VAASAN YLIOPISTO

Sharing and storing images in web using mobile devices

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Motivation

symbian

Microsoft® Windows® Powered
Pocket PC | Smartphone

palm

Existing technology

- Manual storage
- Moblog
- Mobile Device
  - Email
  - Web Browser
- Programs
  - Nokia lifeblog
  - PicoBlogger

What can we do?

- Our own moblog
- Our own mobile device software
- Choices
  - Symbian OS
  - Windows OS
  - Palm OS

Windows OS

- Both in Desktop and Mobile devices
- Both in PDAs and Smartphones
- .NET easy to program (i.e. VB)

Our own moblog

- In the Server Side
- Different users
- Views
  - Date
  - Grouped by x Number

Our own moblog

- Retreiving images
  - By web browser
  - By email
  - By web service
- Storing Images
  - DataBase
  - Hard Disk

Mobile Software

- Browsing
- Email
- Consuming the web service

- Moblog use
- Retreiving images
  - Coding

Retreiving images

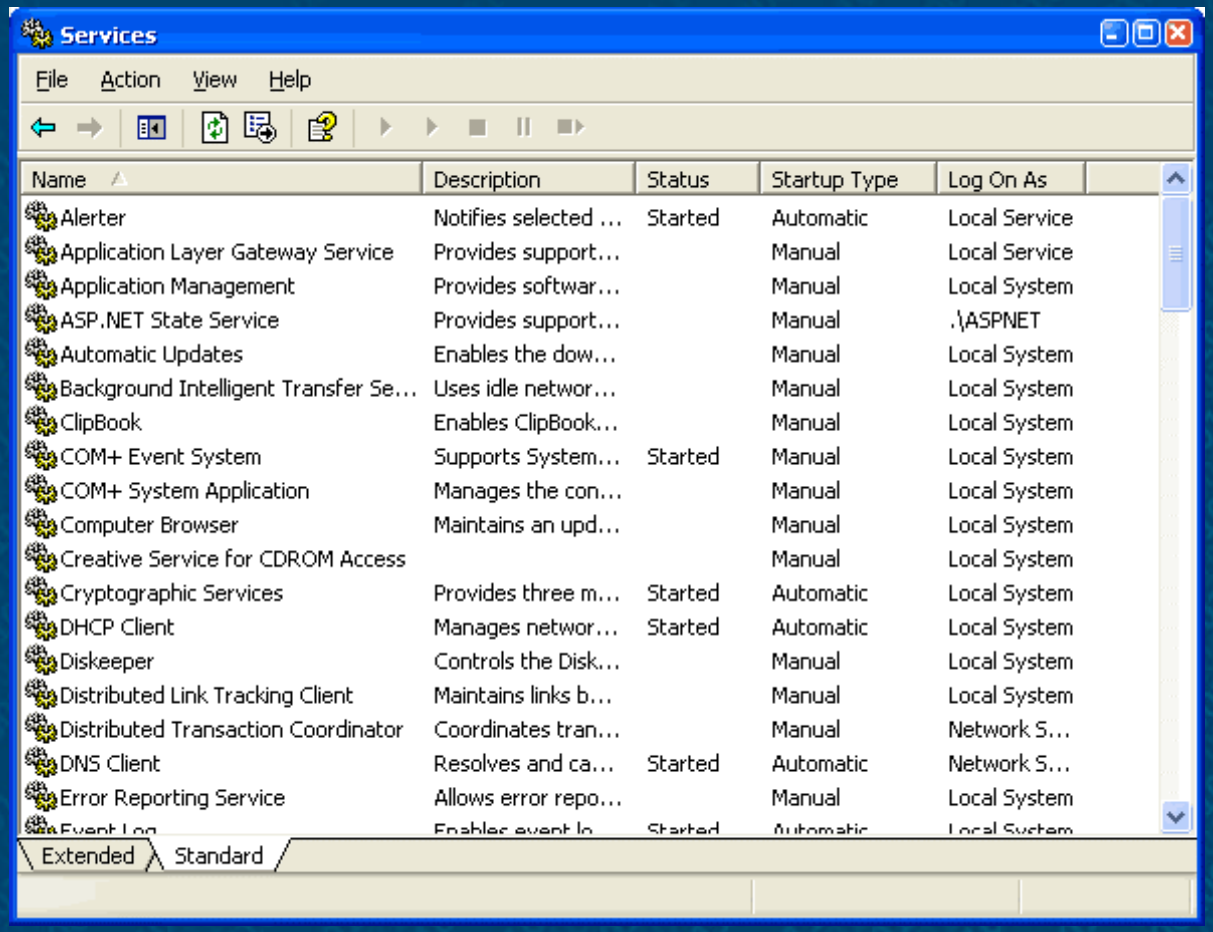
- By web browser
- By email
- By a web – service using a mobile device

Sending images&text from the client side

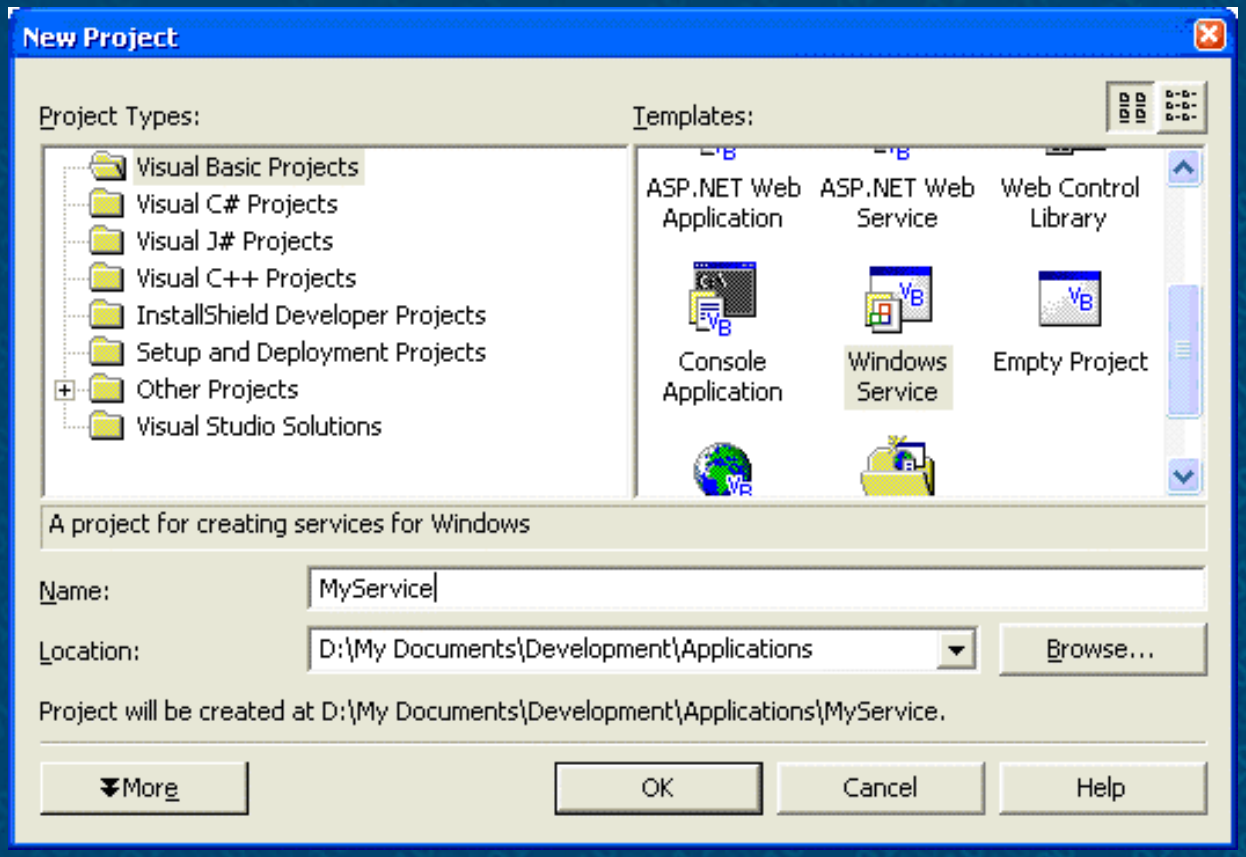
```
<asp:Button Text="Submit"
  OnClick="Insert_Click" runat="Server"
  />
```

```
Sub Insert_Click(ByVal Receiver As
  System.Object, ByVal e As
  System.EventArgs)
```

Email Window Service



Email Window Service



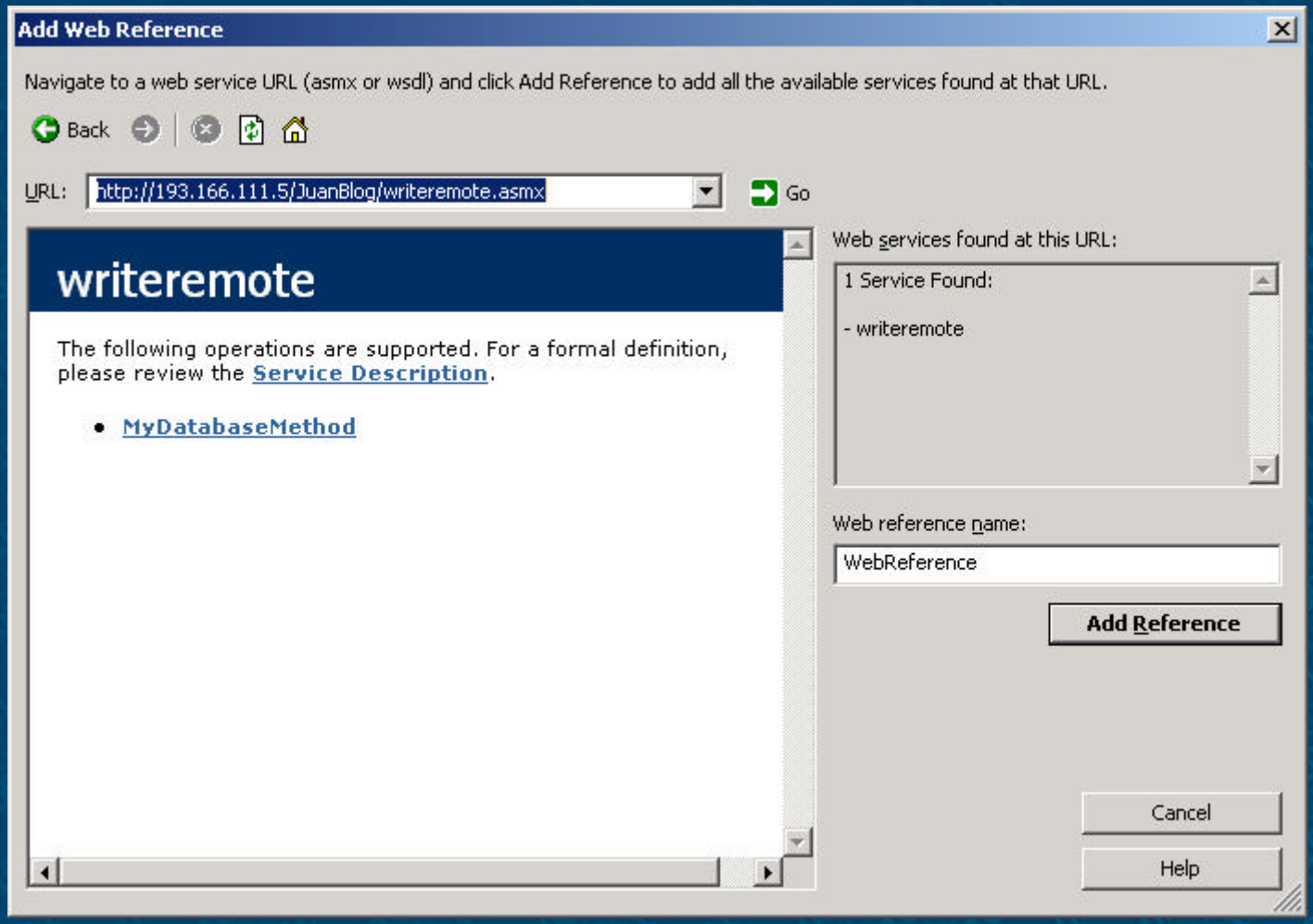
Web Service

```
<%@ WebService Language="VB"
   Class="writeremote" %>

<WebService(Namespace:="http://193.166.112.
   89/JuanBlog/")> Public Class writeremote :
   Inherits System.Web.Services.WebService

<WebMethod()> Public Function
   MyDatabaseMethod(imgName As String,
   imgbin As Byte(), imgcontenttype as String,
   Headline As String, Content As String,
   Author As String) As Integer
```

Adding a web service

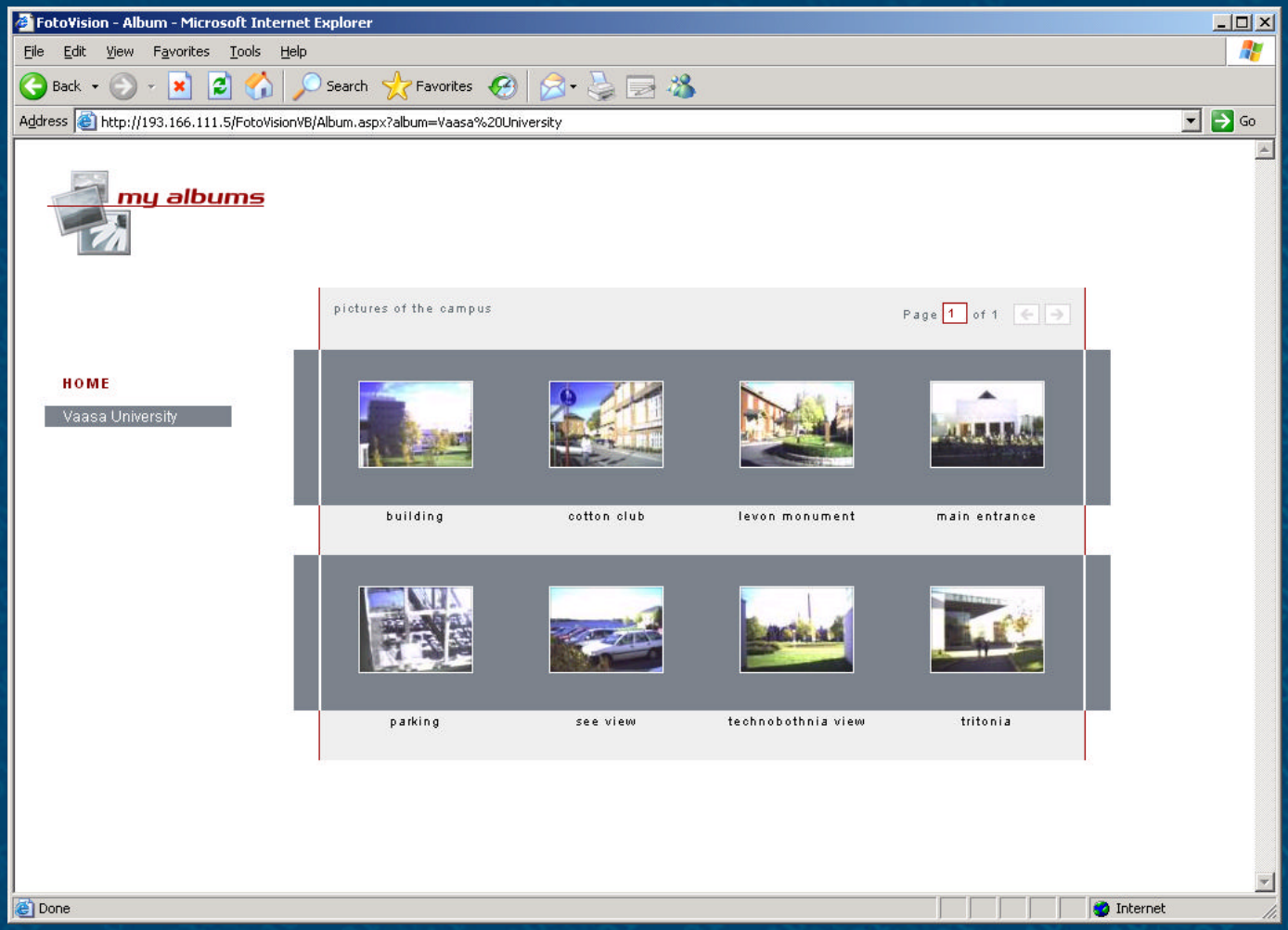


Consuming a web service

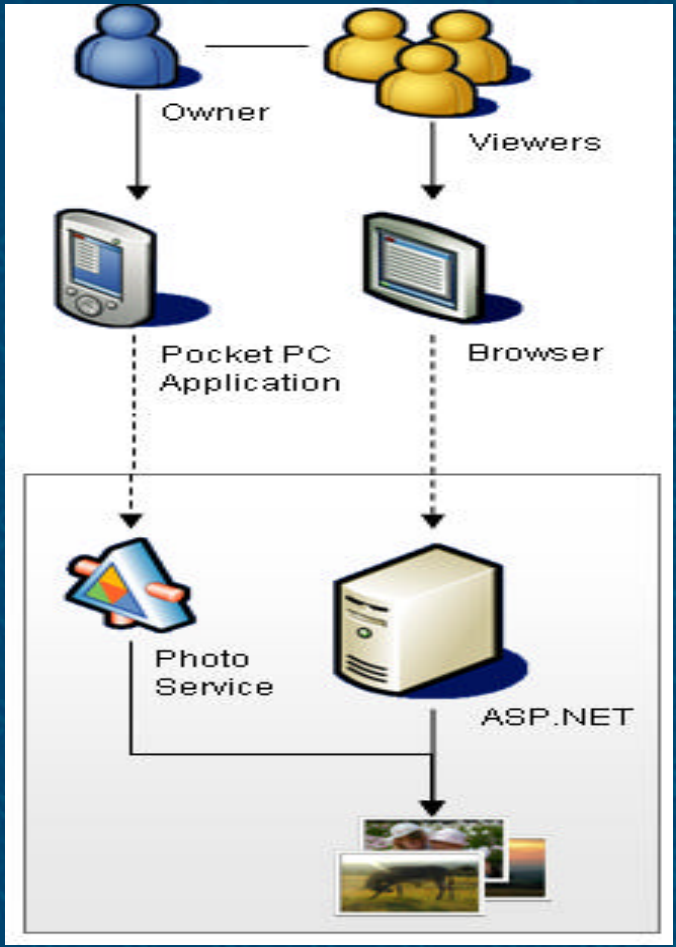
```
Dim ws As New
  WebReference.writeremote

  ws.MyDatabaseMethod(imgName_value,
  binaryData, imgContentType,
  TBTittle.Text, TBBody.Text, "PocketPC")
```

A Photo Album



A photo album



What is comming?

- Visual Studio 2005
  - Managed APIs
  - Camera APIs
  - Location services
  - POOM (Pocket Outlook Object Model)
- 3G (Video & Audio)