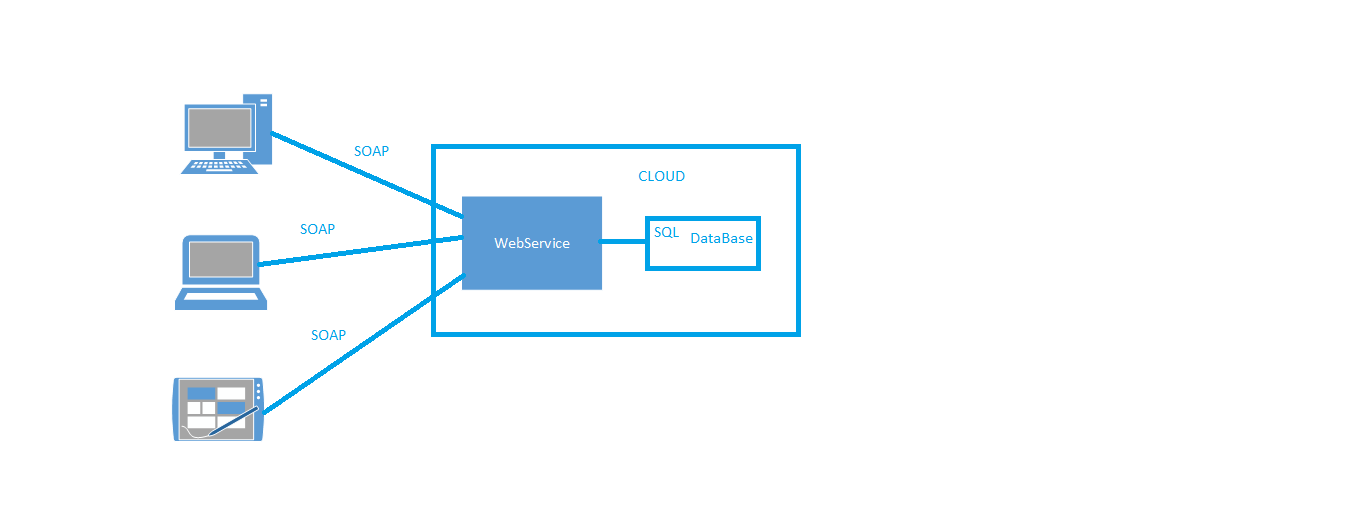
**Midterm Exam Report:**

**1)Design:**

a)**Architecture Diagram:**



Any device can access(desktop,laptop,mobile) GiftFinder application from anywhere.SOA architecture is implemented in the project. Application makes use of user defined webservices and existing webservices to perform any tasks.

b)**Class Diagram:**



**2)Features Implemented:**

a)Web Services(Own):

(i) Login : To login into the application

(ii)Register : To complete registration process

(iii)Manage Event Details : Perform create,update,retreive and delete operation on event details like Event Date,Time,Location,Description

(iv) Send Invitation : Invite friends through email service

(v)View Invitation Details : Invites can view the Event Details

Webservices(Existing):

(i)Amazon Product Advertising API: Used to search the product name and display details of product like ISBN,price etc.

b)Database:

Used MS SQL Server 2012 database. Created database with Name "Hackathon" and added four tables

Event\_Hackathon(EventId,Name,Description,Address)

GiftList\_Hackathon(GiftId,ProductName)

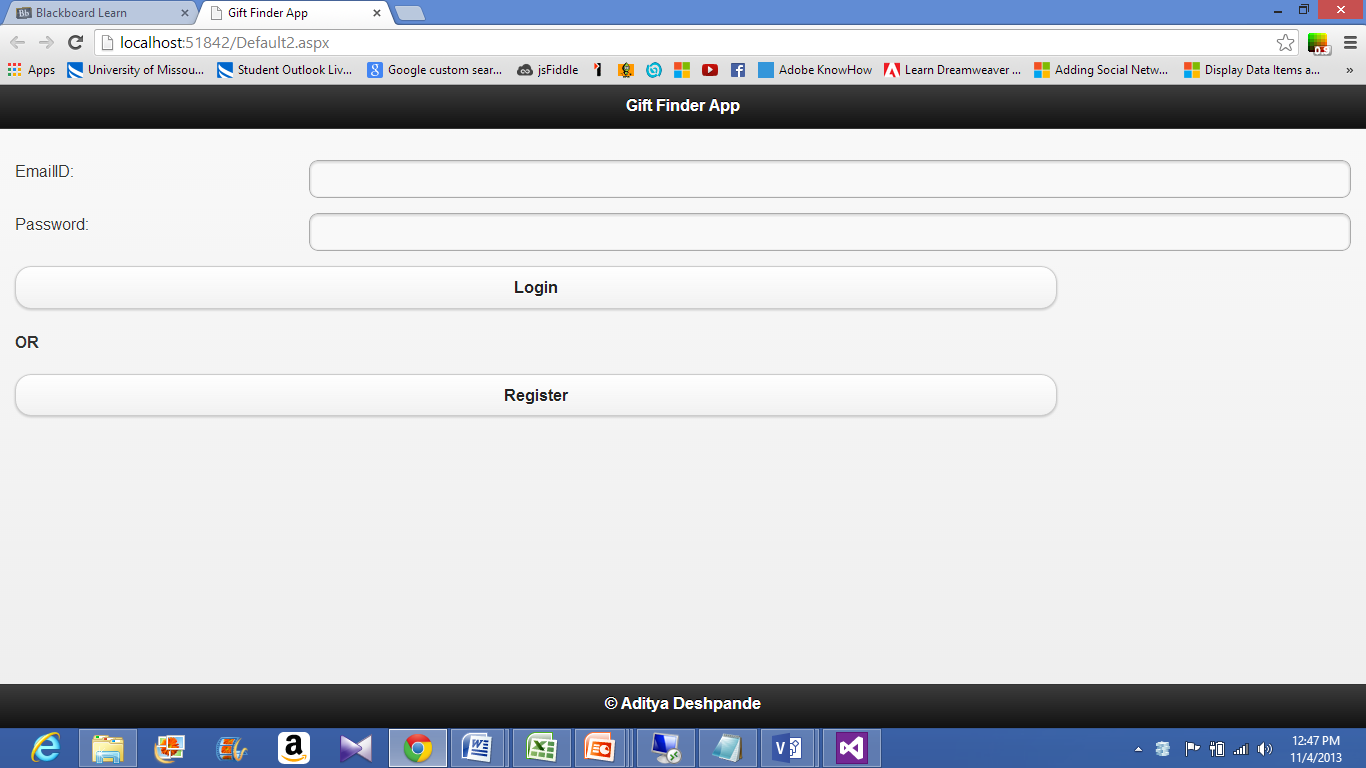
Invitation(EmailID)

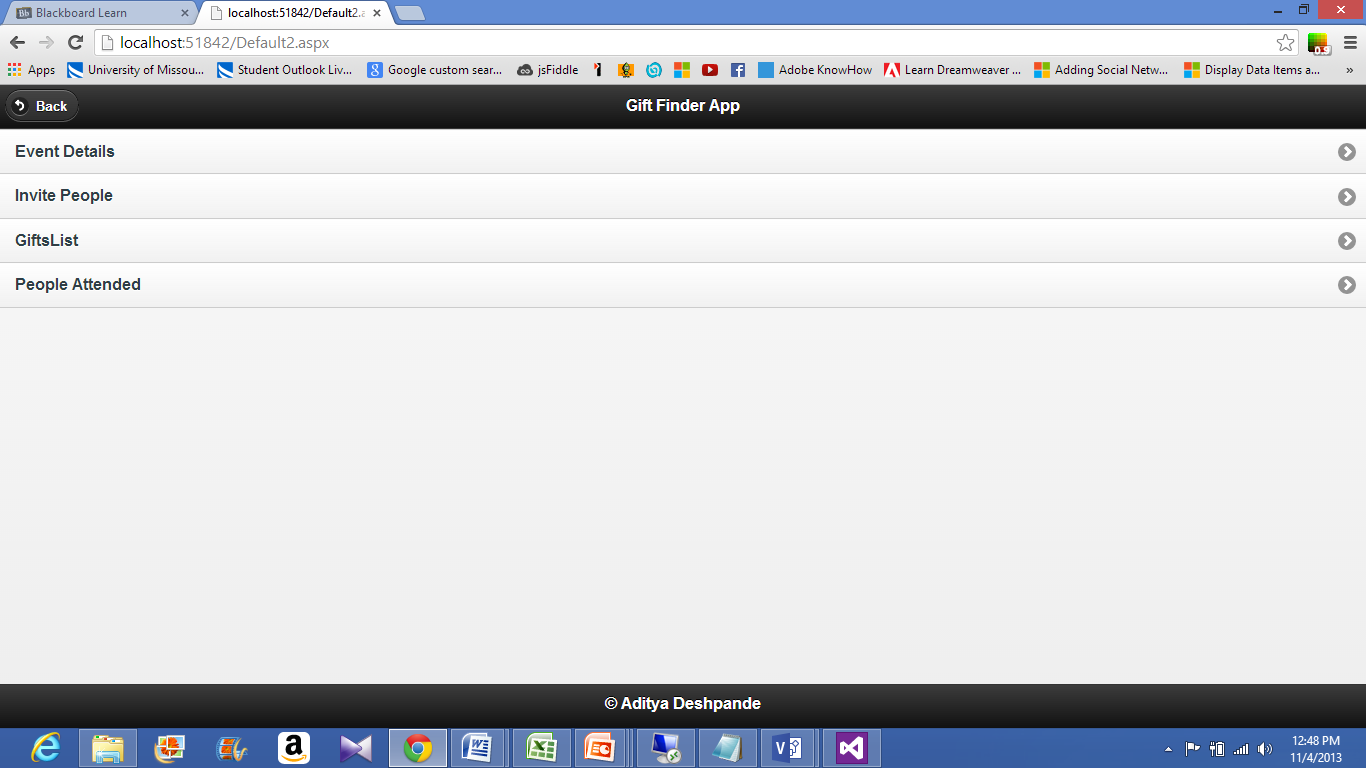
Register\_Hackathon(EmailID, Name,Password)

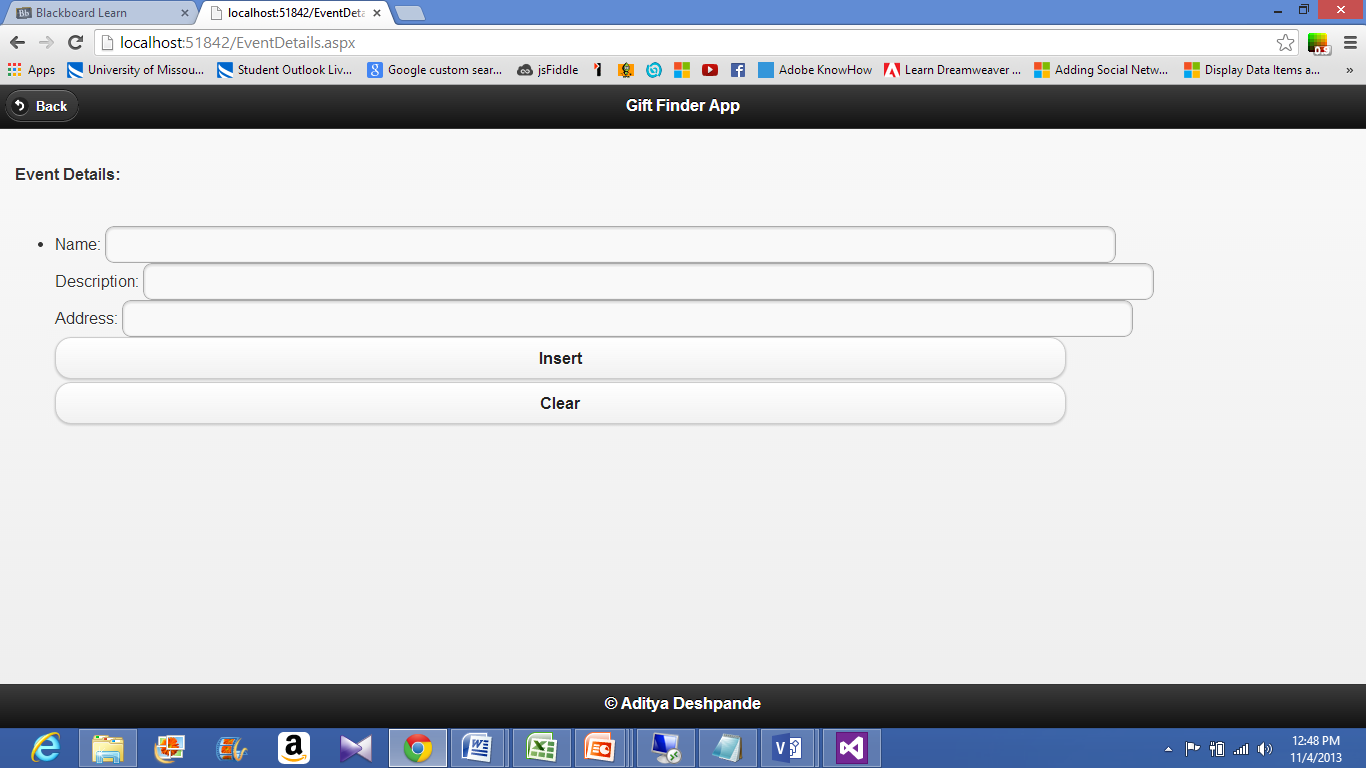
c)Mobile User Interface

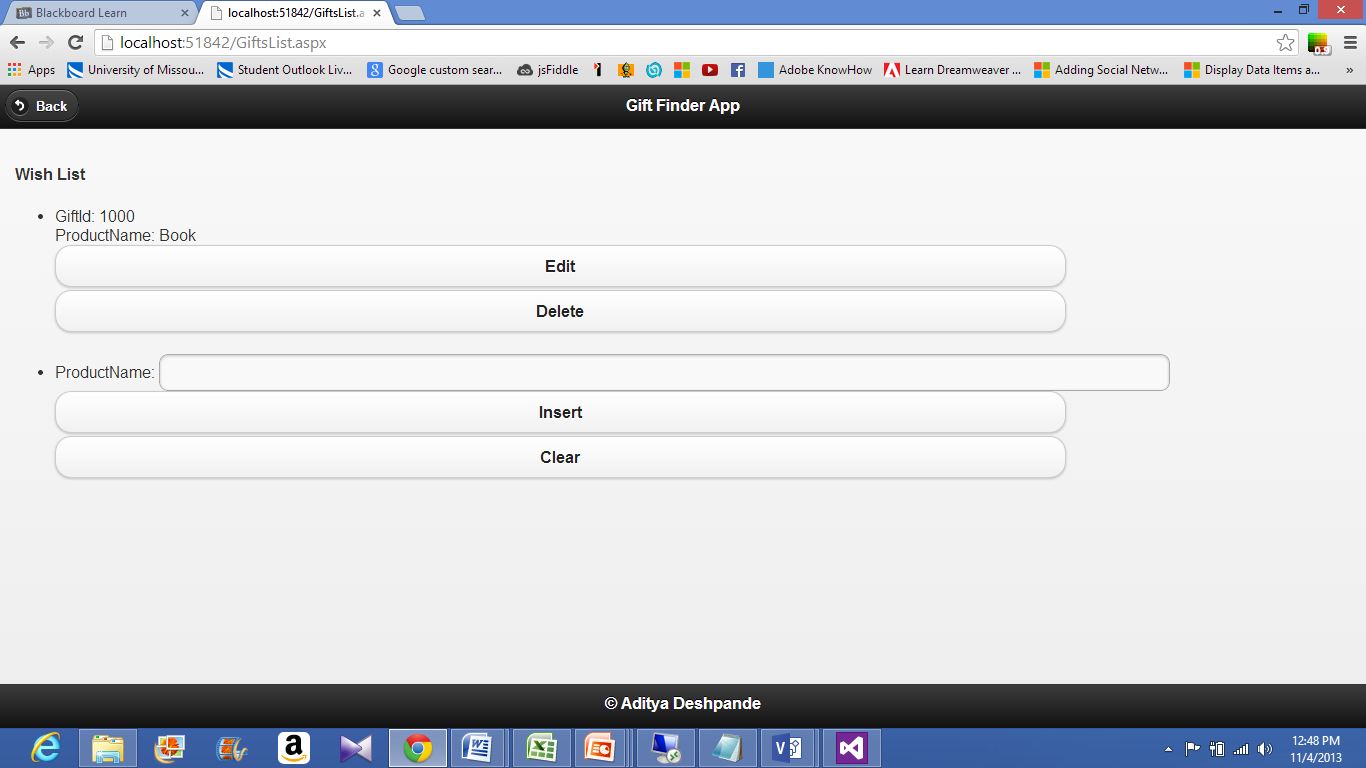
I used mobile jquery to design user Interface and integrated with C#.NET to handle server side events.

Please find below are the few screen shots for user interface:





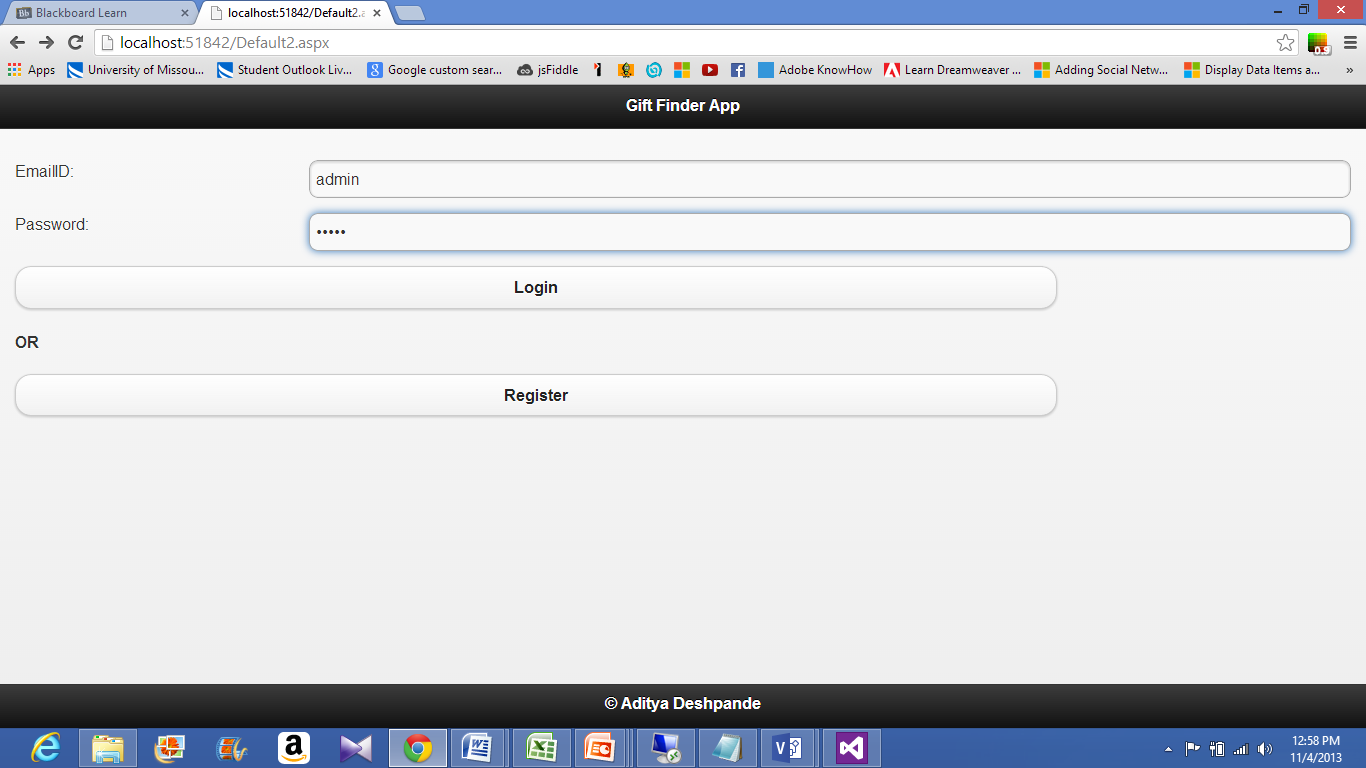


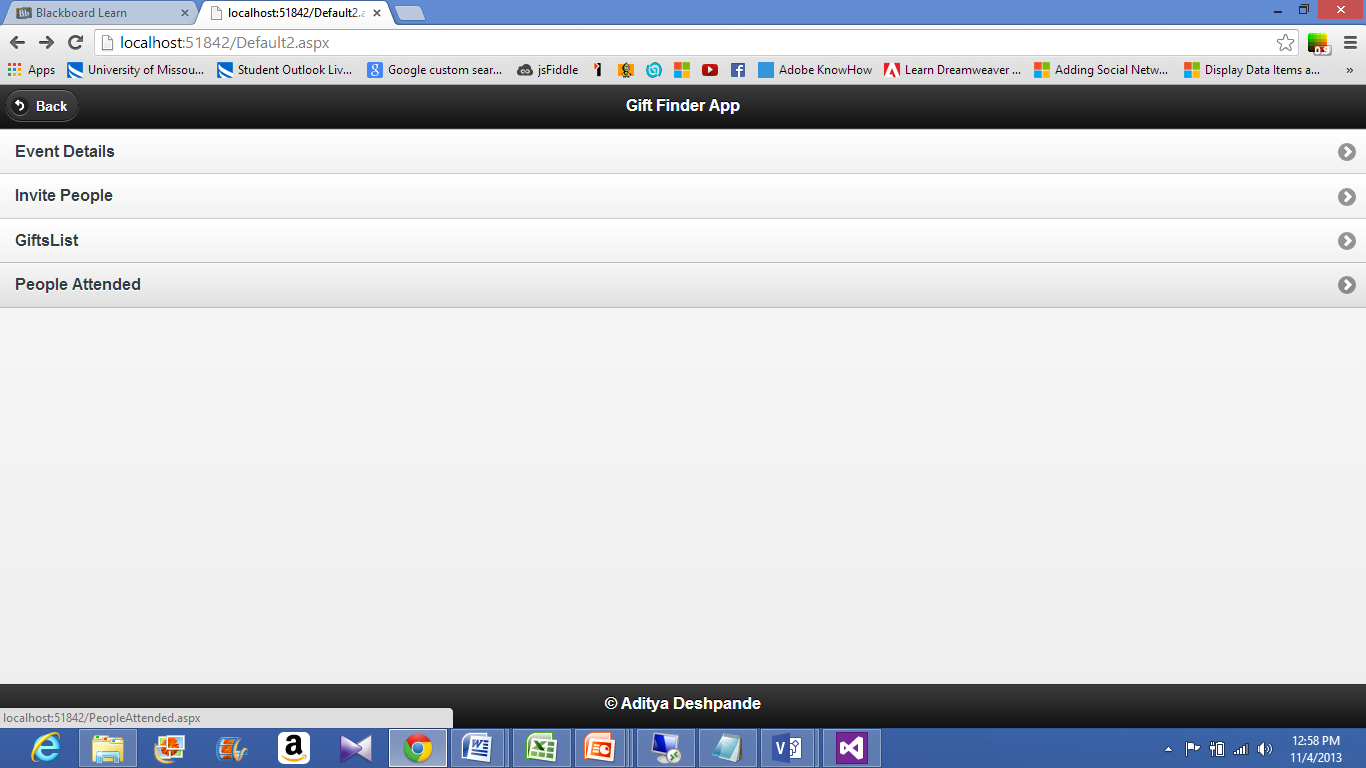


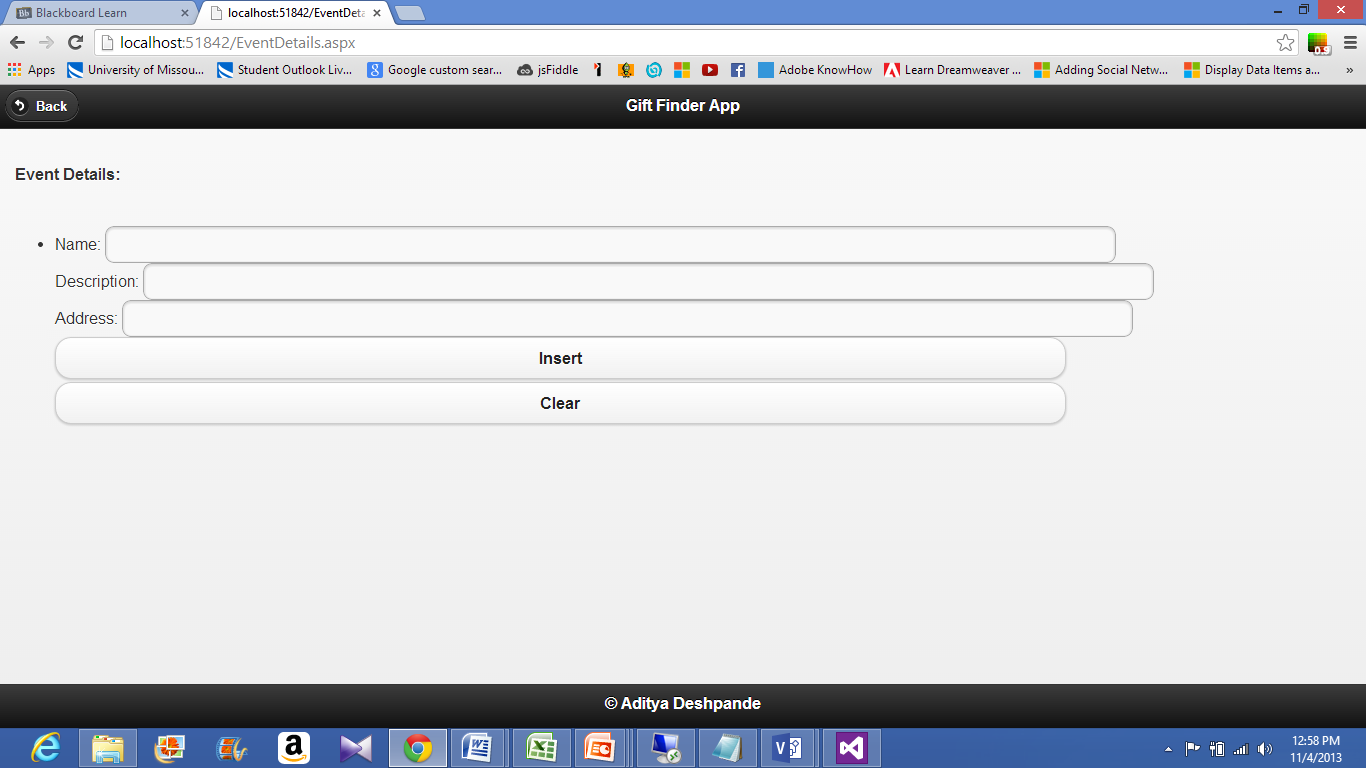
**3)Screen Shots of the features implemented:**

Note: I have assumed that default credentials **EmailId="admin"** and **password="admin"** for sender who would be sending invitations to his friends.

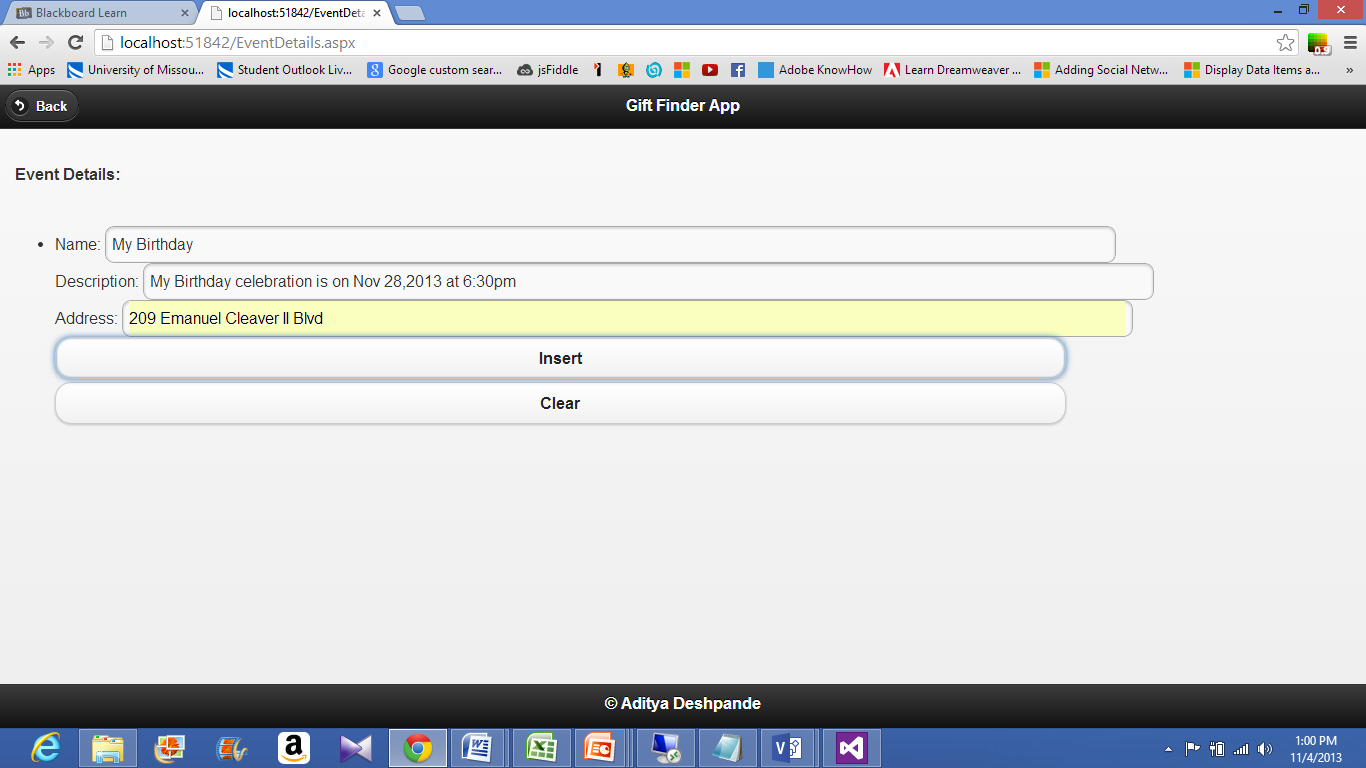
\***Sender can login into the application with his default credentials and can manage event details like adding, updating and deleting event details(event name,address,description)**

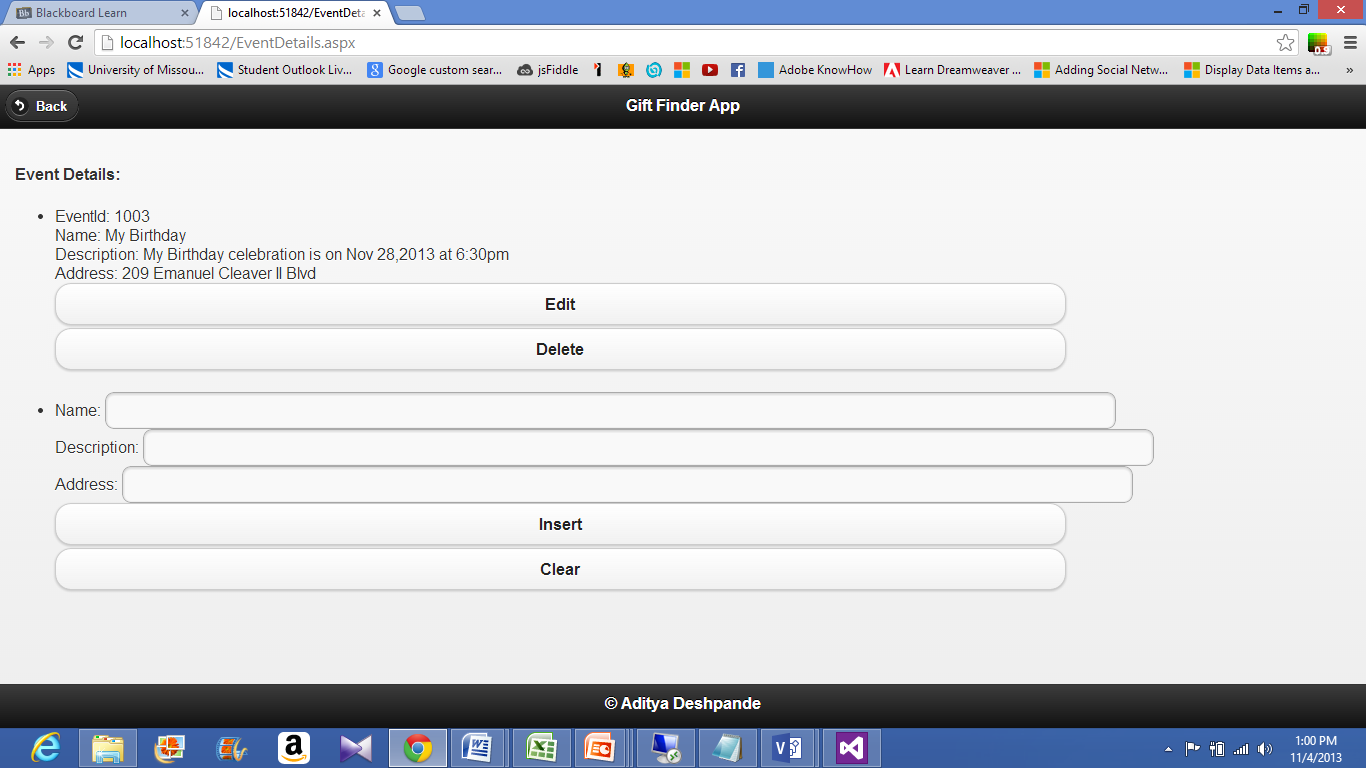




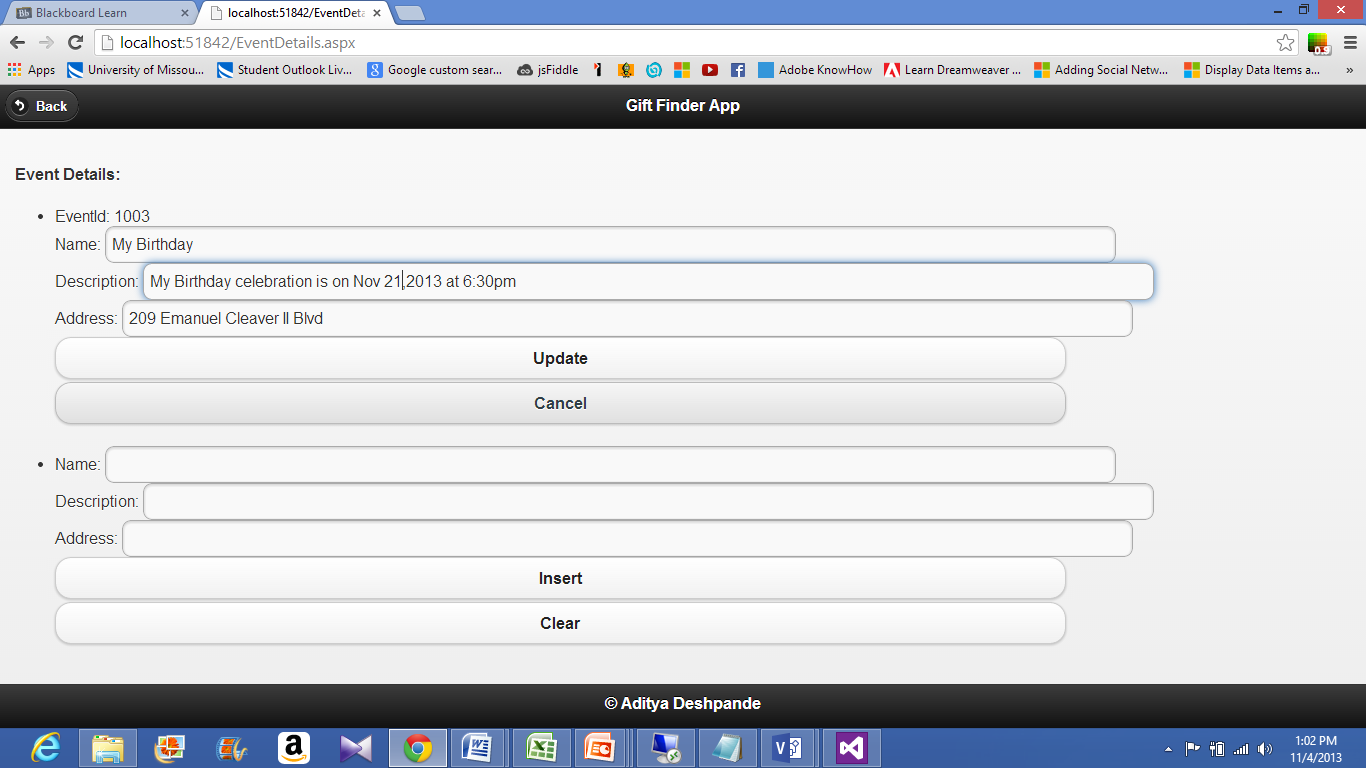


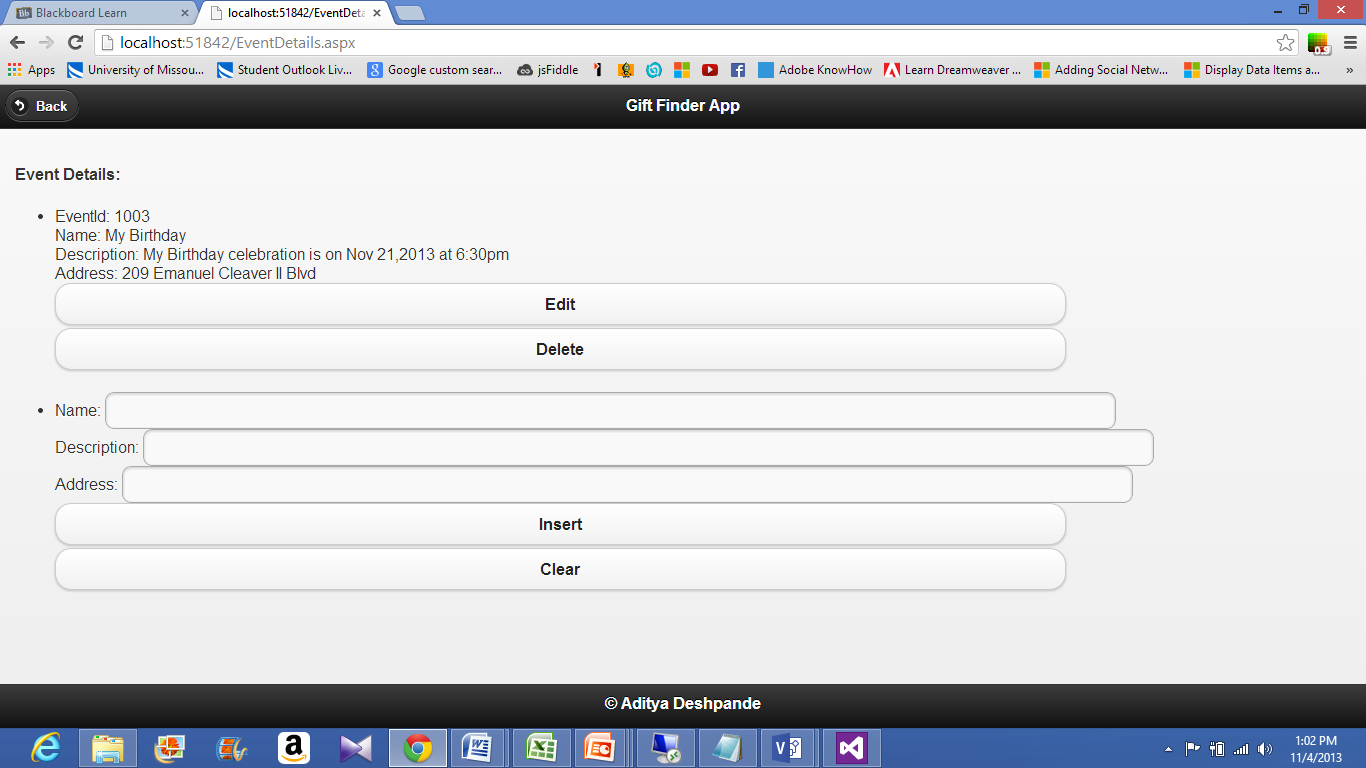
Add Event:



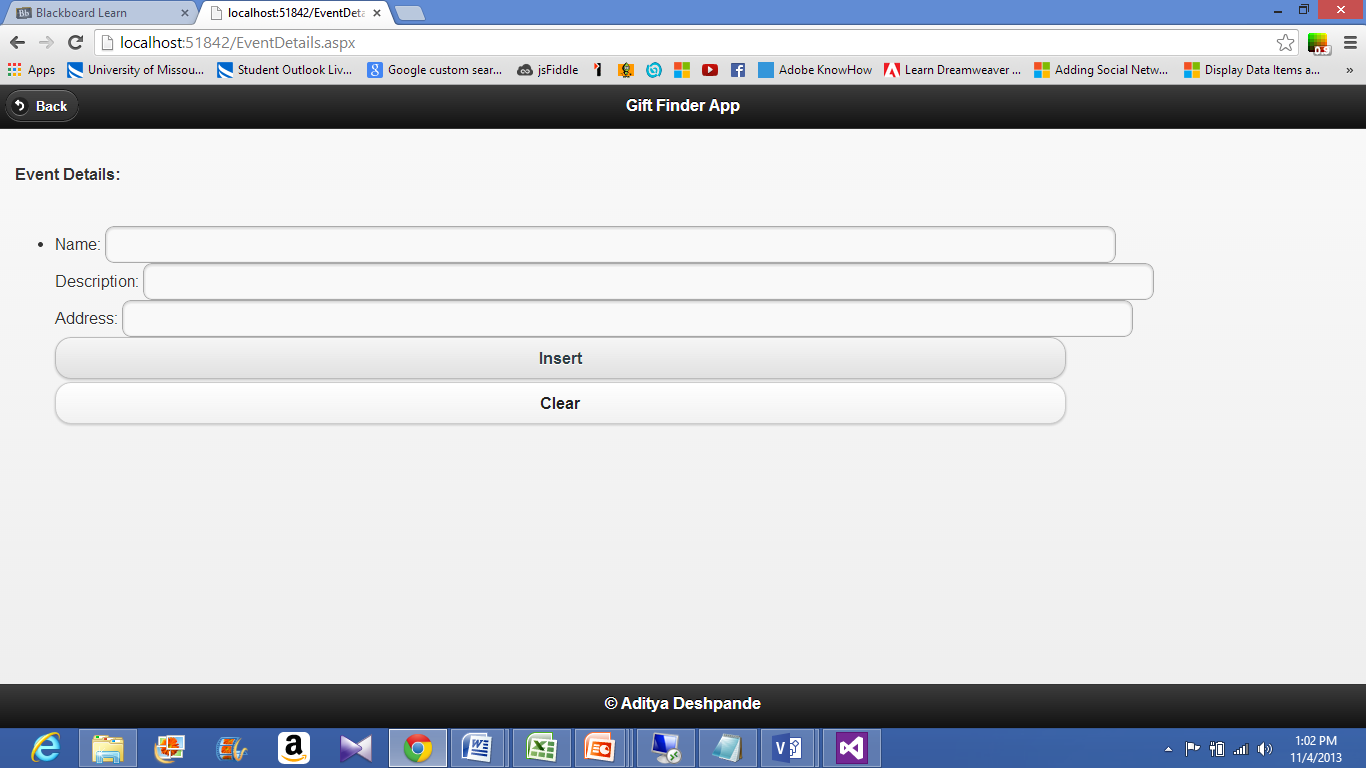


Update Event:

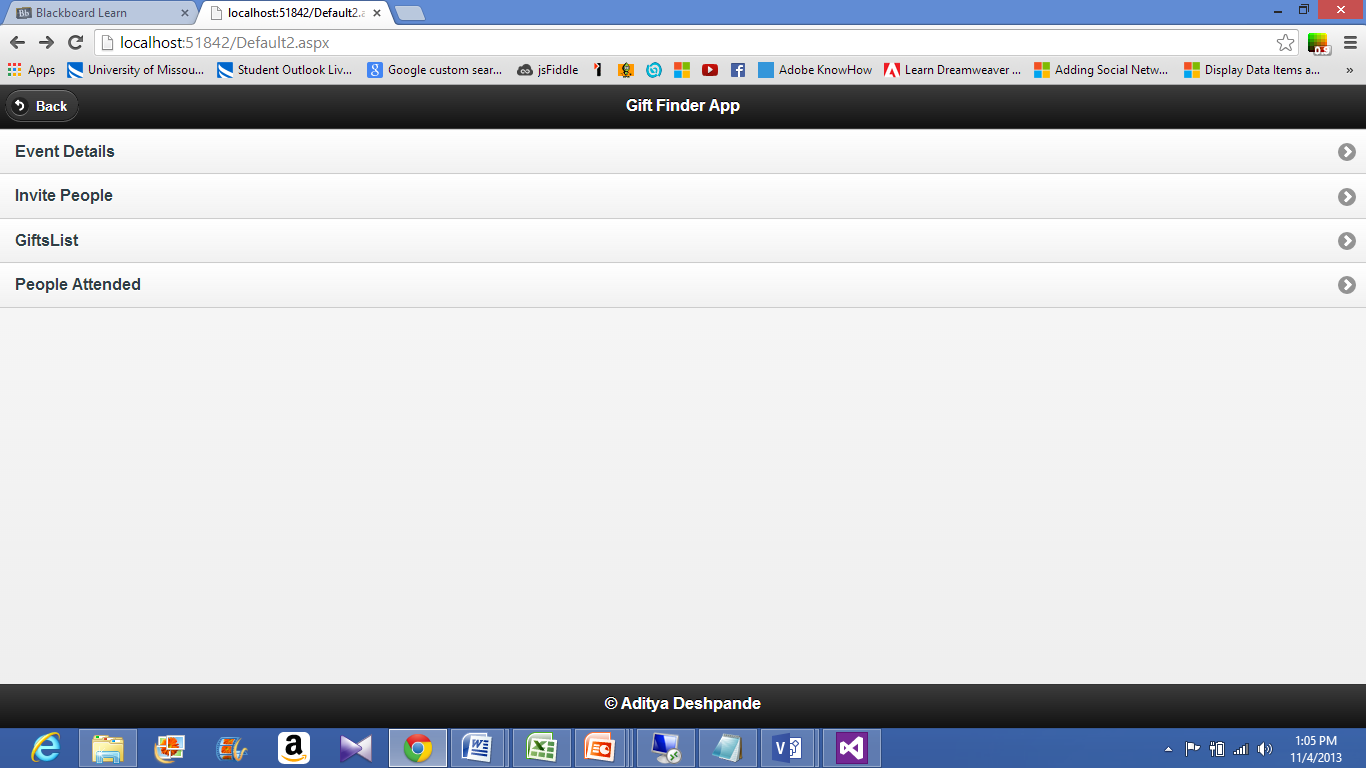


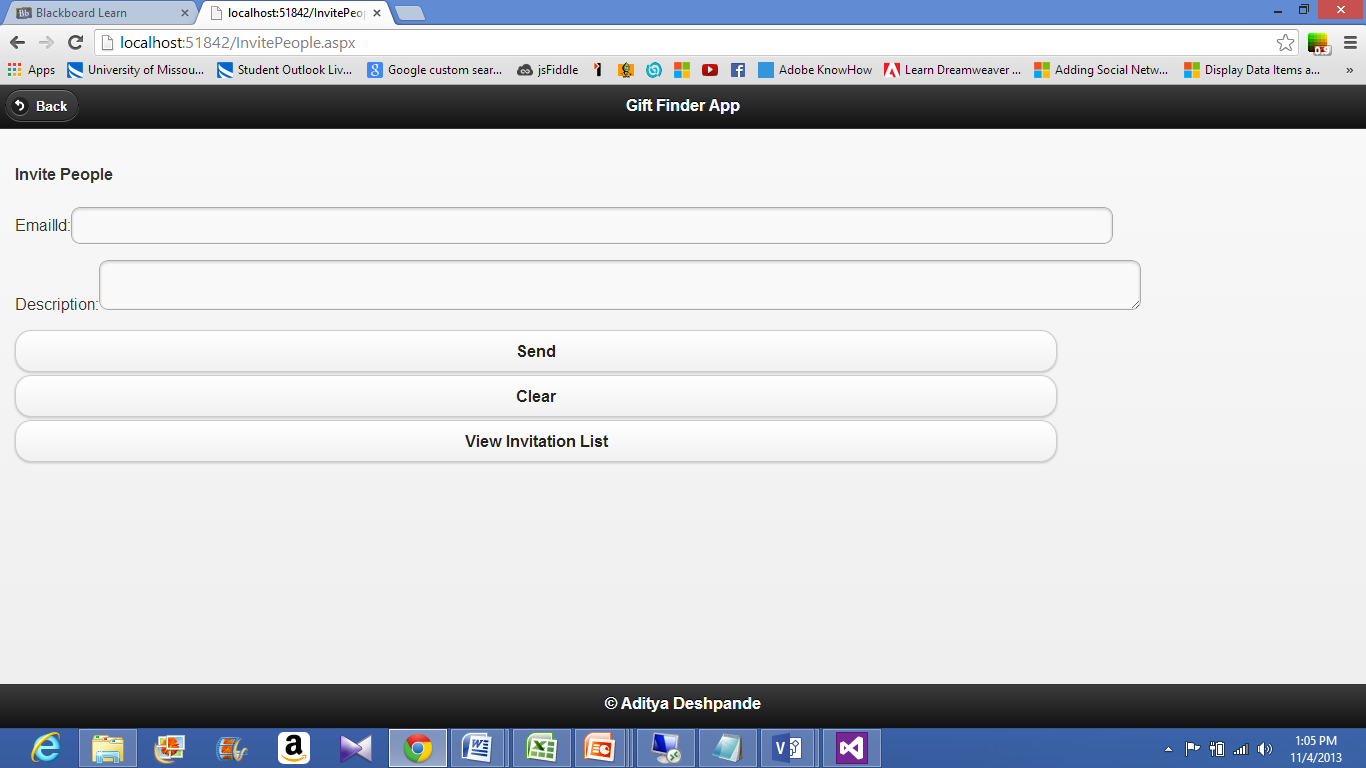


Delete Event:

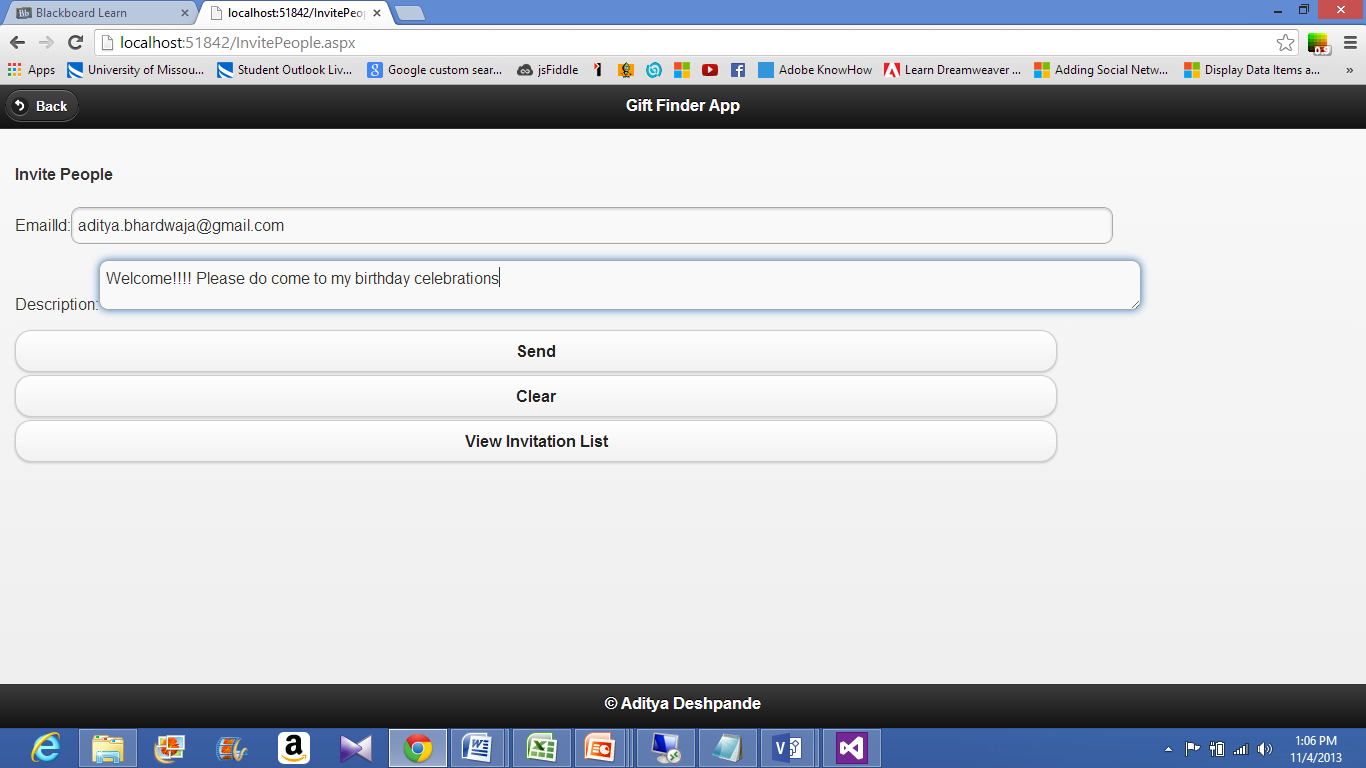


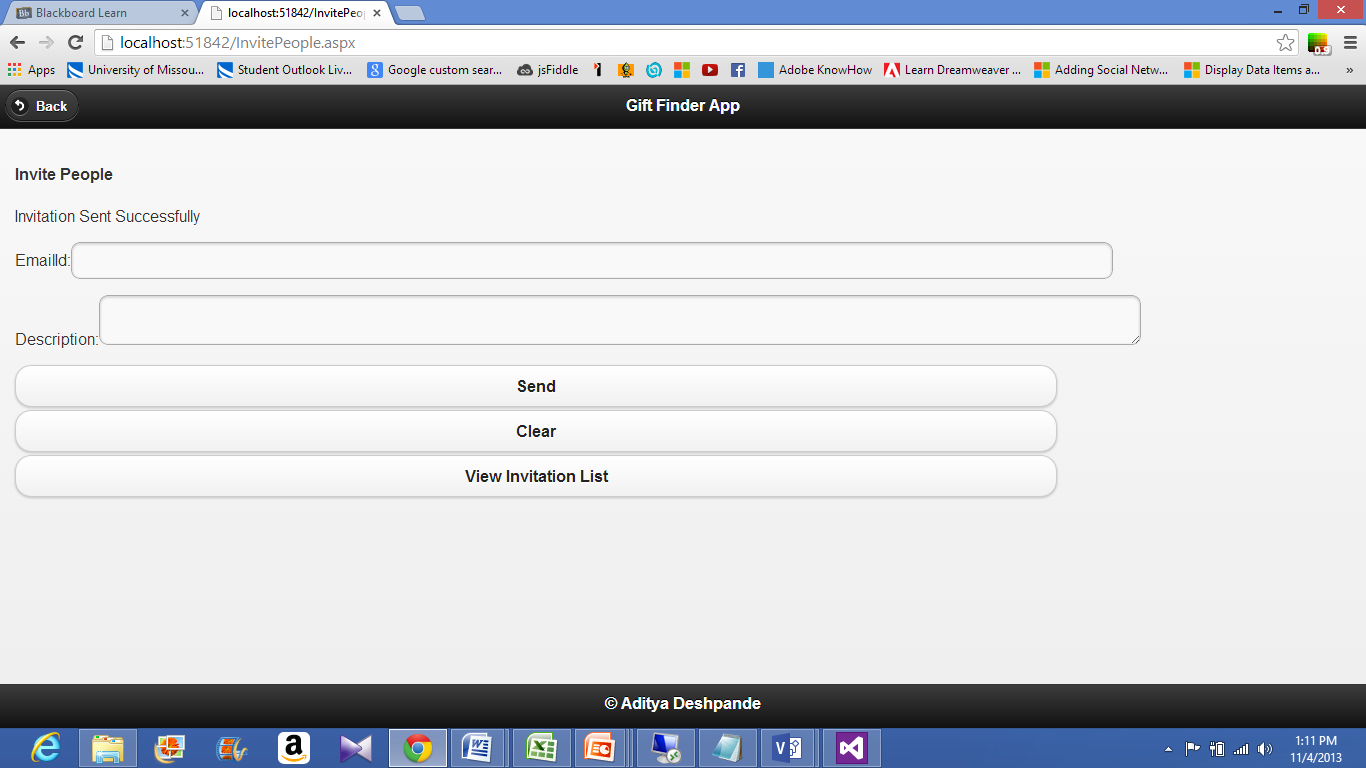
\***Send Invitation to people through Email**



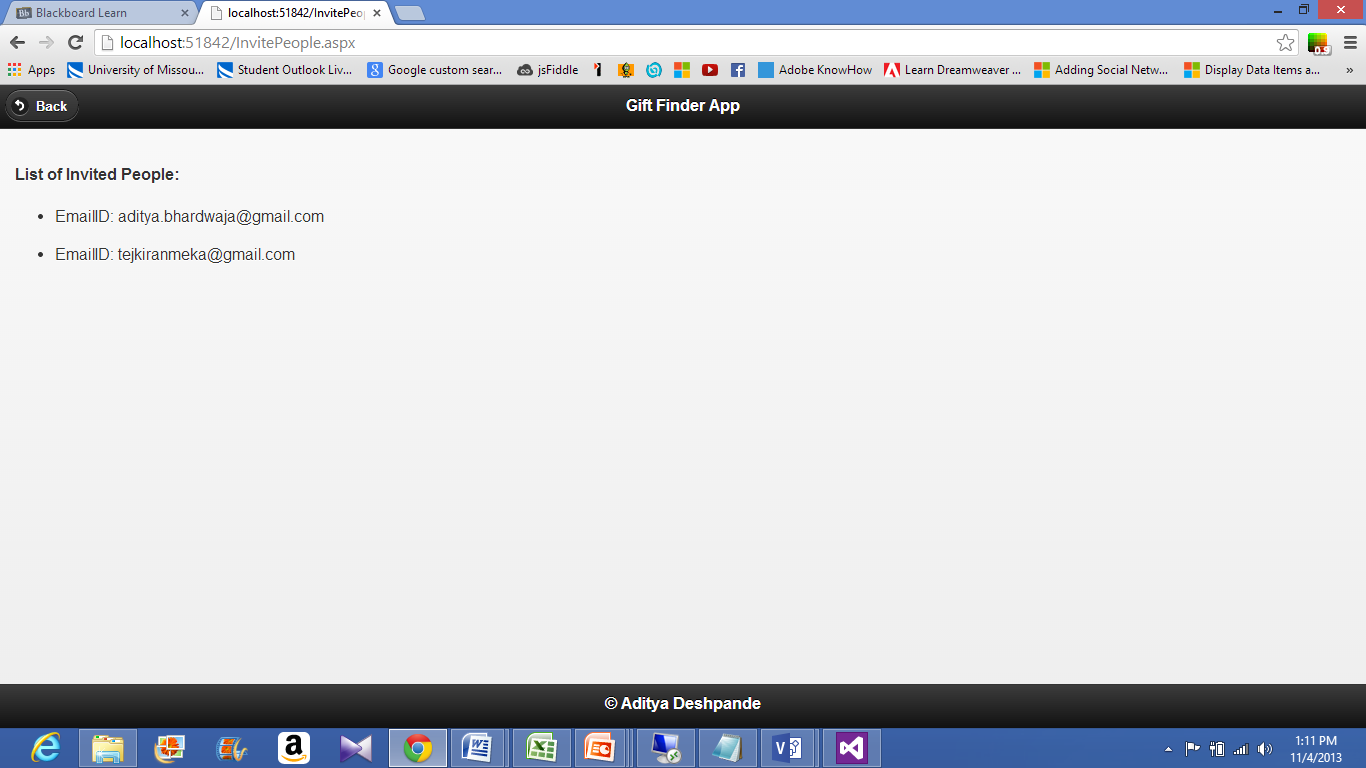


Enter EmailId,Description of event and click on Send

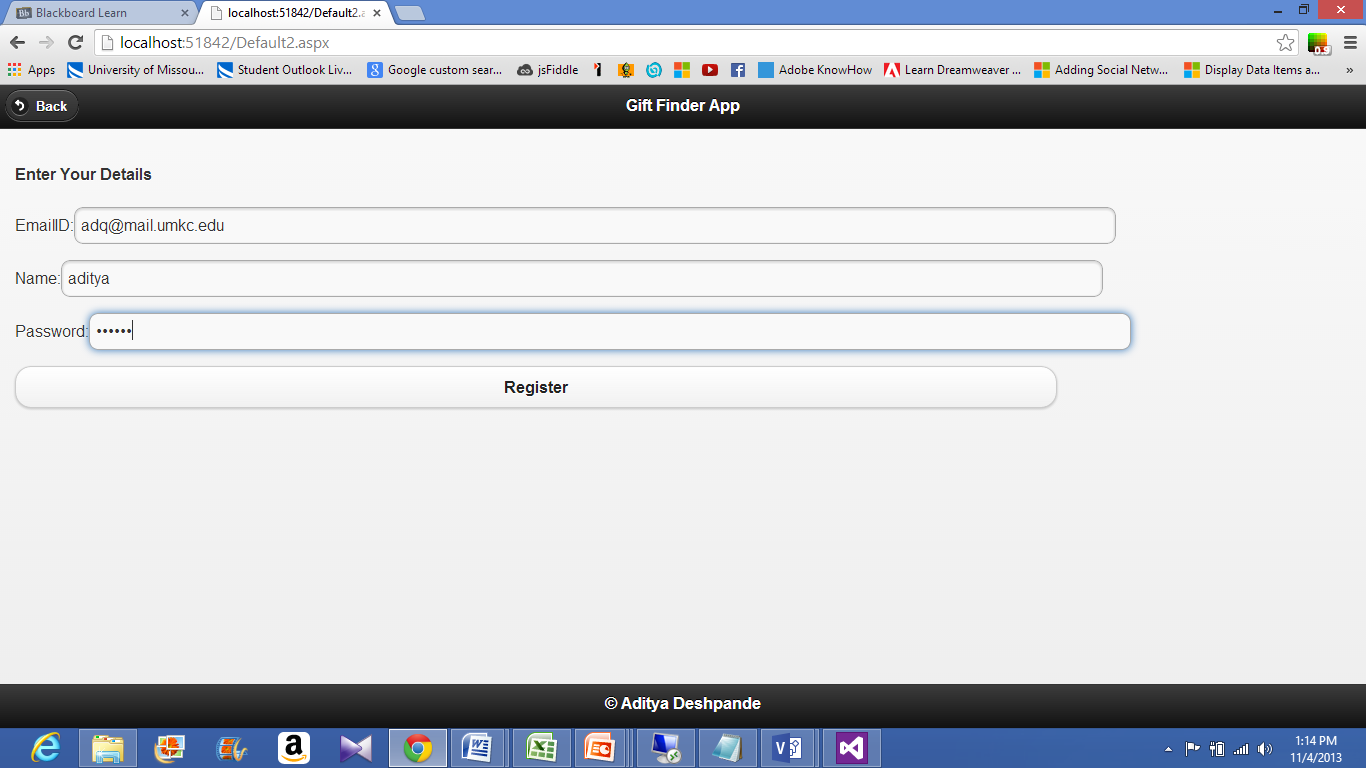


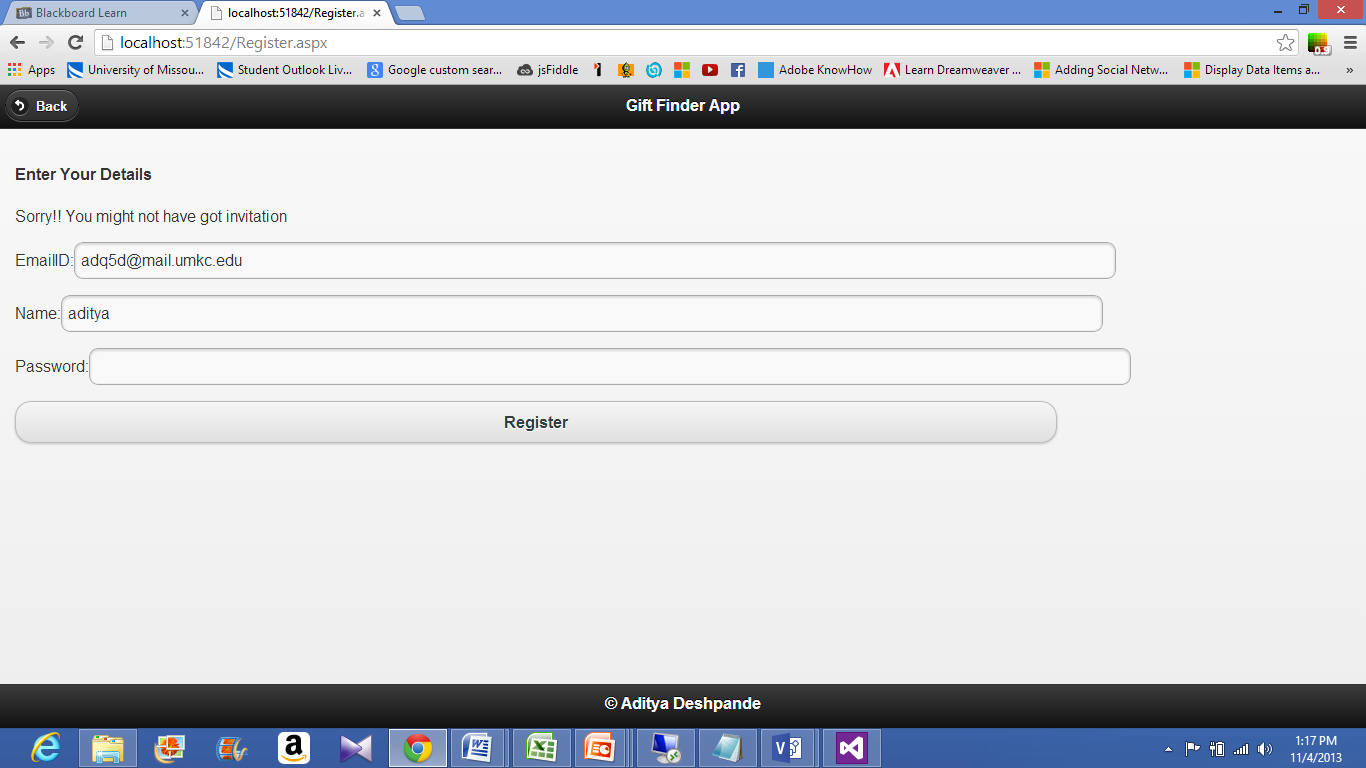


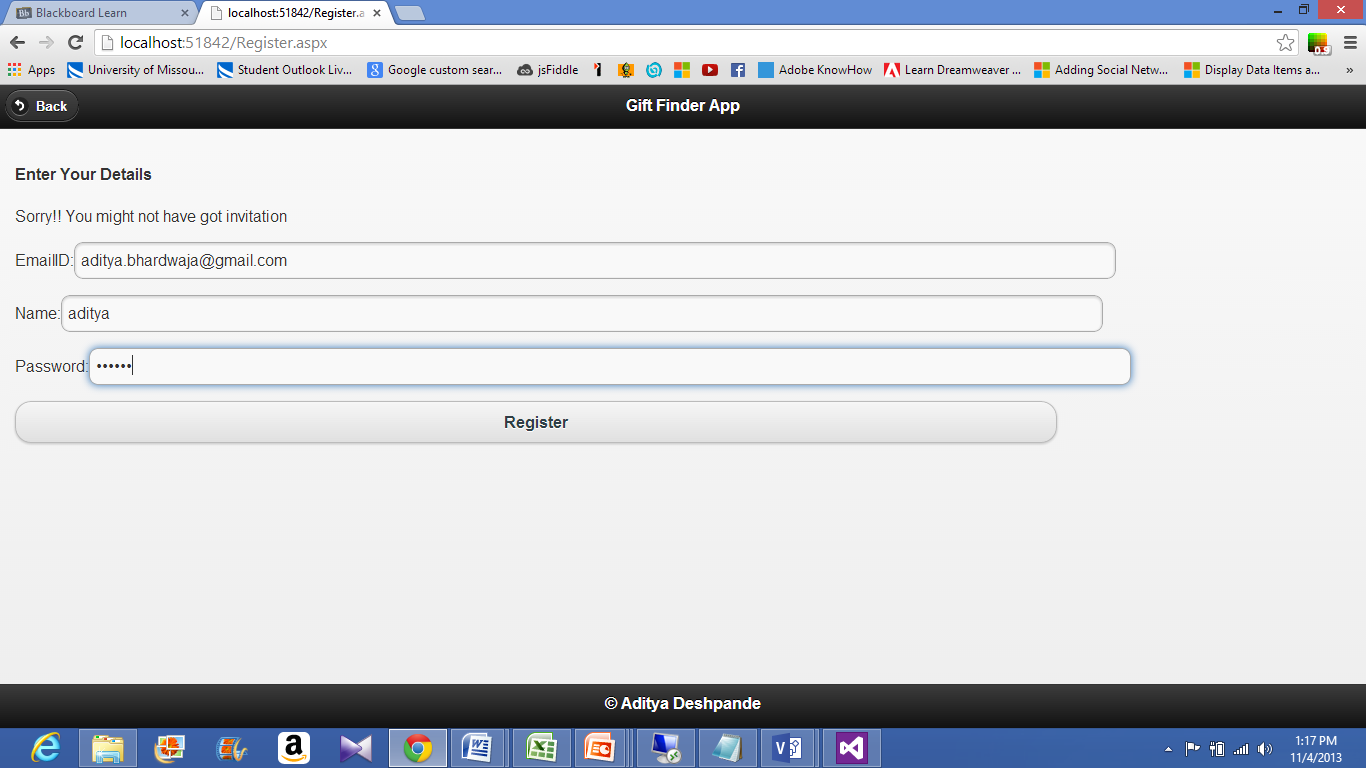
Click on View Invitation List to check the list of invitees

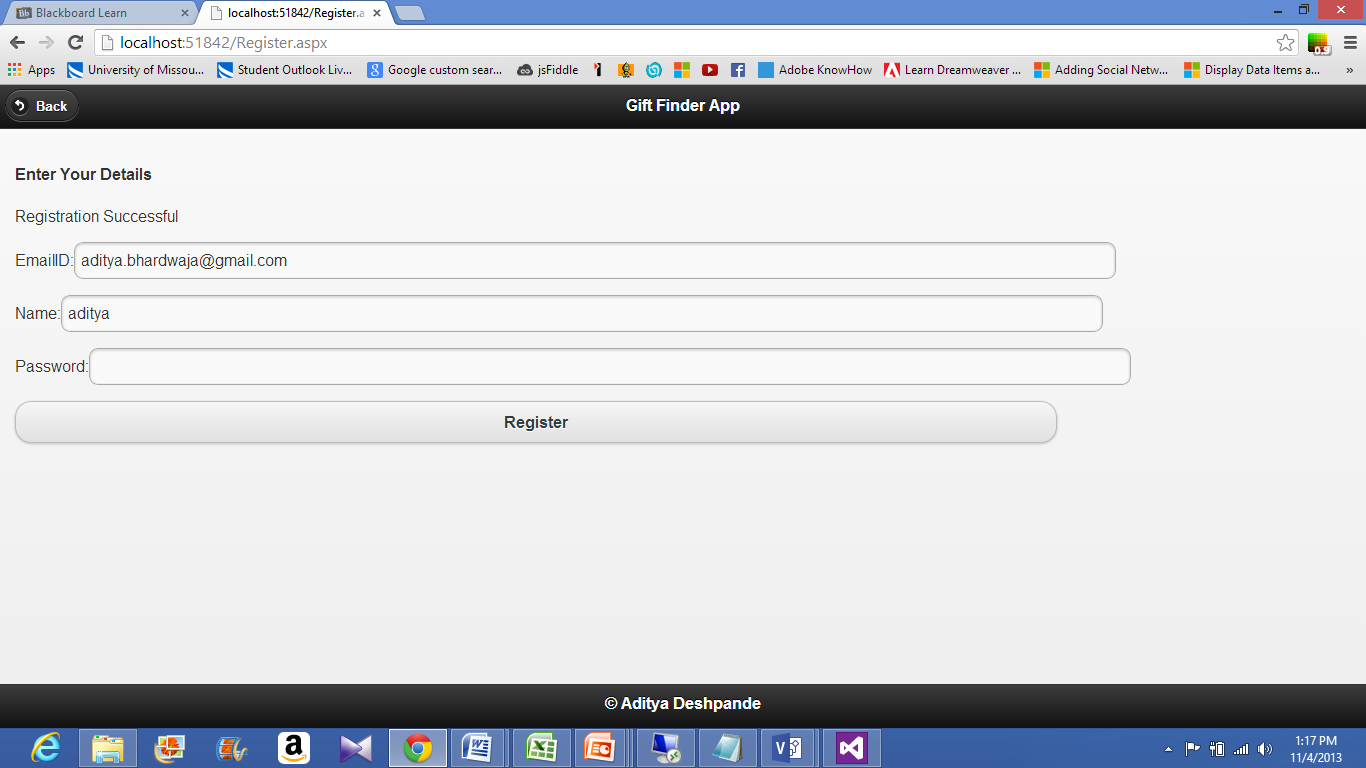


\***People who received an email can only register**

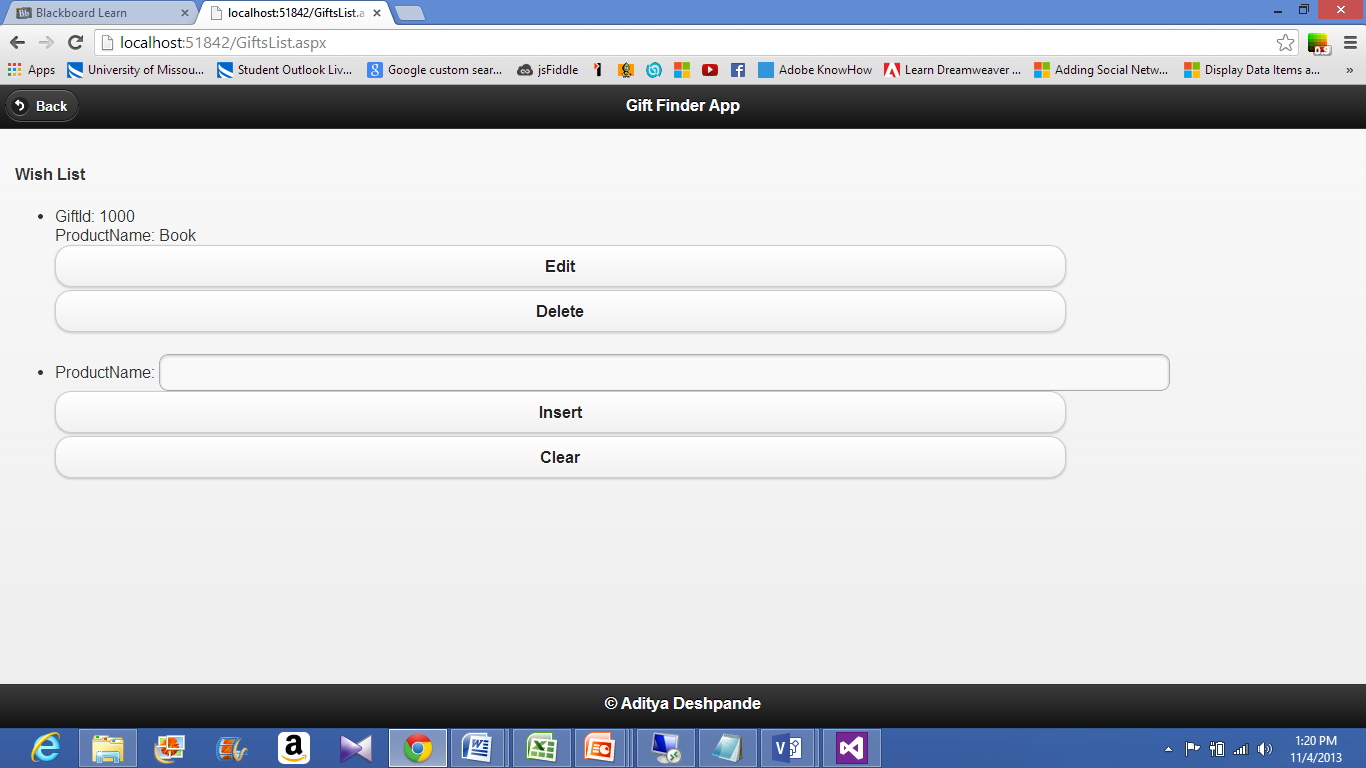


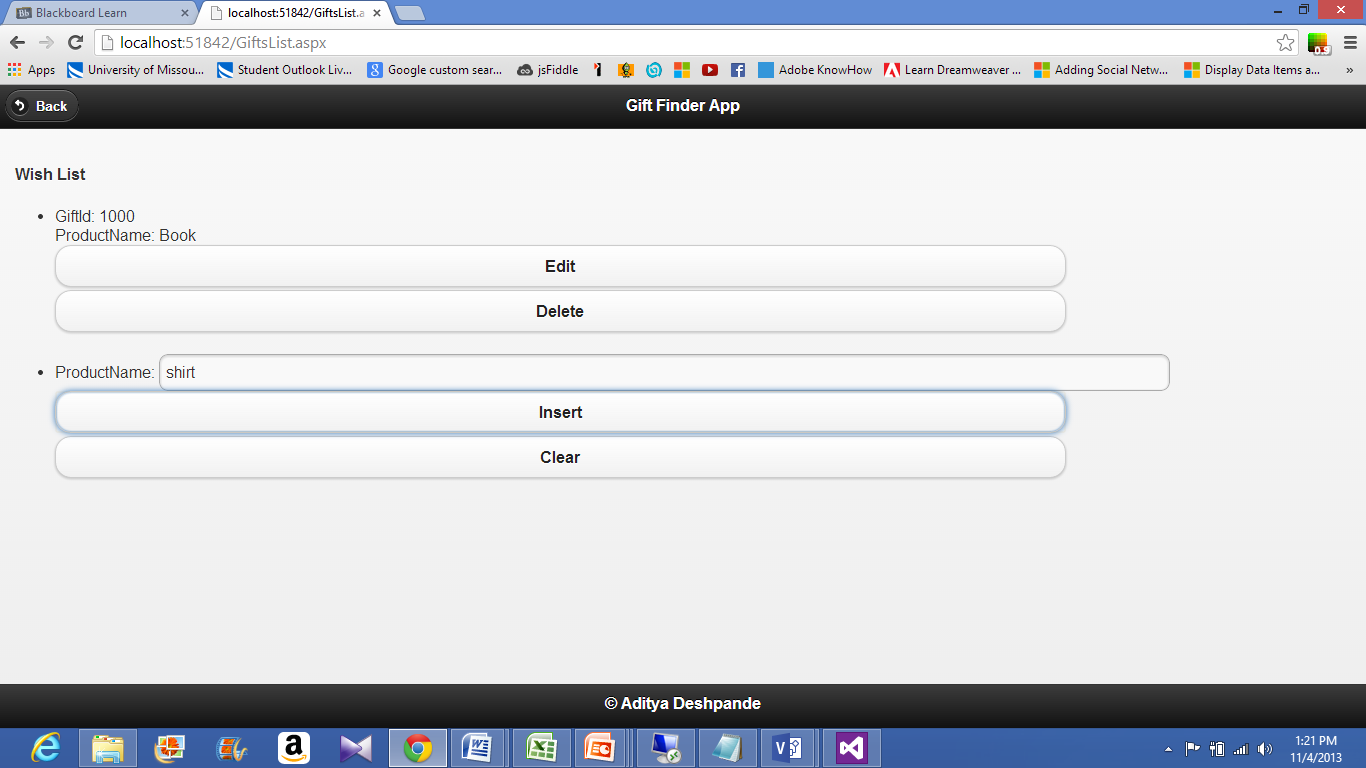


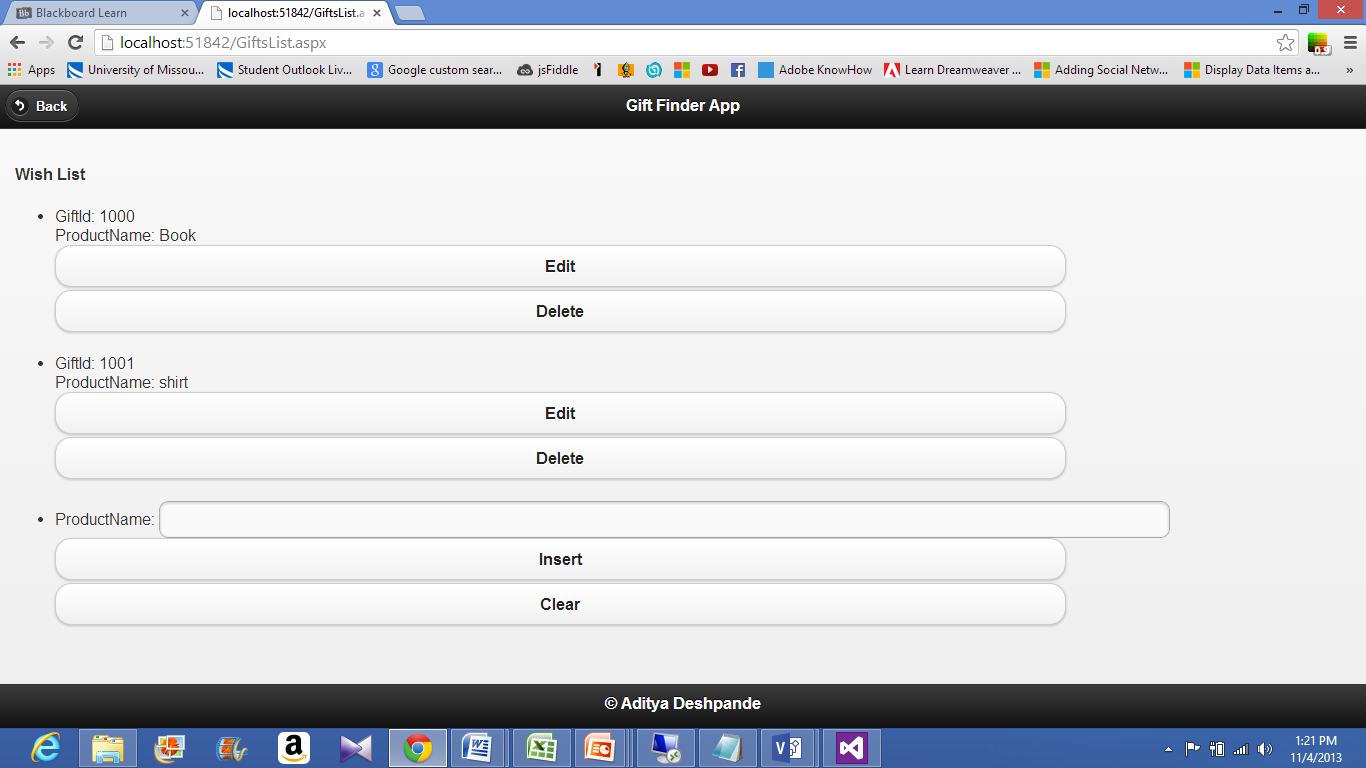


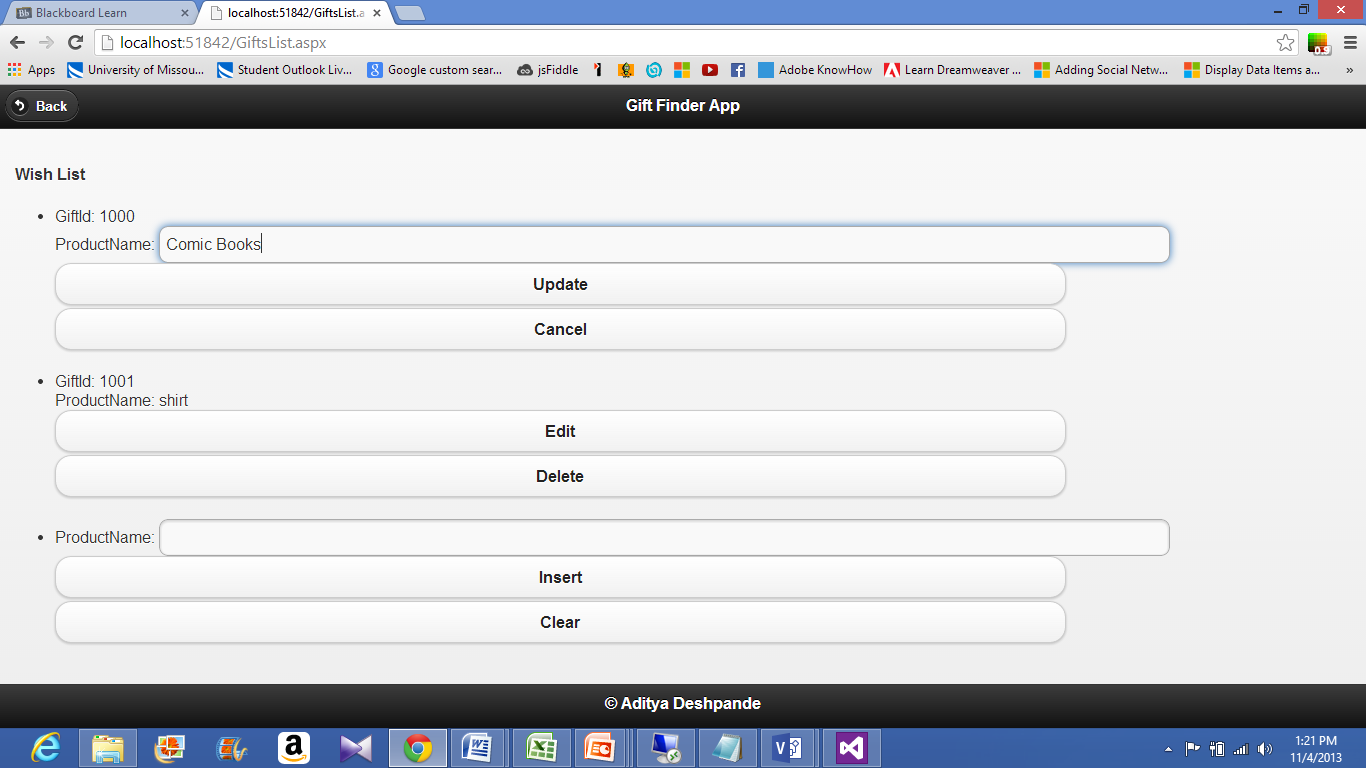


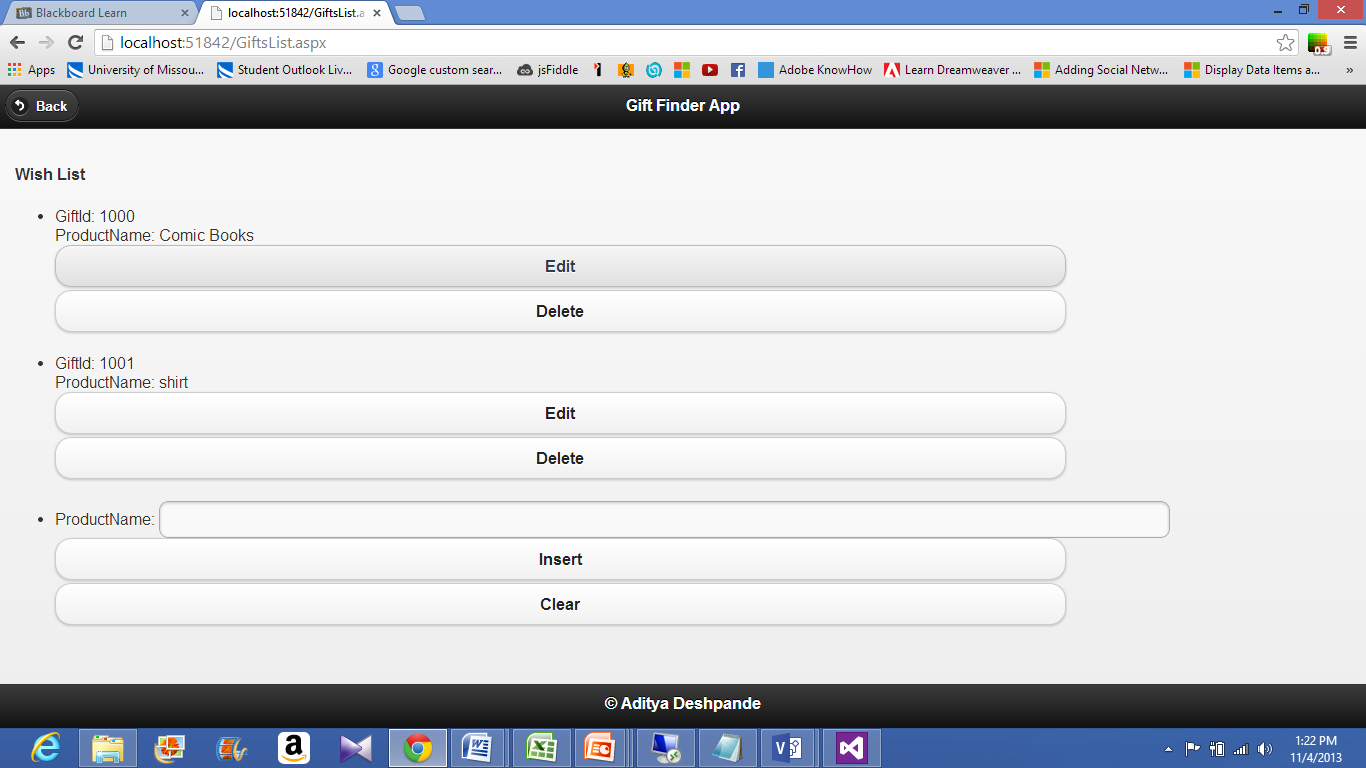
\*User can Add/update/delete Gift List



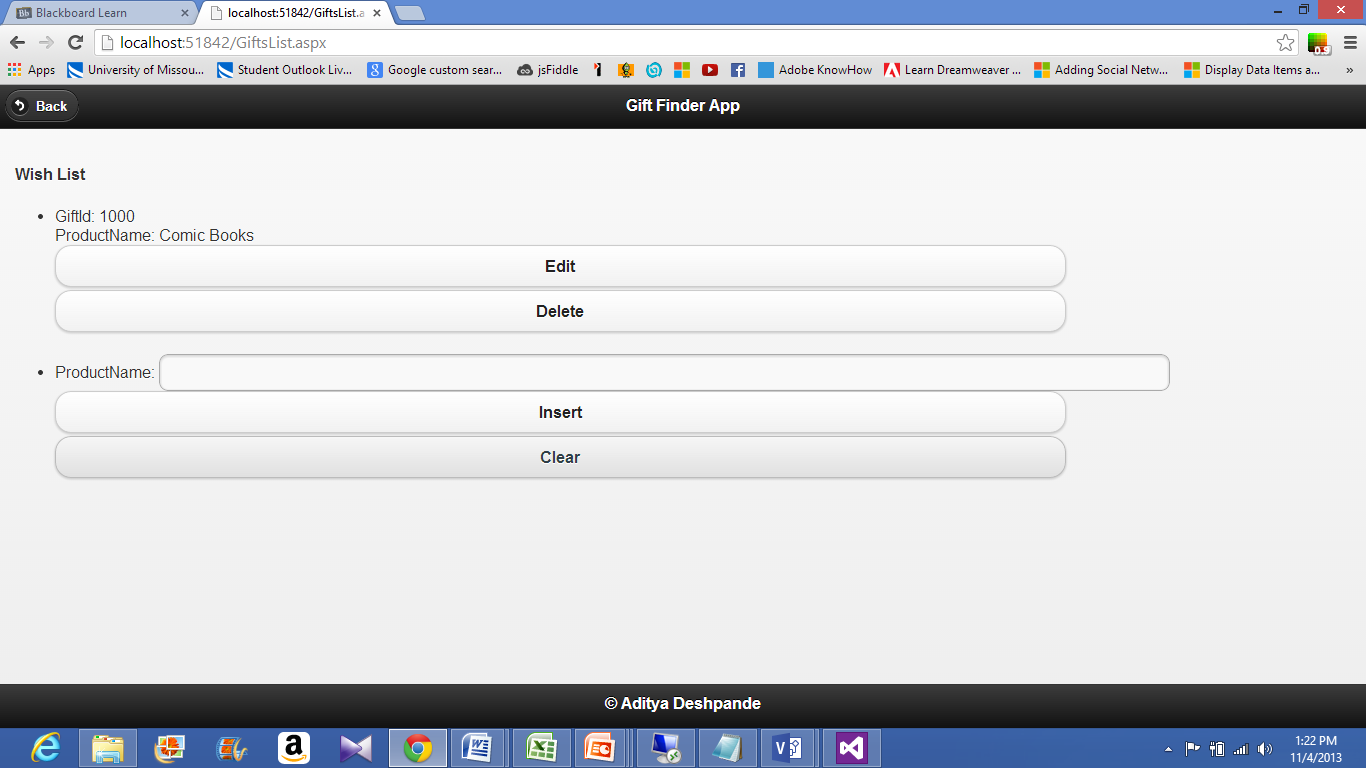




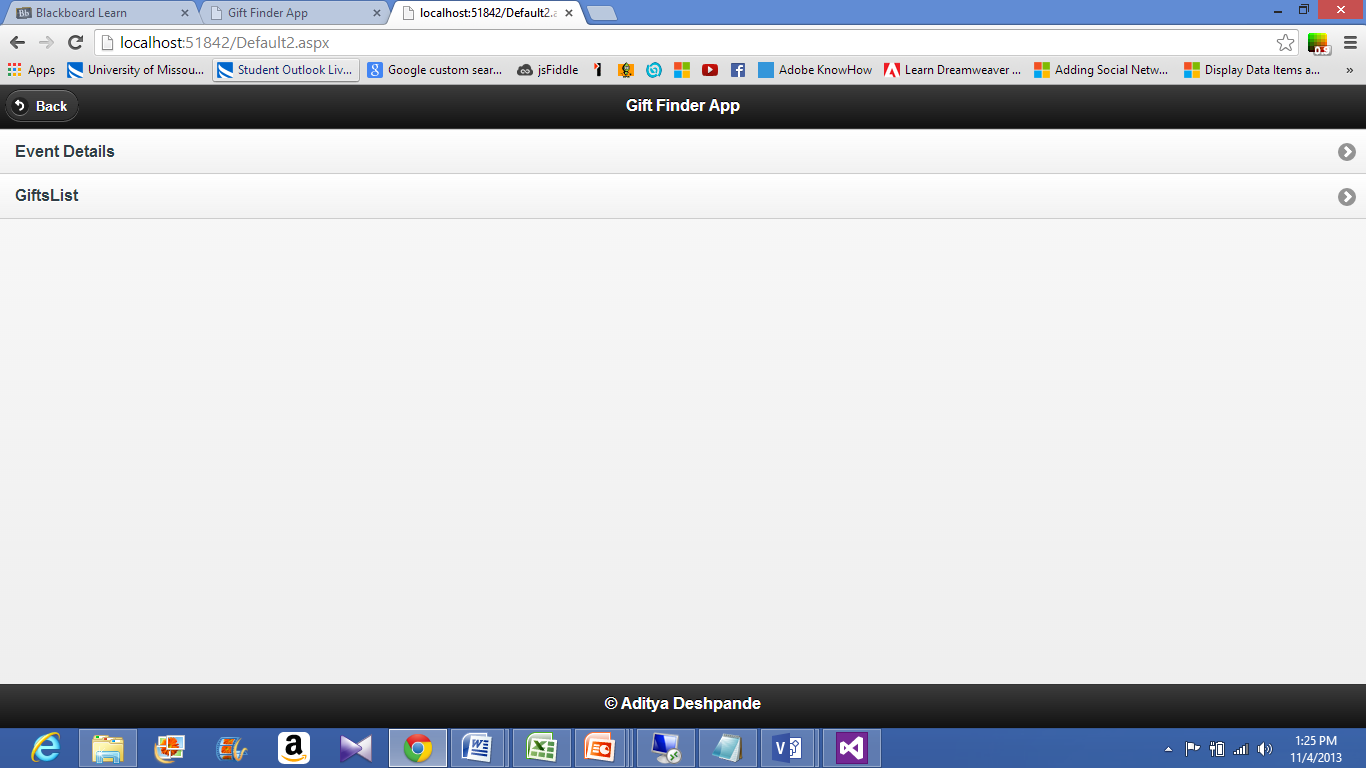


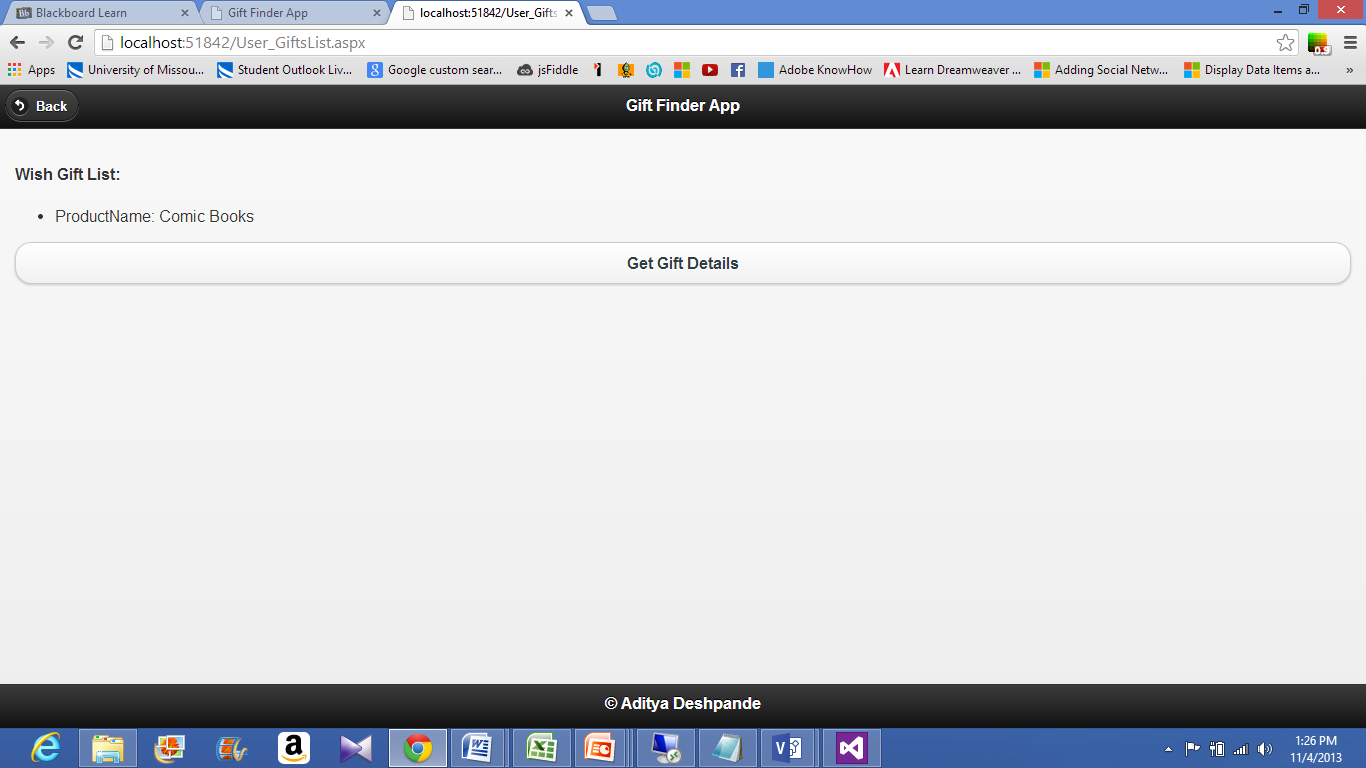


Delete:

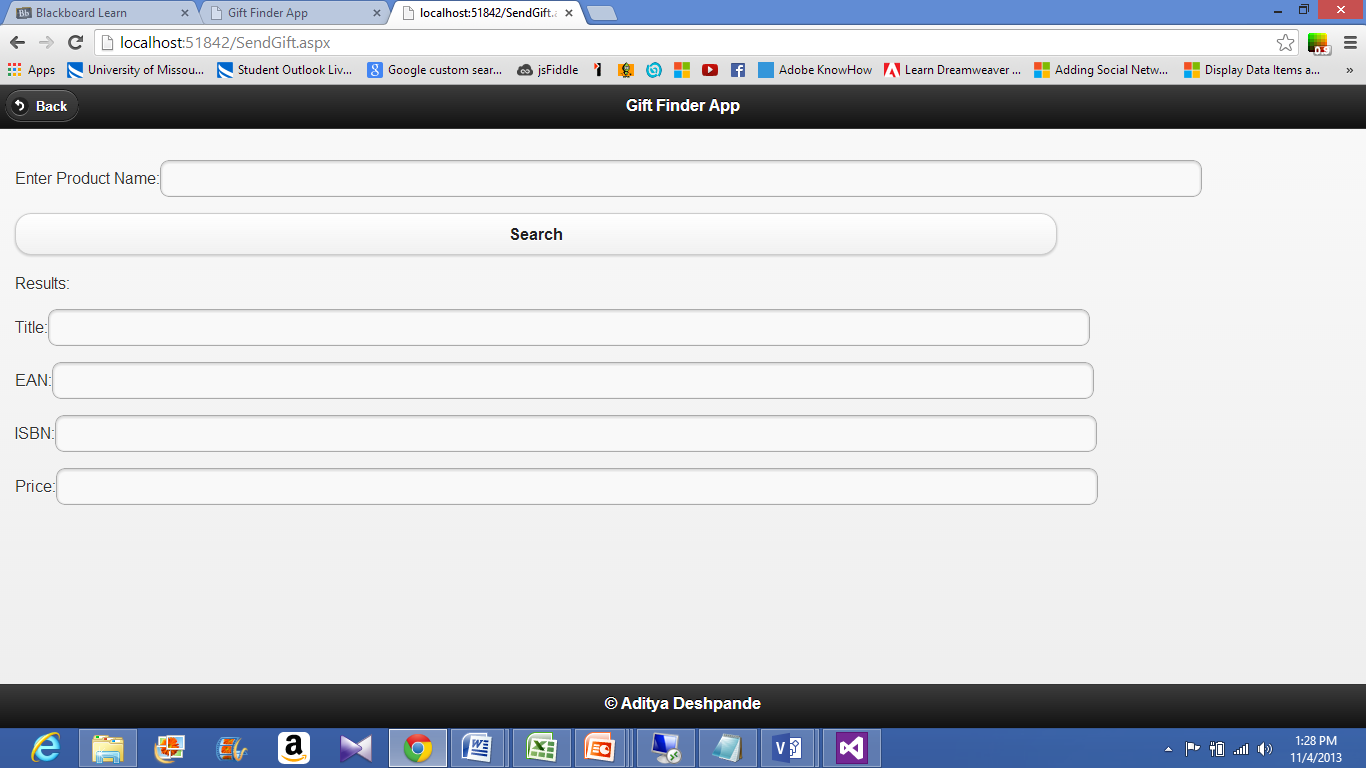


\***Invitees can View the GiftList after logon**





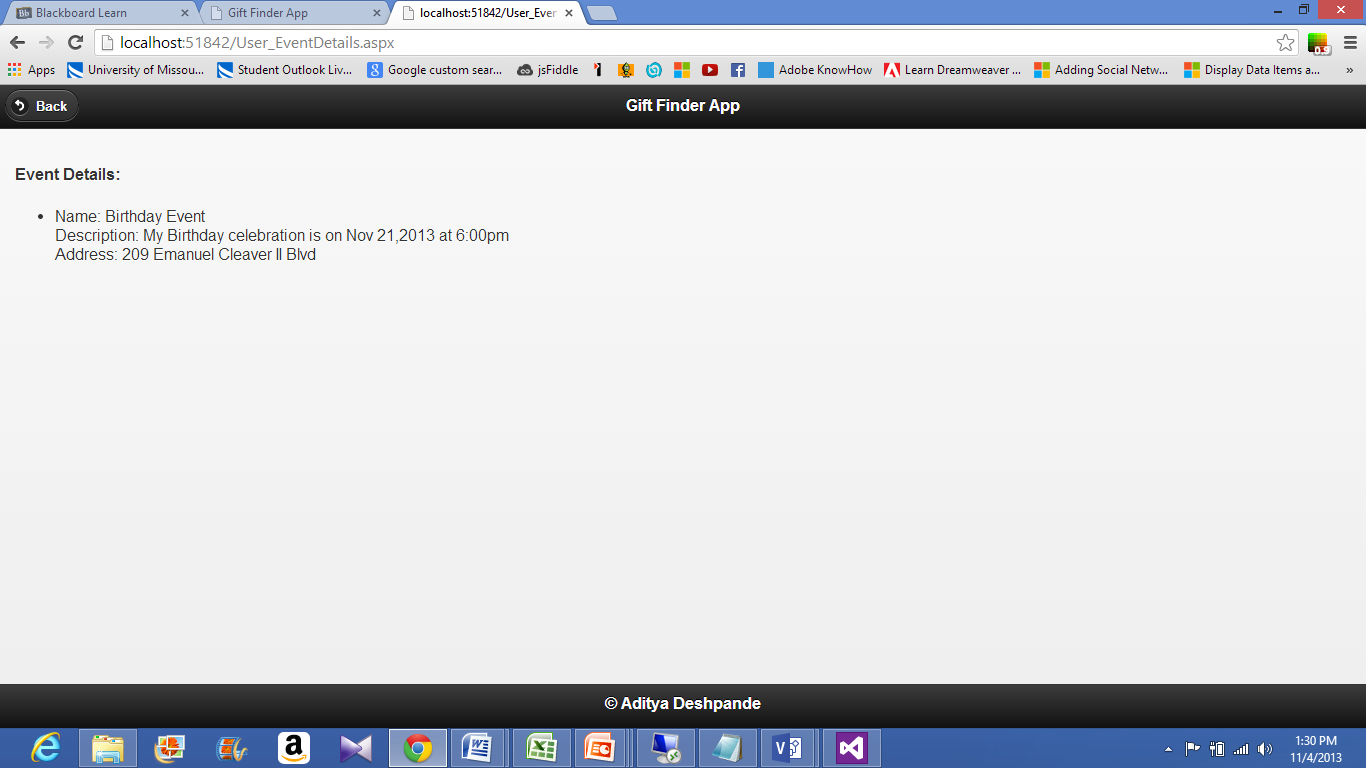
**\*Invitees can get gift details like ISBN,price by clicking "Get Gift Details button"**

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Enter product name and click on search

Implemented Amazon Advertising API to get the details

**\*Invitees can check the Event Details after Logon**

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**Limitations:**

* Set default credentials for sender.(need to make it dynamic)
* Searched the product based on Product name but not on barcode number
* Stored only product name but not product image with barcode

**References:**

<http://www.codeproject.com/Articles/37618/Hello-Amazon-Making-a-first-request-to-the-Amazon>

[http://www.codeproject.com/Articles/](http://www.codeproject.com/Articles/37618/Hello-Amazon-Making-a-first-request-to-the-Amazon)