

CSE 335 Lecture Activity #3
Table View Design: 15 Points

Name:.....

Prerequisite: Please review FruitTableDesignandImplementation.ppt slides, FruitTable MVC application video, FruitTableMVC application code, and FruitTableMVC.pdf (has the MVC architecture diagram)

Also, use a UML modelling tool to draw the class diagram. Hand drawn UML class diagrams will not be accepted. You can hand draw the MVC architecture diagram. If you are not familiar with a UML modeling tool, you can use **Astah UML Modeling Tool**. Please find a link below for the **Astah UML Modeling Tool**

Astah UML Modeling Tool Tutorials

<http://astah.net/tutorial#new-to-modeling>

Activity: Suppose you are designing a table view application that store names of the places (cities) you have visited and you are required to use the MVC architecture.. Each city should have the following information (This is what you will be implementing in lab 4 this week)

- a) Name of the city
- b) A Small description of the city.
- c) Image that represents the city

Table row should show the name of the city and the picture. Once the user select a city, a detail view will show more details about the city including the name of the city, picture and a small description.

While designing this type of applications, we need to design the objects and their relationships and the develop the MVC architecture communication structure before implementing. In this activity, you will be developing the class diagram and the design time MVC architecture diagram.

- a) Draw the object relationship (**class diagram**) that represents the design for the application (similar to the FruitTable design class diagram discussed in the class). No need to have all the methods and data identified. Identify at least one data member and one method for each of your classes. Clearly indicate objects belong to model and controller.
- b) Draw the **MVC architecture diagram** that represents the model/view/controller elements and their interaction. Include only major items in each of the above elements

Submission

Create a PDF document that has your answers to questions (a) and (b) above.