Design

● Product Editor

- **Main Technique**

- Simple insert command into SQL db
- FileUpload generates a random string and append it in the filename to prevent filename overlaps
- Remove image removes it from the upload queue as well as the server

GROUP+ Hello, mary ! [Log off](#)

[About](#) [PersonalHomePage](#) [Shopping Cart](#) [Recommend](#)

Describe your product here.


Item Name


Price \$

Description

☐ **Second hand ?**

You may upload multiple files.

Remove Image

Remove Image

No file chosen

Page Design

● News Editor

GROUP+

Hello, mary ! Log off

AboutPersonalHomePageShopping CartRecommend

News Editor.

Write everything here.

Upload a cover Image.

image will show here

Browse...Upload

PostCancel

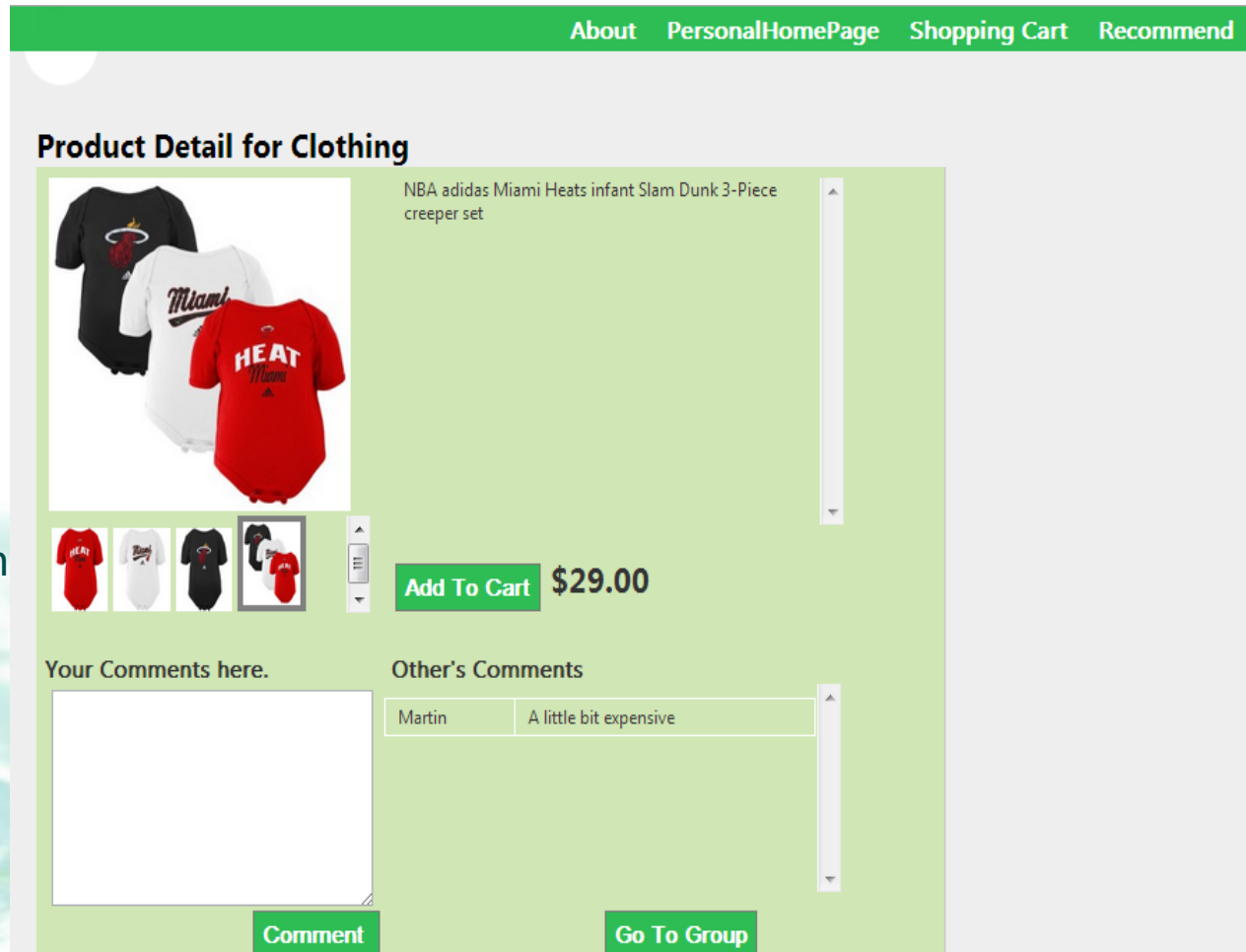
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Page Design

● Product Details


- **Main Technique**

- This page grab information from NewsItem table and NewsItemImages table.
- We use jQuery technique to scan bigger images. When the mouse is over one small icon, its big image will automatically appear on the screen.




Page Design

● News Details

Hello, mary ! [Log off](#)

[About](#) [PersonalHomePage](#) [Shopping Cart](#) [Recommend](#)

News Detail



NCAA: Louisville outlasts Michigan to win national championship

Your Comments here.

Comment

Other's Comments

Dick	good
joe	what????
mary	hello


Go To Group

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Page Design

● Shopping Cart

- Show items added to shopping cart

Hello, ANDY ! [Log off](#)

[About](#) [PersonalHomePage](#) [Shopping Cart](#) [Recommend](#)

Products in cart:


Name	Content	Price	Date		
Football Crew Socks	Rib cuffs for a snug fit	36.00	2013/4/23 16:55:41	View Details Contact Seller	Remove Item
Shoe	Perforated vent at toe plus breathable fabric lining	60.00	2013/4/24 13:01:57	View Details Contact Seller	Remove Item

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Page Design

● My Sell List

- Show items that the user is selling

Hello, mary ! [Log off](#)

[About](#) [PersonalHomePage](#) [Shopping Cart](#) [Recommend](#)

Products in cart:

Name	Content	Price	Date	Interested Buyers	
Football Cleat	Synthetic, Manmade sole	41.00	2013/4/23 16:53:31		View Details Remove Item
Name: Photo Umbrella	Des. : Eliminate glare and spots	8.09	2013/4/24 11:34:38	1	View Details Remove Item

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Page Design

● Group Creator

- Create a new group by yourself

GROUP+ Hello, mary ! Log off

About PersonalHomePage Shopping Cart Recommend

Group Creator

Create your group here..

Group name

Describe your group...

Upload a logo for your group...

image will show here

Browse... Upload

Submit Cancel

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Page Design

● Group Manager

- **Main Technique**

- First we grab information from the SQL db
- Left side of the page does an update command in the Groups table
- Right side of the page does a delete command in GroupMembers

The screenshot displays a web application interface for a 'Group Manager'. At the top, a green header bar contains the text '(GROUP) +', a user greeting 'Hello, mary !', and a 'Log off' link. Below the header, a navigation bar includes links for 'About', 'PersonalHomePage', 'Shopping Cart', and 'Recommend'. The main content area is titled 'Group Manager.' and features a section 'Manage your group here..'. This section is divided into two columns. The left column contains a 'Select a group' dropdown menu with 'Photography' selected, a 'Group name' text input field with 'Photography', a 'Describe your group...' text area with a detailed description of photography, and an 'Upload a logo for your group...' section with a small image of a camera and a 'Browse...' button. The right column is titled 'Remove current member of this group:' and lists 'andy', 'Martin', and 'Mary' in a text input field, with a green 'Delete Member' button below it. At the bottom of the form, there are 'Submit' and 'Cancel' buttons.

Database Design

● Overview

- We created a few tables to store information for our website to function
 - **Groups**
 - **GroupMembers**
 - **GroupRequest**
 - **NewsItems**
 - **NewsItemsImages**
 - **Comments**
 - **ShoppingCart**
 - **Users**
-

Database Design

● Memberships Table

- This was generated by the web forms template

[illegible][illegible]

Database Design

● User Information Table

- This was modified to include each user's real name and profile image

[illegible]

Database Design

● Groups Table

- Here each group has an unique Id, and for each group we store information on the group names, descriptions, cover images, and the founder

	Id	Name	Desc	Image	Founder
	1	Basketball	This is a bask...	~\Images\ba...	Joe
	2	Photography	This group is ...	~\Images\ph...	Mary
	3	Hockey	This group is ...	~\Images\ho...	Andy
	4	Football	This group is ...	~\Images\foo...	Mary
▶*	NULL	NULL	NULL	NULL	NULL

```
CREATE TABLE [dbo].[Groups] (  
    [Id] INT IDENTITY (1, 1) NOT NULL,  
    [Name] VARCHAR (50) NOT NULL,  
    [Desc] VARCHAR (250) NULL,  
    [Image] VARCHAR (50) NULL,  
    [Founder] NVARCHAR (50) NULL,  
    PRIMARY KEY CLUSTERED ([Id] ASC),  
    CONSTRAINT [FK_Groups_Founder] FOREIGN KEY ([Founder]) REFERENCES [dbo].[Users] ([UserName]) ON DELETE SET NULL  
) ;
```


Database Design

● GroupMember Table

- Stores group members information

	GID	UserName
▶	1	andy
	1	Joe
	1	Martin
	1	Mary
	2	Martin
	2	Mary
	3	Andy
	3	Joe
	4	Andy
	4	Joe
	4	Mary
*	NULL	NULL

```
CREATE TABLE [dbo].[GroupMembers] (  
    [GID] INT NOT NULL,  
    [UserName] NVARCHAR (50) NOT NULL,  
    PRIMARY KEY CLUSTERED ([GID] ASC, [UserName] ASC),  
    CONSTRAINT [FK_GroupMembers_GID] FOREIGN KEY ([GID]) REFERENCES [dbo].[Groups] ([Id]) ON DELETE CASCADE,  
    CONSTRAINT [FK_GroupMembers_User] FOREIGN KEY ([UserName]) REFERENCES [dbo].[Users] ([UserName]) ON DELETE CASCADE  
);
```


Database Design

● GroupRequest Table

- Stores user requests to groups

	User	Gid
	andy	2
	andy	3
	andy	4
	mary	3
➤*	NULL	NULL

```
CREATE TABLE [dbo].[GroupRequest] (  
    [User] NVARCHAR (50) NOT NULL,  
    [Gid] INT NOT NULL,  
    PRIMARY KEY CLUSTERED ([User] ASC, [Gid] ASC),  
    CONSTRAINT [FK_GroupRequest_Gid] FOREIGN KEY ([Gid]) REFERENCES [dbo].[Groups] ([Id]) ON DELETE CASCADE,  
    CONSTRAINT [FK_GroupRequest_User] FOREIGN KEY ([User]) REFERENCES [dbo].[Users] ([UserName]) ON DELETE CASCADE  
);
```

Database Design

NewsItems Table

- We decided to put news and product items in the same table to make queries easier at the expense of space overhead (e.g. all the NULL values in Name, Price, and SecondHand)

	Id	Name	Owner	Price	SecondHand	Content	Date	GID
▶	75	Shoe	Mary	60.00	False	Perforated ve...	2013/4/23 16:...	1
	76	NULL	joe	NULL	NULL	NBA Playoff: ...	2013/4/23 16:...	1
	77	Clothing	joe	29.00	True	NBA adidas ...	2013/4/23 16:...	1
	78	NULL	Andy	NULL	NULL	Injured LA La...	2013/4/23 16:...	1
	79	NULL	Martin	NULL	NULL	Rutgers set to...	2013/4/23 16:...	1
	80	Mini Basketb...	Martin	19.00	False	Indoor miniat...	2013/4/23 16:...	1
	81	Indoor Leathe...	ANDY	51.00	True	The original ...	2013/4/23 16:...	1
	82	NULL	Mary	NULL	NULL	NCAA: Louisvi...	2013/4/23 16:...	1

```
CREATE TABLE [dbo].[NewsItems] (  
    [Id] INT IDENTITY (1, 1) NOT NULL,  
    [Name] NVARCHAR (50) NULL,  
    [Owner] NVARCHAR (50) NOT NULL,  
    [Price] DECIMAL (7, 2) NULL,  
    [SecondHand] BIT NULL,  
    [Content] NVARCHAR (250) NOT NULL,  
    [Date] DATETIME2 (7) DEFAULT (getdate()) NOT NULL,  
    [GID] INT NOT NULL,  
    PRIMARY KEY CLUSTERED ([Id] ASC),  
    CONSTRAINT [FK_NewsItems_GID] FOREIGN KEY ([GID]) REFERENCES [dbo].[Groups] ([Id]) ON DELETE CASCADE,  
    CONSTRAINT [FK_NewsItems_Owner] FOREIGN KEY ([Owner]) REFERENCES [dbo].[Users] ([UserName]) ON DELETE CASCADE  
);
```

Database Design

● NewsItemsImages Table

- This contains image paths for corresponding news or products

	Id	Image
▶	76	~/Images/joe...
	77	~/Images/joe...
	77	~/Images/joe...
	77	~/Images/joe...
	77	~/Images/joe...
	78	~/Images/An...
	79	~/Images/Ma...
	80	~/Images/Ma...
	80	~/Images/Ma...
	80	~/Images/Ma...
	80	~/Images/Ma...

```
CREATE TABLE [dbo].[NewsItemsImages] (  
    [Id] INT NOT NULL,  
    [Image] NVARCHAR (50) NOT NULL,  
    PRIMARY KEY CLUSTERED ([Id] ASC, [Image] ASC),  
    CONSTRAINT [FK_NewsItemsImages_Id] FOREIGN KEY ([Id]) REFERENCES [dbo].[NewsItems] ([Id]) ON DELETE CASCADE  
);
```

Database Design

● Comments Table

- Stores information on poster name, post being commented on, content, and the date.

	Poster	PostID	Content	Date
	joe	81	so so	2013/4/23 18:...
	Martin	77	A little bit exp...	2013/4/23 16:...
	Mary	75	It is gooooooo...	2013/4/23 16:...
	mary	81	Great!	2013/4/23 18:...
	mary	82	Great!!!	2013/4/25 11:...
▶*	NULL	NULL	NULL	NULL

```
CREATE TABLE [dbo].[Comments] (  
    [Poster] NVARCHAR (50) NOT NULL,  
    [PostID] INT NOT NULL,  
    [Content] NVARCHAR (250) NOT NULL,  
    [Date] DATETIME2 (7) DEFAULT (getdate()) NOT NULL,  
    PRIMARY KEY CLUSTERED ([Poster] ASC, [PostID] ASC, [Date] ASC)  
);
```

Database Design

● ShoppingCart Table

- Stores the item Ids in each user's shopping carts

	Id	Buyer
	81	mary
	92	mary
▶*	NULL	NULL

```
CREATE TABLE [dbo].[ShoppingCart] (  
    [Id] INT NOT NULL,  
    [Buyer] NVARCHAR (50) NOT NULL,  
    PRIMARY KEY CLUSTERED ([Id] ASC, [Buyer] ASC),  
    CONSTRAINT [FK_ShoppingCart_Id] FOREIGN KEY ([Id]) REFERENCES [dbo].[NewsItems] ([Id]) ON DELETE CASCADE  
);
```

Techniques Summary

- **ASP.NET**
 - **SQL Server**
 - **C#**
 - **AJAX**
 - **JQUERY**
 - **HTML/CSS**
-

The background is a vibrant green. The top half features a semi-transparent image of a lush, hilly landscape with trees and fields. Overlaid on this are several abstract white and light green shapes: a large circle with a smaller circle inside, a thin vertical line, and a series of small dots forming a horizontal line. A dark green banner with rounded corners is positioned across the middle of the image.

Thank you