**Requirements Document**

Date Submitted: February 6, 2017

Application Title: DSEC Conference Application

Purpose: This Windows Application calculates total cost for attendees of conference.

Program Procedures: From a window on the screen, users will enter the amount of employees who will attend the conference with a maximum entry of 16, along with selecting a button specifying whether or not they have attended a previous conference. Program will calculate the total cost of attendance along with a discount depending on their previous attendance.

Algorithms, Processing, and

Conditions: 1) A picture graphic of programmers will be displayed always.

2) User will enter the amount of tickets (max 16) they need along with selecting a box stating whether or not they have attended a previous conference.

3) If a user enters 0 tickets or less or 17 tickets or more, a message box will appear asking the user to enter a number between 1 and 16.

4) After entering the amount of tickets needed along with selecting if they have attended a previous conference, the application will calculate the total cost of employees attending.

Notes and

Restrictions: 1) The user can clear all fields by tapping or clicking the “clear” button. The user can then enter new information.

2) If a user enters and invalid entry, a Message Box will appear which only gives the option “OK” which clears all boxes and resets the form.

Comments: Photo pulled from Google.

**Use Case Definition**

1. Windows application opens
2. The user enters the number of tickets they need (max 16).
3. The user selects “yes” or “no” depending on if they have attended a previous conference.
4. The user taps or clicks on the “calculate” button
5. The program displays the total cost for the employees attending the convention.
6. The user can tap or click the “clear” button to clear all fields and enter new information.

**Event Planning Document**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Program Name** | **Developer** | | **Object** | | **Date** |
| DSEC Conference Application | Lisa Kilker | | To calculate the total cost to attend an event. | | February 6, 2017 |
| **Object** | | **Event Trigger** | | **Event Processing** | |
| btnCalculate | | Tap or Click | | Displays total cost to attending the conference. | |
| btnClear | | Tap or Click | | Clears text box  Sets radio button to “no”  Dims the “calculate” button  Hides the label “Total cost for attendees”  Hides the label “Total Cost” | |
| MsgBox | | Tap or Click “OK” | | Clears text box  Sets radio button to “no”  Dims the “calculate” button  Hides the label “Total cost for attendees”  Hides the label “Total Cost” | |
| txtNumberofAttending | | Enter a Number | | Illuminates the “Calculate” button | |
|  | |  | |  | |