# Directions & Deliverable

In this lab exercise, you will build a user survey application using any .NET UI technology (Windows Forms, ASP Web Forms, ASP Razor Pages) and ADO.NET. The qualitative survey questions will be provided for you. You are responsible for the entire application, from the underlying database design to the user front-end. Submit your work to Blackboard in a ZIP file by the due date specified. The following deliverables are required:

1. ERD for the database design
2. Visual Studio project
3. Screen shot of your user interface displaying the survey
4. SQL statement and screen shot that shows the contents of survey submission(s).

#### Description

The BicyclesStores Corporation would like to deploy a qualitative survey using a .NET technology for the front and back-end. The purpose of the survey is to gather information from prospective francisers for incorporating their bike shop into a BicyclesStores franchise in their city. This application/database will be separate from their product and customer database management system. The survey requires the respondant’s contact information and it contains open-ended survey questions. Your data model should tie the respondant’s contact information with their responses so that BicycleStores Corporation personnel may follow-up with them individually.

**User Interface and Usability Requirements**

1. A respondant may not submit more than one survey. If a respondent tries to submit a subsequent survey, the application should provide a polite message and discard the data from their subsequent responses.
2. Ensure that survey does not submit and record unless all required data and questions have been answered. Provide any user hints or messages as needed to alert the user that there is unanswered data.

**Survey**

**Date**: (generated by your database or application)

**First** Name (required):

**Last** Name: (required)

**E-mail address**: (required)

**City**: (required)

**State**: (required)

**Question 1: (required)** If you were to characterize bike shops in general and come up with some basic categories for them, what might that look like? How would you describe your shop? How might you categorize this place? Would you say that this bike shop is high-end, more neighborhood or family focused, or do you serve a very specific clientele?

**Question 2: (required)** What role do you see a bike shop like this playing in the community? Is it more than just retail and service?

**Question 3: (required)** Do you host (or plan to host) any sort of community events based out of the shop (i.e., group rides, classes, demos, trail work, parties, etc.)? How do you think these events have/might benefit your shop? The neighborhood or community?

**Question 4: (required)** Do any of your regular customers come in just for conversation? Can you give me an example? Do they use the shop space as a hangout? To meet up before or after bike rides?

**Question 5: (required)** What do you think of when you hear the term ‘bicycle infrastructure’? What does that look like? Could you provide an example? Do you think bike shops could be thought of as a part of cycling infrastructure? Why or why not? What might that imply for a bike shop like yours?

**Question 6: (required)** What do you see as the major bicycle-related challenges or concerns for your customers/neighborhood? Are you or your shop engaged in finding a solution to this problem?

**Question 7: (optional)** Is there anything else you’d like to add?