
Week 8 Class Diagrams

Group 5

Spreadsheet Application

Statements

In a spreadsheet application,

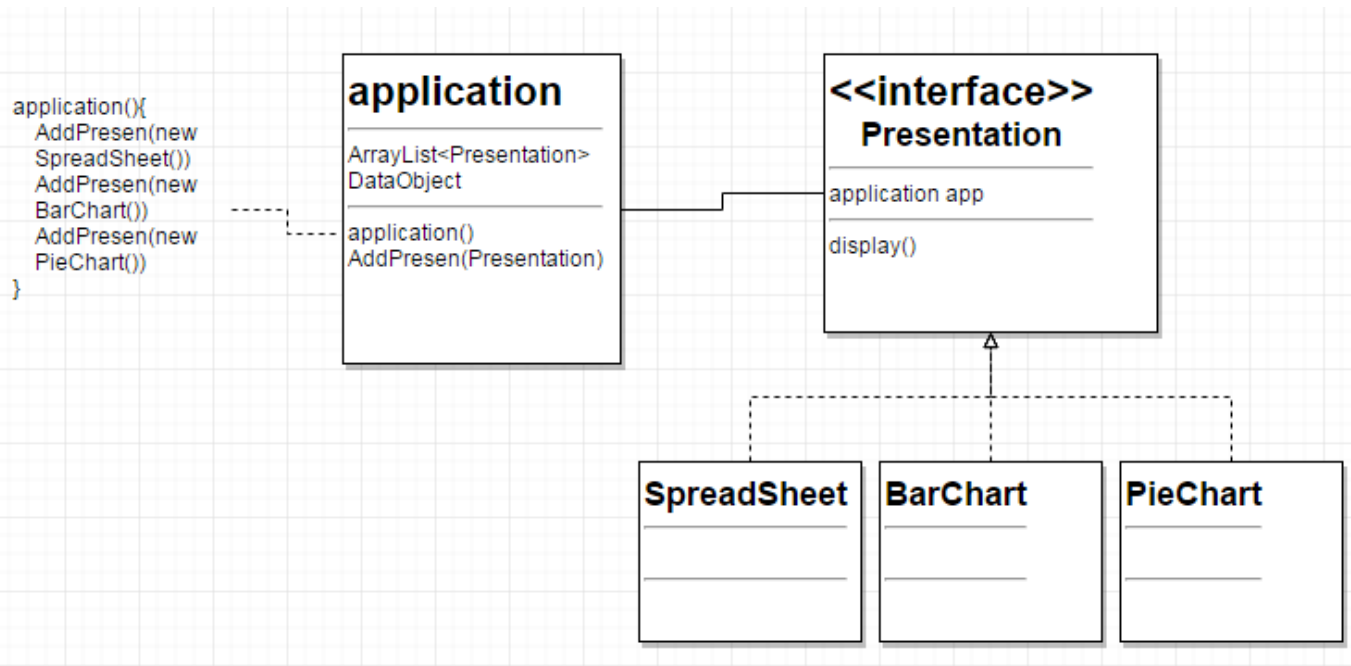
A spreadsheet object, bar chart object, and pie chart object can depict information in the same application data object by using different presentations.

When the user changes the information in the spreadsheet, the chart reflects the changes immediately, and vice versa.

Both a spreadsheet object and bar chart object can depict information in the same application data object by using different presentations.

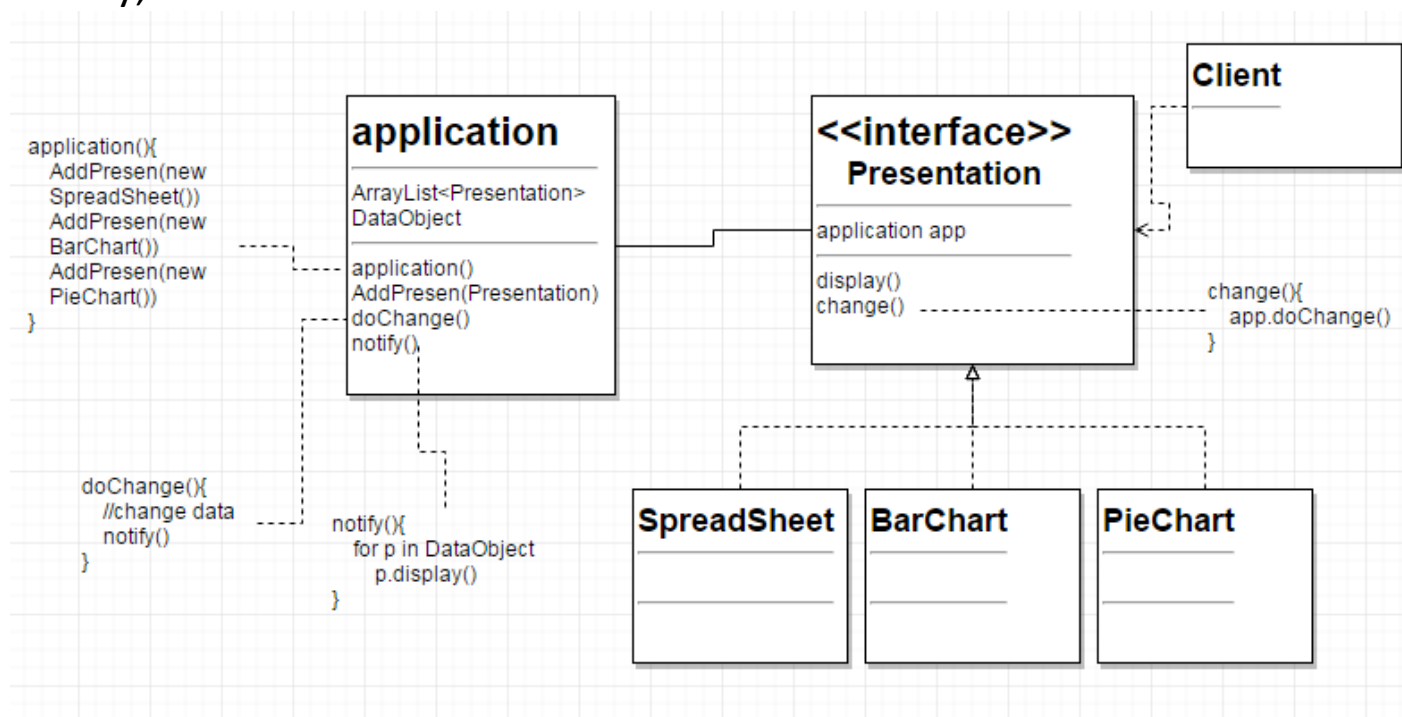
Spreadsheet Application₁

A spreadsheet object, bar chart object, and pie chart object can depict information in the same application data object by using different presentations.



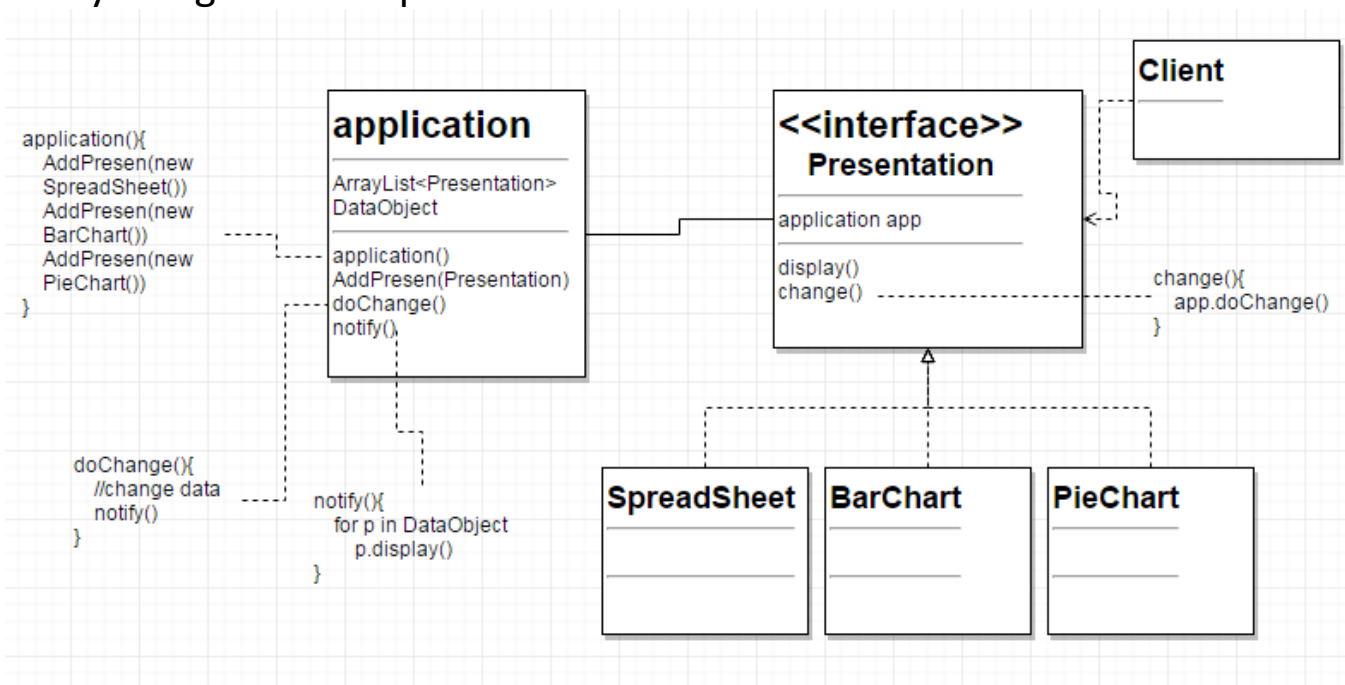
Spreadsheet Application₂

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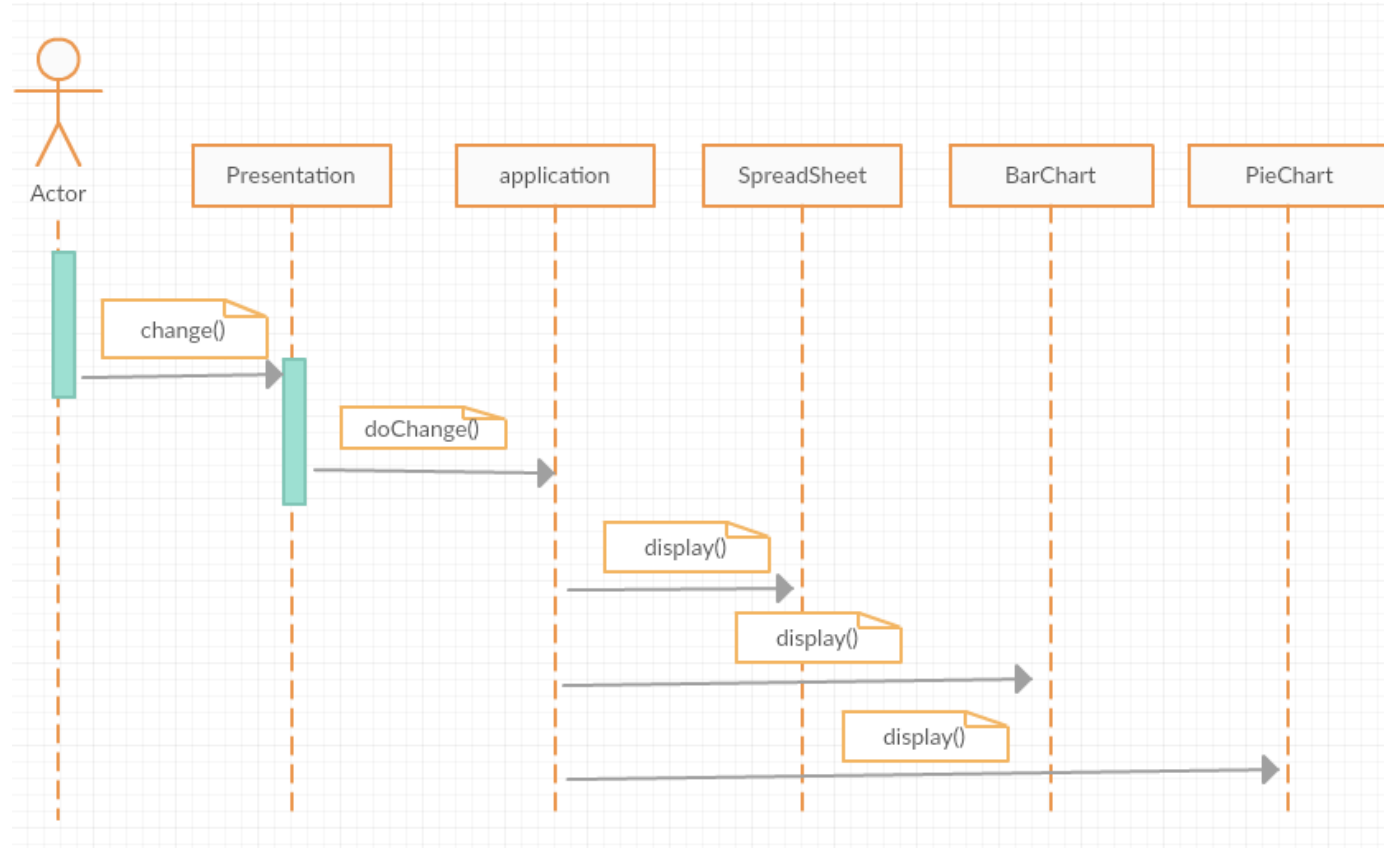


Spreadsheet Application₃

Both a spreadsheet object and bar chart object can depict information in the same application data object by using different presentations.



Spreadsheet Application - Sequence Diagram



Spreadsheet Application - Issues

- 1) Statement 1 and statement 3 are redundant. Although statement 3 neglects pie chart object, statement 1 already mentioned it, plus functions of pie chart object do not differ from the others as displayed on the figure.
- 2) Is the figure a requirement statement too?
- 3) Should each object display independently? Who determines it?

Pizza Store Statements₁

A small pizza shop called Momo's Pizza is going to develop a web site for their E-business. At the site to be developed, customers will be able to bring up the Web site, select the products they want to order, and select a delivery mechanism and time for delivery.

They can either eat their food at the restaurant, pick up the order, or have the order delivered. For example, a customer decides at 3:00 that he wants to order a pizza dinner (with salads, breadsticks, and drinks), to be delivered to his home at 6:30.

Let's say the customer is at work (on a break, of course). He gets on the Web and select the pizzas, including size, toppings, and crust; the salads, including dressings; breadsticks; and drinks.

Pizza Store Statements₂

He chooses the delivery option, and requests that the food be delivered to his home at 6:30. Then he pays for the order by credit card, gets a confirmation number, and exits.

Within a few minutes he gets an email confirmation as well. Accounts will be set up so that when people bring up the site, they will get a greeting reminding them of who they are, what their favorite pizza is, and what new pizzas have been created this week.

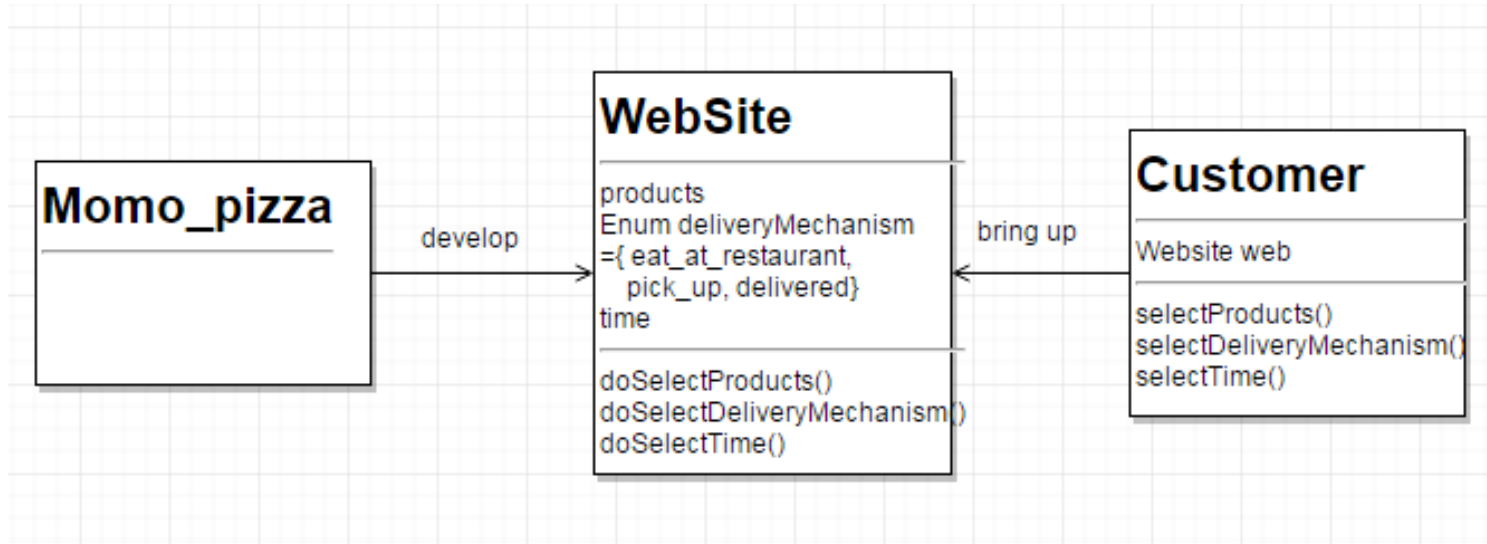
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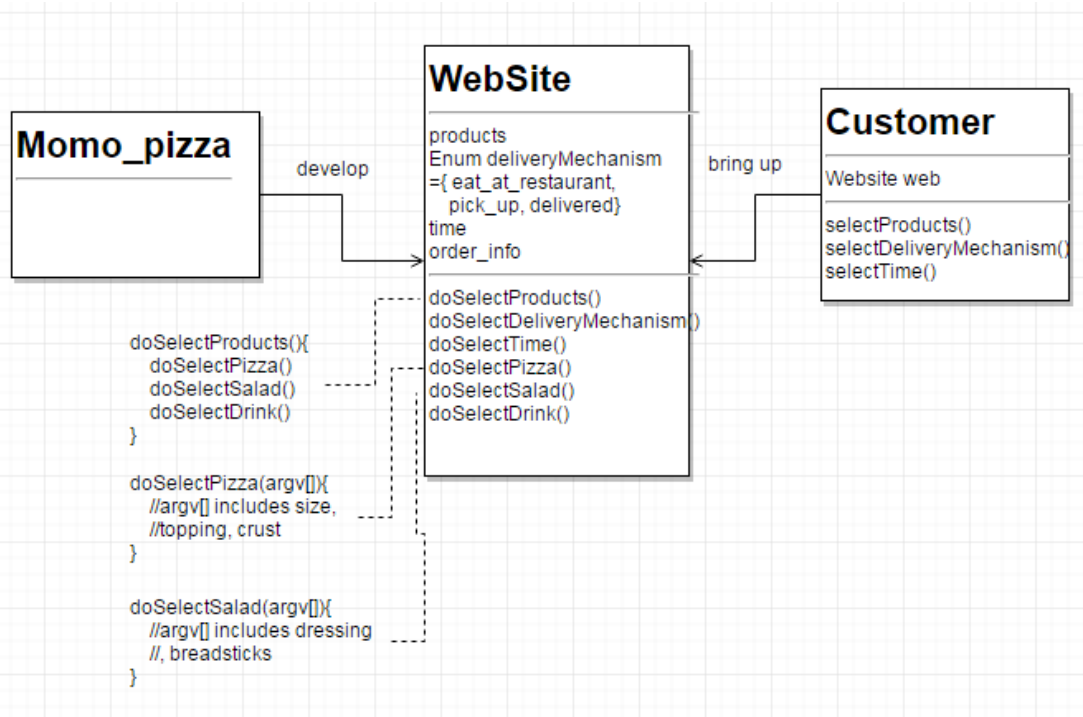
Pizza Store₂

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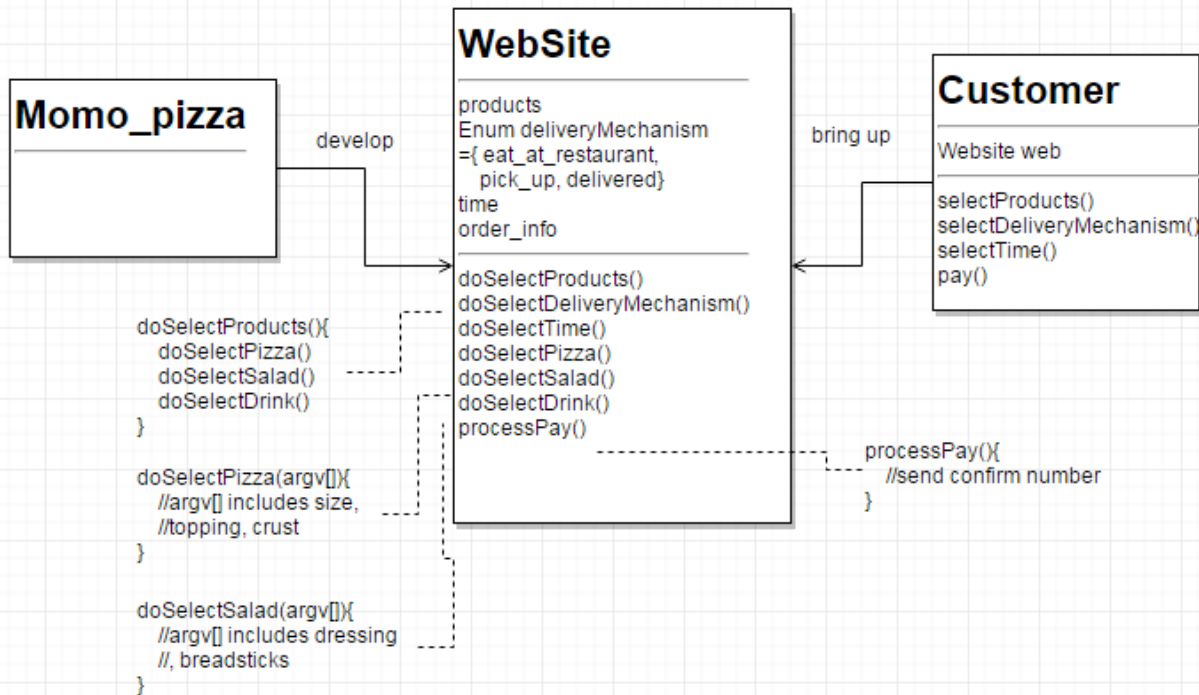
Pizza Store₃

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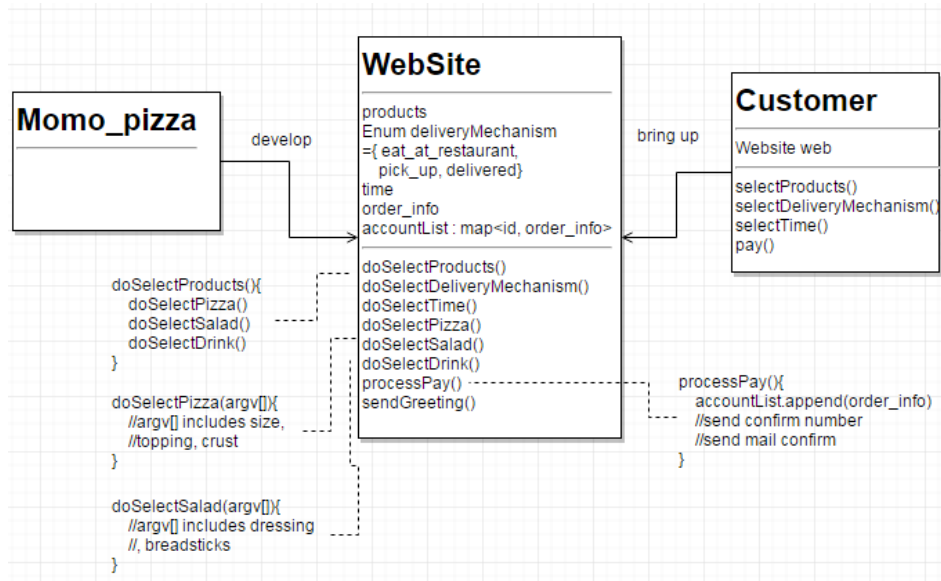
Pizza Store₄

He chooses the delivery option, and requests that the food be delivered to his home at 6:30. Then he pays for the order by credit card, gets a confirmation number, and exits.



Pizza Store₅

Within a few minutes he gets an email confirmation as well. Accounts will be set up so that when people bring up the site, they will get a greeting reminding them of who they are, what their favorite pizza is, and what new pizzas have been created this week.



Pizza Store - Sequence Diagram

