

## User Guide 3.2

### Email from ASP.NET

1. Emailing is a simple feature of ASP.NET when you use the MAIL Object, the steps in general are:
  - a. Use the mail object
  - b. Set the to/from/subject/message properties
  - c. Establish the SMTP connection
  - d. Send the email

The following example assumes you build this as a separate subroutine in a unique class so you can use it from other pages in your site and pass the to, from, subject etc to the subroutine

2. To the top of the page, add a call to the mail library - dll  
`using System.Net.Mail;`
3. Here is the basic subroutine

```
// the parameters to pass to the subroutine are the
// a) the recipient's full email
// b) the sender's email (must be a @uncw.edu to use our mail server)
// c) build a string with the complete message
// d) what is the subject line?
// e) a Boolean on if you want a blind copy - this is a true or false

public static void emailSend(String emailTo, String emailFrom, String sMessage,
String subject, Boolean sendBCC)
{

    Smtplib client = new Smtplib();
    client.Host = "smtp.uncw.edu";

    MailMessage message = new MailMessage();
    message.Subject = subject;
    message.To.Add(new MailAddress(emailTo));
    message.From = (new MailAddress(emailFrom));
    message.Body = sMessage;
    if (sendBCC)
    {
        message.Bcc.Add(new MailAddress(emailFrom));
    }
    client.Send(message);

}
```

4. To call the subroutine from a button (or another page)
  - a. It is best to create your message first as in:

```
// sample by retrieving emails from the database

string bodyMessage = "Thank you ..... build message";
string fromEmail = "janickit@uncw.edu";// generally you retrieve from the person
class or the cookie for who has logged in

string dbConn =
System.Configuration.ConfigurationManager.ConnectionStrings["mis413ConnectionString"].
ConnectionString;

//build a connection to the database
SqlConnection conn = new SqlConnection(dbConn);

//use the above connection to execute a particular stored procedure [substitutue
your personInsert stored procedure name below]
using (SqlCommand cmd = new SqlCommand("[personEmailsGet]", conn))
{
    cmd.CommandType = CommandType.StoredProcedure;

try
    {
        conn.Open();
        SqlDataReader dtrReader = cmd.ExecuteReader();
        // see if any data was returned from the stored procedure, if
no data
        // than not a valid user or password

        while (dtrReader.Read())
        {
            emailSend((string)dtrReader["email"],
"ldd3421@uncw.edu", strMessage, "St. Judes Wilmington Foundation Needed Items ",
true);
        }
    }
    //if there are any errors with the store procedure, display them in
//the FailureText Literal
    catch (SqlException ex)
    {
        this._message.Text = "Error on emailing " + ex.Message;
    }
}
}
```